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SAS® Service Parts Optimization 4.3

Data Dictionary

SAS® Documentation

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CHAPTER 1

Descriptions of Solution Data Layer Tables

The following table provides descriptions of all the solution data layer (SDL) tables. The tables are listed in alphabetical order.

Table 1.1 Solution Data Layer Tables

No.	Name	Comment
1.	BACK_ORDER_SUMMARY	This table contains summarized back orders at the facility and item level. The time grain in this table is same as the grain in demand, inventory, and pipeline tables. The back order quantity in this table is the end of the period quantity.
2.	BOM	This table stores the bill of material (BOM) information, that is, details about the child items that are used to build a parent item. Only child items that can be separately sold in the market are stored. For example: ❑ Parent item: Motor bike ❑ Child items: Engine, piston, tires The BOM information is stored in the form of a relationship between the parent and child items.
3.	CUSTOMER	This table contains information about the purchaser of items or services. A customer can be an individual person or a corporate customer.
4.	CUSTOMER_ORDER	This table stores details of customer orders at the facility and item level. Major attributes that are stored in the table are customer order ID, order quantity, order date, and order's dispatch due date.
5.	DISPATCH	This table contains details of the items that are dispatched for a customer order. Attributes that are stored in the table are dispatch ID, order quantity, and order's dispatch due date.
6.	EMPLOYEE	This table contains information of all employees. The employee can be a materials requirement planning (MRP) controller who plans the inventory, one who manages the internal organization, or one who works for the internal organization.

No.	Name	Comment
7.	FACILITY	This table contains information about a facility, distribution center, or warehouse that stocks the items. The facility could be either an internal or an external organization. It has a specific geographical location.
8.	FACILITY_ITEM_DEMAND	This table contains summarized demand at a facility and item level. The default time grain is daily.
9.	FACILITY_ITEM_IND_VARIABLE	This table stores the independent variables at a facility and item level.
10.	FACILITY_ITEM_INVENTORY	This table contains information about the inventory of a facility. The information includes the total number of goods and materials at any given time.
11.	FACILITY_ITEM_X_NETWORK	This table contains information about the combination of a facility and item pair that is associated with a network model. Items are supplied from a source facility to a destination facility through the network model. Multiple network paths can exist between the source and destination facilities. One of the network paths is the primary path.
12.	FACILITY_X_ITEM	This table contains information about the items that a facility can store, distribute, or sell.
13.	FORECAST_GROUP	This table contains the definitions of all the forecast groups. The forecast groups define batch or interactive methods and the time bucket for weekly or monthly forecasting. Every forecast group that exists in this table must have at least one record.
14.	FORECAST_GROUP_ITEM_DETAIL	This table contains the definition of items that are associated with a facility and a forecast group.
15.	FORECAST_SUBGROUP	This table contains the definitions of all the subgroups of a forecast group.
16.	ITEM	This table stores information about all items that include finished goods, assemblies, subassemblies, and parts. Items can be supplied by either the suppliers or the manufacturing plant. All kinds (finished good, assembly, material) of items are sold in the market. The items can be directly supplied on demand from a manufacturing plant to the customer or through the customer's nearest distribution center. In case of any malfunctioning of items, the service provider provides the necessary services. The damaged items are repaired or replaced by comparing the repair cost with the new part cost.

No.	Name	Comment
17.	ITEM_CATEGORY	This table contains details about all item categories that can exist in a hierarchy. Each item is tied to one of the leaf node categories that are listed in this table. The table includes both child and parent members that are used in a traditional hierarchy. For example: ❑ Vehicle ❑ Two wheeler ❑ Four wheeler ❑ Diesel vehicle ❑ Petrol vehicle
18.	ITEM_PRICE	This table stores the price or cost history information for an item.
19.	ITEM_SUBSTITUTE	This table stores information about the item that is substituted for a particular item. The substituting item can be different for different network models. An item can be substituted only if the substituting item has the same properties as the item. Some conditions when item substitution is possible are as follows: ❑ production is stopped for the item ❑ unavailability of the item in the stock ❑ item demand is greater than item production
20.	ITEM_SUCCESSION	This table contains information about the item that is substituted for a particular item. The substituting item can be different for different network models. The properties of the substituting item must contain all the properties of the substituted item. For example, Microsoft Office 2003 can be substituted by Microsoft Office 2007.
21.	LOCATION	This table contains different types of geographical locations such as ZIP codes, postal codes, cities, trade areas, states, regions, and so on.
22.	LOOKUP_DETAIL	This table contains the lookup code details and its description.
23.	LOOKUP_MASTER	This table contains the master details of lookup codes.
24.	NETWORK_MODEL	This table contains information about the supply chain network model that guides the transporting items from a source facility to a destination facility. The network model contains network routes.
25.	NETWORK_X_ROUTE	This table contains information about the routes in the network model. This is a configuration table and is populated through scripts or manually.

No.	Name	Comment
26.	ORGANIZATION	This table stores a list of organizations with their hierarchy details.
27.	PIPELINE_INVENTORY	This table contains the summarized pipeline inventory for every facility and item pair. The default time grain is daily.
28.	PURCHASE_ORDER	This table contains details of the items that are purchased for a facility and a vendor. The following attributes are stored: ❑ purchase order ID ❑ order quantity ❑ order date ❑ order receipt due date
29.	RECEIPTS	This table contains the receipt details for the purchase orders. Attributes that are stored are received quantity, dispatch date, and receipt date.
30.	ROUTE	This table contains information about each route in the supply chain. A route can be defined as a physical link between a sender warehouse and a receiver warehouse.
31.	ROUTE_TYPE_REF	This tables stores information about the mode of transportation. The values that are stored indicate the type of route. For example: ❑ 1- Primary ❑ 2- Secondary ❑ 3- By Air ❑ 4- By Truck
32.	ROUTE_X_ITEM	This association table captures the pipeline cost amount and information related to lead time at the route item level.
33.	TIME_PERIOD	This table contains a list of time periods that are used to represent time as a hierarchy. The table includes information about both child and parent members that are used in the traditional hierarchy or dimension. For example, ALLYEARS, YR2002.
34.	TIME_PERIOD_ASSOC	This association table contains the parent and child relationship for day, week, month, quarter, and year. The TIME_PERIOD_ASSOC_TYPE_CD column is used to distinguish each unique hierarchy type.
35.	VENDOR	This table describes an organization that acts as a source for items. A vendor can be an internal or an external organization.
36.	VENDOR_FACILITY_ITEM	This table contains vendor details for the facility and item pair.

CHAPTER 2

Descriptions of Solution Data Layer Table Columns

The following table provides descriptions of all the columns in a particular solution data layer (SDL) table. The tables are listed in alphabetical order.

Table 2.1 BACK_ORDER_SUMMARY Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
BO_SUMMARY_QTY	NUMERIC(10)	This column stores the back order summary quantity.	No	No	NULL
BO_SUMMARY_RK	NUMERIC(10)	This column stores a retained surrogate key for the back order summary.	Yes	No	NOT NULL
BO_SUMMARY_TYPE_CD	CHARACTER(10)	This column contains the back order summary code that indicates whether the back order summary is for point of demand or for a destination facility. The possible values are as follows: ❑ POD - point of demand ❑ FAC - destination facility	No	No	NULL
CURRENCY_CD	CHARACTER(10)	This column stores a code that indicates the currency for the item price. For example: ❑ USD - US dollar ❑ INR - Indian rupees ❑ EUR - European dollar	No	No	NULL
CUSTOMER_RK	NUMERIC(10)	This column stores a retained surrogate key for a customer.	No	Yes	NULL
FACILITY_RK	NUMERIC(10)	This column stores a retained surrogate key for a facility.	No	Yes	NOT NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	No	Yes	NOT NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
QTY_UOM_CD	CHARACTER(10)	This column contains the unit of measurement code for quantity.	No	No	NULL
TIME_PERIOD_RK	NUMERIC(10)	This column stores a retained surrogate key for the time period.	No	No	NULL
TO_FACILITY_RK	NUMERIC(10)	This column stores a retained surrogate key for a facility.	No	Yes	NULL
UNIT_PRICE_AMT	NUMERIC(18,5)	This column stores the unit price amount.	No	No	NULL
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until when this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.2 BOM Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
BOM_LEVEL_NO	NUMERIC(6)	This column stores the BOM level number that indicates the BOM level in the BOM parent-child hierarchy.	No	No	NULL
BOM_TYPE_CD	CHARACTER(10)	This column stores the bill of material code that indicates the type of bill of material, such as service.	Yes	No	NOT NULL
BOM_VERSION	CHARACTER(32)	This column stores the version number of BOM.	Yes	No	NOT NULL
CHILD_ITEM_QTY	NUMERIC(10)	This column stores the quantity of child items that are attached with a particular BOM.	No	No	NULL
CHILD_ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for a child item.	Yes	Yes	NOT NULL
ITEM_QTY	NUMERIC(10)	This column stores the quantity of parent items that are attached for a particular BOM. By default, the quantity that is stored is 1.	No	No	NULL
PARENT_ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	Yes	Yes	NOT NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
QTY_UOM_CD	CHARACTER(10)	This column contains the unit of measurement code for quantity.	No	No	NULL
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until when this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.3 CUSTOMER Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
CUSTOMER_ID	CHARACTER(32)	This column contains the business identifier for a customer as supplied by the source system.	No	No	NOT NULL
CUSTOMER_RK	NUMERIC(10)	This column stores a retained surrogate key for a customer.	Yes	No	NOT NULL
CUSTOMER_TYPE_CD	CHARACTER(10)	This column stores a unique customer type code to identify and categorize all customer types. For example: ❑ IND - Individual ❑ COR - Corporate ❑ SPR - Service provider	No	No	NULL
FIRST_NM	CHARACTER(40)	This column contains the first name of the individual customer.	No	No	NULL
LAST_NM	CHARACTER(40)	This column contains the last name or surname of the customer.	No	No	NULL
MIDDLE_NM	CHARACTER(40)	This column contains the middle name of the customer.	No	No	NULL
ORG_RK	NUMERIC(10)	This column stores a retained surrogate key for an organization.	No	Yes	NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
SOURCE_SYSTEM_CD	CHARACTER(10)	This column contains an identifier for the source system from which the business key is supplied.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until when this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.4 CUSTOMER_ORDER Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
CURRENCY_CD	CHARACTER(10)	This column stores a code that indicates the currency for the item price. For example: ❑ USD - US dollar ❑ INR - Indian rupees ❑ EUR - European dollar	No	No	NULL
CUSTOMER_ORDER_DT	DATE	This column stores the customer order date.	No	No	NULL
CUSTOMER_ORDER_ID	CHARACTER(32)	This column stores the business key for the customer order.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
CUSTOMER_ORDER_QTY	NUMERIC(10)	This column contains the customer order quantity.	No	No	NULL
CUSTOMER_ORDER_RK	NUMERIC(10)	This column stores a retained surrogate key for a customer order.	Yes	No	NULL
CUSTOMER_RK	NUMERIC(10)	This column stores a retained surrogate key for a customer.	No	Yes	NULL
DELIVERY_DUE_DT	DATE	This column stores the delivery due date.	No	No	NULL
EXPRESS_ORDER_FLG	CHARACTER(1)	This column stores the express order flag.	No	No	NULL
FACILITY_RK	NUMERIC(10)	This column stores a retained surrogate key for a facility.	No	Yes	NULL
ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	Yes	Yes	NOT NULL
ORDER_TYPE_CD	CHARACTER(10)	This column stores a code that indicates the order type.	No	No	NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
QTY_UOM_CD	CHARACTER(10)	This column contains the unit of measurement code for quantity.	No	No	NULL
REGULAR_ORDER_FLG	CHARACTER(1)	This column stores a flag that indicates whether the order is a regular order or not.	No	No	NULL
TO_FACILITY_RK	NUMERIC(10)	This column stores a retained surrogate key for a facility.	No	Yes	NULL
TRANSSHIPMENT_ORDER_FLG	CHARACTER(1)	This column contains a flag that identifies the transshipment order.	No	No	NULL
UNIT_PRICE_AMT	NUMERIC(18,5)	This column stores the unit price amount.	No	No	NULL

Table 2.5 DISPATCH Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
CUSTOMER_ORDER_RK	NUMERIC(10)	This column stores a retained surrogate key for a customer order.	No	Yes	NULL
DISPATCH_DT	DATE	This column stores the dispatch date.	No	No	NULL
DISPATCH_ID	CHARACTER(32)	This column stores the business key for the dispatch.	No	No	NULL
DISPATCH_QTY	NUMERIC(10)	This column stores the dispatch quantity.	No	No	NULL
DISPATCH_RK	NUMERIC(10)	This column stores a retained surrogate key for a dispatch.	Yes	No	NOT NULL
ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	No	Yes	NOT NULL

Table 2.6 EMPLOYEE Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
EMPLOYEE_ID	CHARACTER(32)	This column stores the unique business identifier for an employee as supplied by the source system.	No	No	NULL
EMPLOYEE_RK	NUMERIC(10)	This column stores a retained surrogate key for an employee.	Yes	No	NOT NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
FIRST_NM	CHARACTER(40)	This column stores the first name of the employee.	No	No	NULL
LAST_NM	CHARACTER(40)	This column contains the last name or surname of the employee.	No	No	NULL
LOCATION_RK	NUMERIC(10)	This column stores a retained surrogate key for a location.	No	Yes	NULL
MIDDLE_NM	CHARACTER(40)	This column contains the middle name of the employee.	No	No	NULL
ORG_RK	NUMERIC(10)	This column stores a retained surrogate key for an organization.	No	Yes	NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
SALUTATION_TXT	CHARACTER(3)	This column contains text that indicates the salutation to be used for the customer. For example, Mr., Mrs., Miss., Jr., Dr.	No	No	NULL
SOURCE_SYSTEM_CD	CHARACTER(10)	This column contains an identifier for the source system from which the business key is supplied.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
TITLE_TXT	CHARACTER(50)	This column contains the title of the employee For example, Mr., Miss.	No	No	NULL
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until when this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.7 FACILITY Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
FACILITY_CLOSURE_DTTM	DATE	This column contains details of the date and time of closure of the facility.	No	No	NULL
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility.	No	No	NULL
FACILITY_NM	CHARACTER(40)	This column contains the name of the facility.	No	No	NULL
FACILITY_OPEN_DTTM	DATE	This column contains details of the date and time when the facility started.	No	No	NULL
FACILITY_RK	NUMERIC(10)	This column stores a retained surrogate key for a facility.	Yes	No	NOT NULL
FACILITY_TYPE_CD	CHARACTER(10)	This column stores a code that indicates the type code for the facility. For example: ❑ PDC - Part distribution center ❑ LDC - Local distribution center	No	No	NULL
LOCATION_RK	NUMERIC(10)	This column stores a retained surrogate key for a location.	No	Yes	NULL
ORG_RK	NUMERIC(10)	This column stores a retained surrogate key for an organization.	No	Yes	NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NOT NULL
SOURCE_SYSTEM_CD	CHARACTER(10)	This column contains an identifier for the source system from which the business key is supplied.	No	No	NULL
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is	Yes	No	NOT NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
		loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.			
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until when this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.8 FACILITY_ITEM_DEMAND Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
CURRENCY_CD	CHARACTER(10)	This column stores a code that indicates the currency for the item price. For example: ❑ USD - US dollar ❑ INR - Indian rupees ❑ EUR - European dollar	No	No	NULL
CUSTOMER_RK	NUMERIC(10)	This column stores a retained surrogate key for a customer.	No	Yes	NULL
DEMAND_TYPE_CD	CHARACTER(10)	This column stores the demand type code that indicates the type of demand. The possible values are: ❑ POD - from point of demand ❑ FAC - from facility	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
FACILITY_ITEM_DEMAND_RK	NUMERIC(10)	This column stores a retained surrogate key for the demand of a facility and item pair.	Yes	No	NOT NULL
FACILITY_RK	NUMERIC(10)	This column stores a retained surrogate key for a facility.	No	Yes	NOT NULL
ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	No	Yes	NOT NULL
ORDER_QTY	NUMERIC(10)	This column stores the demand order quantity for the demand period.	No	No	NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
QTY_UOM_CD	CHARACTER(10)	This column contains the unit of measurement code for the demand quantity.	No	No	NULL
TIME_PERIOD_RK	NUMERIC(10)	This column stores a retained surrogate key for the time period.	Yes	Yes	NOT NULL
TO_FACILITY_RK	NUMERIC(10)	This column stores a retained surrogate key for a facility.	No	Yes	NULL
UNIT_PRICE_AMT	NUMERIC(18,5)	This column stores the unit price amount.	No	No	NULL

Table 2.9 FACILITY_ITEM_IND_VARIABLE Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
FACILITY_RK	NUMERIC(10)	This column stores a retained surrogate key for a facility.	Yes	Yes	NOT NULL
IND_VAR<N>	NUMERIC(6)	This column stores the independent variable N, where N is a number from 1 to 10.	No	No	NULL
ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	Yes	Yes	NOT NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
START_DT	DATE	This column contains the start date in the given period.	No	No	NULL
TIME_PERIOD_RK	NUMERIC(10)	This column stores a retained surrogate key for the time period.	Yes	Yes	NOT NULL
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value	Yes	No	NOT NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
		for the time is not available, set it to 00:00:00:00.			
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until when this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.10 FACILITY_ITEM_INVENTORY Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
CLOSING_INVENTORY_QTY	NUMERIC(10)	This column stores the closing inventory quantity as reported by the source system.	No	No	NULL
CURRENCY_CD	CHARACTER(10)	This column stores a code that indicates the currency for the inventory unit amount. For example: ❑ USD - US dollar ❑ INR - Indian rupees ❑ EUR - European dollar	No	No	NULL
FACILITY_RK	NUMERIC(10)	This column stores a retained surrogate key for a facility.	Yes	Yes	NOT NULL
INVENTORY_UNIT_AMT	NUMERIC(18,5)	This column stores the per unit value of inventory as reported by the source system (transactional database). This amount can be	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
		either the cost or the market value.			
ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	Yes	Yes	NOT NULL
OPENING_INVENTORY_QTY	NUMERIC(10)	This column contains the opening inventory quantity as reported by the source system (transactional database) for the given status such as broken, available, and so on.	No	No	NOT NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
QTY_UOM_CD	CHARACTER(10)	This column contains the unit of measurement code for the item quantity. For example: ❑ EA - Each item ❑ SET - Set of items	No	No	NULL
TIME_PERIOD_RK	NUMERIC(10)	This column stores a retained surrogate key for the time period.	Yes	Yes	NOT NULL
TOTAL_ORDERED_QTY	NUMERIC(10)	This column contains the total items that are ordered during the reported period, that is, the period between two inventory inspection dates. For repairable parts, this column stores repairable parts that are sent to a repair center for repair.	No	No	NULL
TOTAL_RECEIVED_QTY	NUMERIC(10)	This column contains the total items that are received during the reported period, that is, the period between two inventory inspection dates. For repairable parts, this column stores parts that are received after repairs.	No	No	NULL

Table 2.11 FACILITY_ITEM_X_NETWORK Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
EFFECTIVE_FROM_DTTM	DATE	This column contains the date and time from when the association between the facility and item pair and the network is effective.	No	No	NULL
EFFECTIVE_TO_DTTM	DATE	This column contains the date and time until when the association between the facility and item pair and the network is effective.	No	No	NULL
FACILITY_ITEM_NETWORK_VALID_FLG	CHARACTER(1)	This column stores a flag that indicates whether the association of the facility and item pair and network is valid.	No	No	NULL
FACILITY_RK	NUMERIC(10)	This column stores a retained surrogate key for a facility.	Yes	Yes	NOT NULL
ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	Yes	Yes	NOT NULL
NETWORK_MODEL_RK	NUMERIC(10)	This column stores a retained surrogate key for a network model.	Yes	Yes	NOT NULL
PRIMARY_NETWORK_FLG	CHARACTER(1)	This column contains a flag that indicates whether the network path is a primary path or not. The possible values are: ❑ Y - Primary network ❑ N - Not a primary network	No	No	NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until when this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.12 FACILITY_X_ITEM Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
BATCH_SIZE_QTY	NUMERIC(10)	This column stores the batch size quantity that is the fixed order size constraint for each facility and item pair. This quantity is needed as an input by the PROC MIRP. Orders are placed in multiples of batch size.	No	No	NULL
CURRENCY_CD	CHARACTER(10)	This column stores a code that indicates the currency for the item price. For example: ❑ USD - US dollar ❑ INR - Indian rupees ❑ EUR - European dollar	No	No	NULL
EFFECTIVE_FROM_DTTM	DATE	This column contains the date and time from when the association between the part and the facility is effective.	No	No	NULL
EFFECTIVE_TO_DTTM	DATE	This column contains the date and time until when the association between the part and the facility is effective.	No	No	NULL
FACILITY_ITEM_VALID_FLG	CHARACTER(1)	This column contains a flag that indicates whether the facility and item pair is valid. The possible values are Y and N.	No	No	NULL
FACILITY_RK	NUMERIC(10)	This column stores a retained surrogate key for a facility.	Yes	Yes	NOT NULL
HOLDING_COST_PCT	NUMERIC(9,4)	This column stores the holding cost percentage. The cost is calculated as per unit holding cost of an item and is expressed as the percentage of an item cost, if the item is kept for a year.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
INTERNAL_EXTERNAL_NODE_FLG	CHARACTER(1)	This column contains the internal external node flag that indicates whether the node supplies demand directly to the end-customers, internal facilities, or both. The possible values are: ❑ I - Internal ❑ E - End Customer ❑ B - Both	No	No	NULL
ITEM_QTY_UOM_CD	CHARACTER(10)	This column stores a code that indicates the unit of measurement for the item. For example: ❑ EA - Each item ❑ SET - Set of items	No	No	NULL
ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	Yes	Yes	NOT NULL
KITTING_POINT_FLG	CHARACTER(1)	This column contains a kitting point flag that indicates whether the item bundle is bundled at this facility or not.	No	No	NULL
MAX_ORDER_QTY	NUMERIC(6)	This column stores the maximum order quantity.	No	No	NULL
MAX_STOCK_QTY	NUMERIC(10)	This column stores the maximum number of items that a facility can stock.	No	No	NULL
MIN_ORDER_QTY	NUMERIC(6)	This column contains the minimum order quantity.	No	No	NULL
MRP_CONTROLLER_RK	NUMERIC(10)	This column stores a retained surrogate key for an employee.	No	Yes	NULL
NEXT_REPLENISH_NO	NUMERIC(6)	This column contains the number of periods after which the first replenishment order can be placed for each facility and item pair.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
ORDERING_COST_AMT	NUMERIC(18,5)	This column stores the ordering cost for the item at a facility as supplied by the source system.	No	No	NULL
PBR_NO	NUMERIC(6)	This column contains the periods before replenishment (PBR) number. This number is needed by the PROC MIRP.	No	No	NULL
PENALTY_COST_PCT	NUMERIC(9,4)	This column stores the penalty cost percentage for delayed supply of one unit item at the particular facility, for the base period. This cost is supplied by the source system.	No	No	NULL
POLICY_TYPE_CD	CHARACTER(10)	This column contains a code that indicates the policy type for the facility and item pair. For example: ❑ SS – Min-max policy ❑ BS - Base stock policy	No	No	NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
RE_ORDER_POINT_QTY	NUMERIC(10)	This column contains the item quantity to be reordered when the safety stock quantity is reached.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
SAFETY_STOCK_QTY	NUMERIC(10)	This column contains the safety threshold for item quantity. On reaching this quantity threshold, the item must be reordered from the facility. This is the output of PROC MIRP.	No	No	NULL
SERVICE_LEVEL_PCT	NUMERIC(9,4)	This column contains the service level in percentage as supplied by the source system and used by the PROC MIRP.	No	No	NULL
SKU_CD	CHARACTER(10)	This column contains a code for the stock keeping unit (SKU) that is supplied by the source system. As per aspic standards, SKU is identified by facility and item pair.	No	No	NULL
STOCK_PROFILE_CD	CHARACTER(10)	This column contains a code that indicates the stock profile. The ETL scripts update the appropriate stock profile code for the inventory optimization process based on item properties. The implementation team modifies the supplied ETL job according to customer needs.	No	No	NULL
STOCK_PROFILE_CLASS_NM	CHARACTER(40)	This column contains the stock profile class name that indicates the stock profile class value, namely A, B, or C. The name can be specified by the source system or as a result of the stock profiling that is done by the system.	No	No	NULL
STOCK_PROFILE_RANK_NO	NUMERIC(6)	This column contains the stock profile rank number that indicates the item rank within a stock profile. The number can be specified by the source system or as a result of the stock profiling that is done by the system.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
USE_REPAIRED_ITEM_FLG	CHARACTER(1)	This column contains a flag that indicates whether the repaired item is used or not.	No	No	NULL
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL
WAIT_TM_NO	NUMERIC(6)	This column contains the wait time number for transporting an item to a facility. This number is supplied by the source system and expressed as a multiple of base period used for inventory planning.	No	No	NULL

Table 2.13 FORECAST_GROUP Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
ADJUST_FCST_FLG	CHARACTER(1)	This column stores a flag that indicates whether the forecast is adjusted for the deviation. The possible values are: 1 indicates adjusted and 0 indicates not adjusted.	No	No	NULL
BASS_MODEL_HIST_PERIOD	NUMERIC(10)	This column stores the minimum number of history periods that are required for fitting the Bass model.	No	No	NULL
EFFECTIVE_FROM_DTTM	DATE	This column stores the date and time from when the forecast group is effective.	No	No	NULL
EFFECTIVE_TO_DTTM	DATE	This column stores the date and time until the forecast group is effective.	No	No	NULL
FCST_SERIES_DISP_NO	NUMERIC(6)	This column contains the serial number for the forecast values.	No	No	NULL
FCST_SERIES_NO	NUMERIC(6)	This column stores the number of forecast series that are stored in the database.	No	No	NULL
FORECAST_GROUP_CD	CHARACTER(10)	This column stores a unique key for a forecast group. The key is defined by the implementation team. The value in this column must be equal to the value in the ITEM_GROUP_CD column of the ITEM table.	Yes	No	NOT NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
FORECAST_HORIZON_NO	NUMERIC(6)	This column stores the forecast horizon number, which is the parameter that specifies the number of periods for which forecasting is to be done.	No	No	NULL
GROUP_DESC	CHARACTER(255)	This column stores a brief description of the group.	No	No	NULL
GROUP_NM	CHARACTER(40)	This column stores the name of the group.	No	No	NULL
LANGUAGE_CD	CHARACTER(10)	This column contains a code that identifies the language that is used in the description field of the table. For example, ENG - English.	Yes	No	NOT NULL
MAX_CLUSTERS_NO	NUMERIC(6)	This column stores the maximum number of clusters to be created.	No	No	NULL
OUTLIER_COEFFICIENT_NO	NUMERIC(10,2)	This column stores the coefficient for detecting outliers.	No	No	NULL
OUTLIER_MAVG_PERIOD	NUMERIC(10)	This column stores the moving average period for detecting outliers.	No	No	NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
TIME_HIERARCHY_LEVEL_DESC	CHARACTER(255)	This column contains the time hierarchy level description as specified in the TIME_PERIOD_ASSOC table. The description defines the time period hierarchy level at which forecasting is to be done.	No	No	NULL
TIME_HIERARCHY_LEVEL_NO	NUMERIC(6)	This column contains the time hierarchy level number as specified in the TIME_PERIOD_ASSOC table. The level number defines time period hierarchy level at which forecasting is to be done.	No	No	NULL
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.14 FORECAST_GROUP_ITEM_DETAIL Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
FACILITY_RK	NUMERIC(10)	This column stores a retained surrogate key for a facility.	Yes	Yes	NOT NULL
FORECAST_GROUP_CD	CHARACTER(10)	This column stores a unique key for a forecast group. The key is defined by the implementation team.	Yes	Yes	NOT NULL
FORECAST_SUBGROUP_CD	CHARACTER(10)	This column stores a unique key for a forecast subgroup.	Yes	Yes	NOT NULL
ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	Yes	Yes	NOT NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.15 FORECAST_SUBGROUP Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
DESCRIPTION	CHARACTER(255)	This column stores the description of the forecast subgroup.	No	No	NULL
FORECAST_SUBGROUP_CD	CHARACTER(10)	This column stores a unique key for a forecast subgroup.	No	No	NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.16 ITEM Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
ASSEMBLY_FLG	CHARACTER(1)	This column stores the assembly indicator flag that indicates whether the item is an assembly or not. The possible values are: ❑ Y - Assembly item ❑ N - Not assembly item	No	No	NULL
BRAND_NM	CHARACTER(40)	This column stores the brand name.	No	No	NULL
CRITICAL_ITEM_FLG	CHARACTER(1)	This column stores the critical item flag that indicates whether the item is critical or not. The possible values are: ❑ Y - Critical ❑ N - Non-critical	No	No	NULL
EAN_CD	CHARACTER(10)	This column stores the European Article Number (EAN) code that uniquely identifies items by the EAN standards.	No	No	NULL
EPC_CD	CHARACTER(10)	This column stores the universal product code for the item.	No	No	NULL
FINISHED_GOOD_FLG	CHARACTER(1)	This column stores a flag that indicates whether the item is a finished good or not. The possible values are: ❑ Y - Finished good ❑ N - Not a finished good	No	No	NULL
ITEM_BUNDLE_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item is a bundle or not.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
ITEM_CATEGORY_RK	NUMERIC(10)	This column stores a retained surrogate key for an item category.	No	Yes	NULL
ITEM_DESC	CHARACTER(255)	This column contains the long name that is used to describe the item.	No	No	NULL
ITEM_GROUP_CD	CHARACTER(10)	This column contains a code that identifies the item group.	No	No	NULL
ITEM_ID	CHARACTER(32)	This column contains a unique business identifier for the item.	No	No	NULL
ITEM_NM	CHARACTER(40)	This column contains the name of the item.	No	No	NULL
ITEM_PACK_TYPE_CD	CHARACTER(10)	This column contains a code that indicates the type of item packaging. For example: ❑ STD - Standard pack ❑ SPL - Special pack ❑ CMB - Combo pack ❑ PRM - Promotion pack	No	No	NULL
ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	Yes	No	NOT NULL
ITEM_STATUS_CD	CHARACTER(10)	This column stores a code that indicates the current status of the item. For example: ❑ A - Active ❑ I - Inactive ❑ D - Deleted	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
ITEM_TYPE_CD	CHARACTER(10)	This column stores a code that indicates the type of item. This code is an alternate way of grouping items. For example: ❑ NEW - New ❑ REF - Refurbished	No	No	NULL
MAKE_OR_BUY_CD	CHARACTER(10)	This column contains a code that indicates whether the item is manufactured internally or bought from an external vendor. For example: MAK - Make items BUY - Bought items	No	No	NULL
MATERIAL_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item is a material (part) or not. The possible values are: ❑ Y - Material or part ❑ N - Not a material or part	No	No	NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
QTY_UOM_CD	CHARACTER(10)	This column contains the unit of measurement code for the quantity. For example: ❑ EA - Each item ❑ SET - Set of items	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
REPAIRED_ITEM_FLG	CHARACTER(1)	This column stores a flag that indicates whether the item is repaired or not.	No	No	NULL
REPAIRED_ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	No	Yes	NULL
SALE_ITEM_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item is only a sale item or not.	No	No	NULL
SALES_DISCONTINUED_DT	DATE	This column contains the date when the item sale was discontinued. If the item sale was never discontinued, the value is NULL.	No	No	NULL
SALES_INTRODUCTION_DT	DATE	This column contains the date when the item sale was introduced. If the item sale was never introduced, the value is NULL.	No	No	NULL
SOURCE_SYSTEM_CD	CHARACTER(10)	This column contains an identifier for the source system from which the business key is supplied.	No	No	NULL
UNSPSC_CD	CHARACTER(10)	This column contains the United Nations Standard Products And Services Code (UNSPSC) that uniquely identifies items by the UNSPSC standards.	No	No	NULL
UPC_CD	CHARACTER(10)	This column contains the Universal Product Code (UPC) that uniquely identifies an item by the UPC standards.	No	No	NULL
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.17 ITEM_CATEGORY Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
ITEM_CATEGORY_CD	CHARACTER(10)	This column stores a unique business identifier for the item category. For example: ❑ BREAK - Car ❑ ENGINE - Various models of car	No	No	NULL
ITEM_CATEGORY_DESC	CHARACTER(255)	This column contains a long name that is used to describe the item category.	No	No	NULL
ITEM_CATEGORY_LEV<N>_NM	CHARACTER(40)	This column stores the item category level N name, where N is a number from 1 to 10.	No	No	NULL
ITEM_CATEGORY_LEV<N>_RK	NUMERIC(10)	This column stores a retained surrogate key for an item category at level N, where N is a number from 1 to 10. This key must be unique across all levels of hierarchy of all item categories.	No	No	NULL
ITEM_CATEGORY_NM	CHARACTER(40)	This column stores the name of the item category.	No	No	NULL
ITEM_CATEGORY_RK	NUMERIC(10)	This column stores a retained surrogate key for an item category.	Yes	No	NOT NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
SOURCE_SYSTEM_CD	CHARACTER(10)	This column contains an identifier for the source system from which the business key is supplied.	No	No	NULL
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.18 ITEM_PRICE Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
CURRENCY_CD	CHARACTER(10)	This column stores a code that indicates the currency for the item price. For example: ❑ USD - US dollar ❑ INR - Indian rupees ❑ EUR - European dollar	No	No	NULL
EFFECTIVE_DTTM	DATE	This column contains details of the date and time from when the price is effective.	No	No	NULL
EXPIRATION_DTTM	DATE	This column stores details of the date and time from when the price ceases to be effective.	No	No	NULL
ITEM_PRICE_AMT	NUMERIC(18,5)	This column contains the current price per sale unit of the item. This amount is used as the basis for deriving the price at the point of sale.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
ITEM_PRICE_RK	NUMERIC(10)	This column stores a retained surrogate key for an item price.	Yes	No	NOT NULL
ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	No	Yes	NOT NULL
PRICE_TYPE_CD	CHARACTER(10)	This column stores a code that indicates the type of item price. For example: ❑ MAV - Moving average ❑ STD - Standard ❑ DIS - Discounted	No	No	NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.19 ITEM_SUBSTITUTE Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
EFFECTIVE_FROM_DTTM	DATE	This column stores the date and time from when the substituting item is effective.	No	No	NULL
EFFECTIVE_TO_DTTM	DATE	This column stores the date and time until the substituting item is effective.	No	No	NULL
ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	Yes	Yes	NOT NULL
ITEM_SUBSTITUTE_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	Yes	Yes	NOT NULL
NETWORK_MODEL_RK	NUMERIC(10)	This column stores a retained surrogate key for a network model.	Yes	Yes	NOT NULL
PRIORITY_LEVEL_NO	NUMERIC(6)	This column contains the priority level number for a substituting item. The number is useful when a substituting item is to be selected from multiple substitutes, and when a priority exists for each substituting item.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.20 ITEM_SUCCESSION Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
EFFECTIVE_FROM_DTTM	DATE	This column stores the date and time from when the superseded item is effective.	No	No	NULL
EFFECTIVE_TO_DTTM	DATE	This column stores the date and time until the superseded item is effective.	No	No	NULL
INVENTORY_EXISTS_FLG	CHARACTER(1)	This column contains a flag that indicates whether an inventory exists for the item or not.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	Yes	Yes	NOT NULL
NETWORK_MODEL_RK	NUMERIC(10)	This column stores a retained surrogate key for a network model.	Yes	Yes	NOT NULL
NEXT_ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	No	Yes	NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.21 LOCATION Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
LOCATION_DESC	CHARACTER(255)	This column stores the long name that describes the location.	No	No	NULL
LOCATION_ID	CHARACTER(32)	This column stores the business identifier for a unique location.	No	No	NULL
LOCATION_LEV1_NM	CHARACTER(40)	This column contains the name for the location level 1.	No	No	NULL
LOCATION_LEV1_RK	NUMERIC(10)	This column stores a retained surrogate key for a location at level 1.	No	No	NULL
LOCATION_LEV2_NM	CHARACTER(40)	This column contains the name for the location level 2.	No	No	NULL
LOCATION_LEV2_RK	NUMERIC(10)	This column stores a retained surrogate key for a location at level 2.	No	No	NULL
LOCATION_LEV3_NM	CHARACTER(40)	This column contains the name for the location level 3.	No	No	NULL
LOCATION_LEV3_RK	NUMERIC(10)	This column stores a retained surrogate key for a location at level 3.	No	No	NULL
LOCATION_LEV4_NM	CHARACTER(40)	This column contains the name for the location level 4.	No	No	NULL
LOCATION_LEV4_RK	NUMERIC(10)	This column stores a retained surrogate key for a location at level 4.	No	No	NULL
LOCATION_LEV5_NM	CHARACTER(40)	This column stores the name for the location level 5.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
LOCATION_LEV5_RK	NUMERIC(10)	This column stores a retained surrogate key for a location at level 5.	No	No	NULL
LOCATION_NM	CHARACTER(40)	This column stores the name for the location.	No	No	NULL
LOCATION_RK	NUMERIC(10)	This column stores a retained surrogate key for a location.	Yes	No	NOT NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
SOURCE_SYSTEM_CD	CHARACTER(10)	This column contains an identifier for the source system from which the business key is supplied.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.22 LOOKUP_DETAIL Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
CODE_DESC	CHARACTER(255)	This column contains a description for the code.	No	No	NULL
CODE_VALUE	CHARACTER(3)	This column stores the lookup detail description.	Yes	No	NOT NULL
COLUMN_NAME	CHARACTER(50)	This column stores the lookup master details.	Yes	Yes	NOT NULL
LANGUAGE_CD	CHARACTER(3)	This column contains a code that identifies the language that is used in the description field of the table. For example, ENG - English.	Yes	No	NOT NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
TABLE_NAME	CHARACTER(50)	This column contains the lookup detail table name.	Yes	No	NOT NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.23 LOOKUP_MASTER Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
COLUMN_NAME	CHARACTER(50)	This column stores the language.	Yes	No	NOT NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
TABLE_NAME	CHARACTER(50)	This column contains the lookup master table name.	Yes	No	NOT NULL

Table 2.24 NETWORK_MODEL Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
BASE_PERIOD_FLG	CHARACTER(1)	This column stores the base period flag that indicates the base period for the model. The possible values are: M - Month Q - Quarter Y - Year	No	No	NULL
IRP_HORIZON_NO	NUMERIC(6)	This column contains a parameter value that specifies the number of base periods for which the inventory policy parameters are to be computed.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
NETWORK_CLOSE_DTTM	DATE	This column contains the end date and time for the network model.	No	No	NULL
NETWORK_MODEL_NM	CHARACTER(40)	This column contains a name for the network model.	No	No	NULL
NETWORK_MODEL_RK	NUMERIC(10)	This column stores a retained surrogate key for a network model.	Yes	No	NOT NULL
NETWORK_START_DTTM	DATE	This column contains the start date and time for the network model.	No	No	NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NOT NULL
SOURCE_SYSTEM_CD	CHARACTER(10)	This column contains an identifier for the source system from which the business key is supplied.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.25 NETWORK_X_ROUTE Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
NETWORK_MODEL_RK	NUMERIC(10)	This column stores a retained surrogate key for a network model.	Yes	Yes	NOT NULL
PRIMARY_ROUTE_FLG	CHARACTER(1)	This column contains a flag that indicates whether the route is primary and can be considered for the MIRP process.	No	No	NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
ROUTE_RK	NUMERIC(10)	This column stores a retained surrogate key for a route.	Yes	Yes	NOT NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
TRANSPORT_LEG_FLG	CHARACTER(1)	This column contains a flag that indicates whether the route is supplying items to the leaf node facility or not. For example: ❑ L - Supplies to leaf node facility ❑ Null- Not a leaf node	No	No	NULL
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.26 ORGANIZATION Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
INTERNAL_EXTERNAL_ORG_FLG	CHARACTER(1)	This column contains the internal external organization flag that indicates whether the organization is internal or external.	No	No	NOT NULL
LOCATION_RK	NUMERIC(10)	This column stores a retained surrogate key for a location.	No	Yes	NULL
MANAGING_EMPLOYEE_RK	NUMERIC(10)	This column stores a retained surrogate key for an employee.	No	Yes	NULL
ORG_DESC	CHARACTER(255)	This column contains a description for the internal organization.	No	No	NULL
ORG_ID	CHARACTER(32)	This column contains a business key for the organization.	No	No	NULL
ORG_LEV1_NM	CHARACTER(40)	This column contains the name of the organization level 1.	No	No	NULL
ORG_LEV1_RK	NUMERIC(10)	This column stores the retained surrogate key for an organization at level 1.	No	No	NULL
ORG_LEV2_NM	CHARACTER(40)	This column contains the name of the organization level 2.	No	No	NULL
ORG_LEV2_RK	NUMERIC(10)	This column stores the retained surrogate key for an organization at level 2.	No	No	NULL
ORG_LEV3_NM	CHARACTER(40)	This column contains the name of the organization level 3.	No	No	NULL
ORG_LEV3_RK	NUMERIC(10)	This column stores the retained surrogate key for an organization at level 3.	No	No	NULL
ORG_LEV4_NM	CHARACTER(40)	This column contains the name of the organization level 4.	No	No	NULL
ORG_LEV4_RK	NUMERIC(10)	This column stores the retained surrogate key for an organization at level 4.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
ORG_LEV5_NM	CHARACTER(40)	This column contains the name of the organization level 5.	No	No	NULL
ORG_LEV5_RK	NUMERIC(10)	This column stores the retained surrogate key for an organization at level 5.	No	No	NULL
ORG_NM	CHARACTER(40)	This column contains a short name that describes the external organization.	No	No	NOT NULL
ORG_RK	NUMERIC(10)	This column stores a retained surrogate key for an organization.	Yes	No	NOT NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.27 PIPELINE_INVENTORY Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
CURRENCY_CD	CHARACTER(10)	This column stores a code that indicates the currency for the inventory unit amount. For example: ❑ USD - US dollar ❑ INR - Indian rupees ❑ EUR - European dollar	No	No	NULL
FACILITY_RK	NUMERIC(10)	This column stores a retained surrogate key for a facility.	No	Yes	NULL
FROM_FACILITY_RK	NUMERIC(10)	This column stores a retained surrogate key for a facility.	No	Yes	NULL
INVENTORY_UNIT_AMT	NUMERIC(18,5)	This column stores the per unit value of inventory as reported by the source system (transactional database). This amount can be either the cost or the market value.	No	No	NULL
ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	No	Yes	NULL
PIPE_LINE_QTY	NUMERIC(10)	This column contains the number of items in the pipeline inventory.	No	No	NULL
PIPELINE_INVENTORY_RK	NUMERIC(10)	This column stores a retained surrogate key for the pipeline inventory.	Yes	No	NOT NULL
PIPELINE_TYPE_CD	CHARACTER(10)	This column contains a code that indicates the type of pipeline source. For example: ❑ PO - Pipeline due to purchase order ❑ STO - Stock transfer order	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
QTY_UOM_CD	CHARACTER(10)	This column contains the unit of measurement code for the pipeline quantity. For example: ❑ EA - Each item ❑ SET - Set of items	No	No	NULL
TIME_PERIOD_RK	NUMERIC(10)	This column stores a retained surrogate key for the time period.	Yes	No	NOT NULL
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL
VENDOR_RK	NUMERIC(10)	This column stores a retained surrogate key for a vendor.	No	Yes	NULL

Table 2.28 PURCHASE_ORDER Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
CURRENCY_CD	CHARACTER(10)	This column stores a code that indicates the currency for the inventory unit amount. For example: ❑ USD - US dollar ❑ INR - Indian rupees ❑ EUR - European dollar	No	No	NULL
EXPRESS_ORDER_FLG	CHARACTER(1)	This column stores the express order flag.	No	No	NULL
FACILITY_RK	NUMERIC(10)	This column stores a retained surrogate key for a facility.	No	Yes	NULL
FROM_FACILITY_RK	NUMERIC(10)	This column stores a retained surrogate key for a facility.	No	Yes	NULL
ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	Yes	Yes	NOT NULL
ORDER_TYPE_CD	CHARACTER(10)	This column stores a code that indicates the order type.	No	No	NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
PURCHASE_ORDER_DT	DATE	This column contains the purchase order date.	No	No	NULL
PURCHASE_ORDER_ID	CHARACTER(32)	This column contains the business key for the purchase order.	No	No	NULL
PURCHASE_ORDER_QTY	NUMERIC(10)	This column contains the quantity of purchase order.	No	No	NULL
PURCHASE_ORDER_RK	NUMERIC(10)	This column stores a retained surrogate key for a purchase order.	Yes	No	NOT NULL
QTY_UOM_CD	CHARACTER(10)	This column contains the unit of measurement code for quantity.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
RECEIPT_DUE_DT	DATE	This column contains the receipt due date.	No	No	NULL
REGULAR_ORDER_FLG	CHARACTER(1)	This column stores a flag that indicates whether the order is a regular order or not.	No	No	NULL
TRANSSHIPMENT_ORDER_FLG	CHARACTER(1)	This column contains a flag that identifies the transshipment order.	No	No	NULL
UNIT_PRICE_AMT	NUMERIC(18,5)	This column stores the unit price amount.	No	No	NULL
VENDOR_RK	NUMERIC(10)	This column stores a retained surrogate key for a vendor.	No	Yes	NULL

Table 2.29 RECEIPTS Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
DISPATCH_DT	DATE	This column stores the dispatch date.	No	No	NULL
ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	Yes	Yes	NOT NULL
PURCHASE_ORDER_RK	NUMERIC(10)	This column stores a retained surrogate key for a purchase order.	No	Yes	NULL
RECEIPT_DT	DATE	This column contains the receipt date.	No	No	NULL
RECEIPT_RK	NUMERIC(10)	This column stores a retained surrogate key for a receipt.	Yes	No	NULL
RECEIVED_QTY	NUMERIC(10)	This column contains the received quantity.	No	No	NULL

Table 2.30 ROUTE Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
DELIVERED_TO_FACILITY_RK	NUMERIC(10)	This column stores a retained surrogate key for a facility.	No	Yes	NOT NULL
DISTANCE_QTY	NUMERIC(10,2)	This column contains the distance between the source facility and the destination facility.	No	No	NULL
DISTANCE_UOM_CD	CHARACTER(10)	This column stores a code that indicates the unit of measure for distance. For example: ❑ KM - Kilometer ❑ MIL - Miles	No	No	NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
ROUTE_RK	NUMERIC(10)	This column stores a retained surrogate key for a route.	Yes	No	NOT NULL
ROUTE_TYPE_NO	NUMERIC(6)	This column stores the route type number.	No	Yes	NULL
SHIPPED_FROM_FACILITY_RK	NUMERIC(10)	This column stores a retained surrogate key for a facility.	No	Yes	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.31 ROUTE_TYPE_REF Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
LANGUAGE_CD	CHARACTER(10)	This column contains a code that identifies the language that is used in the description field of the table. For example, ENG - English.	Yes	No	NULL
ROUTE_TYPE_DESC	CHARACTER(255)	This column stores a description of the type of route. For example: ❑ 1 - Primary ❑ 2 - Secondary ❑ 3 - By Air ❑ 4 - By Truck	No	No	NULL
ROUTE_TYPE_NO	NUMERIC(6)	This column stores the route type number.	Yes	No	NULL
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.32 ROUTE_X_ITEM Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
CURRENCY_CD	CHARACTER(10)	This column stores a code that indicates the currency for the pipeline cost. For example: ❑ USD - US dollar ❑ INR - Indian rupees ❑ EUR - European dollar	No	No	NULL
HOLD_COST_TRANS_RT	NUMERIC(9,4)	This column stores the holding cost during transition ratio. The cost can be calculated as the weighted average of holding costs from the shipping node and the receiving node.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	Yes	Yes	NOT NULL
LEAD_TM_MAX_NO	NUMERIC(6)	This column contains the maximum lead time (in days) for transporting an item to a facility. This number is supplied by the source system and used for inventory planning. It is optional to populate this field.	No	No	NULL
LEAD_TM_MIN_NO	NUMERIC(6)	This column contains the minimum lead time (in days) for transporting an item to a facility. This number is supplied by the source system and used for inventory planning. It is optional to populate this field.	No	No	NULL
LEAD_TM_NO	NUMERIC(6)	This column contains the lead time (in days) that is needed for transporting an item to a facility. This number is supplied by the source system and used for inventory planning.	No	No	NULL
PIPELINE_COST_AMT	NUMERIC(18,5)	This column contains the transportation cost of one item in transit from the supplying facility to the receiving facility in one base period.	No	No	NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
ROUTE_ITEM_VALID_FLG	CHARACTER(1)	This column contains a flag that indicates whether the route item is valid or not.	No	No	NULL
ROUTE_RK	NUMERIC(10)	This column stores a retained surrogate key for a route.	Yes	Yes	NOT NULL
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.33 TIME_PERIOD Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
END_DTTM	DATE	This column stores the actual end date and time stamp for the period that is represented by the time period ID.	No	No	NULL
PERIOD_TYPE_CD	CHARACTER(10)	This column stores the type of period. For example, hour of the day, day, week, fiscal year, fiscal quarter, reporting period, and so on.	No	No	NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
SOURCE_SYSTEM_CD	CHARACTER(10)	This column contains an identifier for the source system from which the business key is supplied.	No	No	NULL
START_DTTM	DATE	This column contains details of the actual start date time for the period that is represented by the time period ID.	No	No	NULL
TIME_PERIOD_DESC	CHARACTER(255)	This column contains a name that is used to describe the time period.	No	No	NULL
TIME_PERIOD_ID	CHARACTER(32)	This column contains a unique ID that is associated to a time period. For example, AllYears, YR2002, 1stQtr2002, Jan2002, and so on.	No	No	NULL
TIME_PERIOD_NM	CHARACTER(40)	This column contains a short name that describes a time period.	No	No	NULL
TIME_PERIOD_RK	NUMERIC(10)	This column stores a retained surrogate key for the time period.	Yes	No	NOT NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.34 TIME_PERIOD_ASSOC Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
BOTTOM_LEVEL_FLG	CHARACTER(1)	This column stores a flag to indicate whether the node is a leaf node or not. The possible values are Y or N.	No	No	NULL
LEVEL_DESC	CHARACTER(255)	This column stores the long name that is used to describe the hierarchy level.	No	No	NULL
LEVEL_NO	NUMERIC(6)	This column contains a number that indicates the level at which the record is in the hierarchy.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
LEVELS_FROM_TOP_NO	NUMERIC(6)	This column stores the number of levels from the top level in the hierarchy.	No	No	NULL
ORDER_NO	NUMERIC(6)	This column identifies the order in which the nodes are listed for a given hierarchy level.	No	No	NULL
PARENT_TIME_PERIOD_RK	NUMERIC(10)	This column stores a retained surrogate key for the time period.	Yes	Yes	NOT NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
TIME_PERIOD_ASSOC_TYPE_CD	CHARACTER(10)	This column contains a code that identifies the types of hierarchies that are represented in the association table.	Yes	No	NOT NULL
TIME_PERIOD_RK	NUMERIC(10)	This column stores a retained surrogate key for the time period.	Yes	Yes	NOT NULL
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL

Table 2.35 VENDOR Table

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
ACTIVE_FLG	CHARACTER(1)	This column stores the active Indicator that indicates whether the supplier is active or discontinued. The possible values are: ❑ Y – Active ❑ N - Discontinued	No	No	NULL
ORG_RK	NUMERIC(10)	This column stores a retained surrogate key for an organization.	No	Yes	NULL
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NOT NULL
SOURCE_SYSTEM_CD	CHARACTER(10)	This column contains an identifier for the source system from which the business key is supplied.	No	No	NULL
SUPPLIER_MANUFACTURER_FLG	CHARACTER(1)	This column contains a flag that indicates whether the supplier is a manufacturer or not.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL
VENDOR_ID	CHARACTER(32)	This column contains an identifier for the vendor.	No	No	NULL
VENDOR_NM	CHARACTER(40)	This column contains the name of the vendor.	No	No	NULL
VENDOR_RK	NUMERIC(10)	This column stores a retained surrogate key for a vendor.	Yes	No	NOT NULL
VENDOR_TYPE_CD	CHARACTER(10)	This column contains a code that indicates the type of vendor. For example: ❑ PRI - Primary ❑ FBK - Fallback	No	No	NULL

Table 2.36 VENDOR_FACILITY_ITEM Table

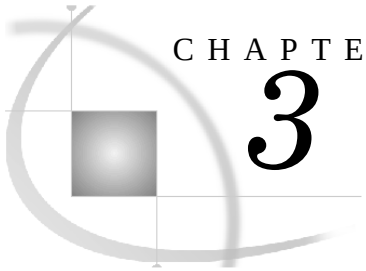
Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
FACILITY_RK	NUMERIC(10)	This column stores a retained surrogate key for a facility.	Yes	Yes	NOT NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
ITEM_PRICE_AMT	NUMERIC(18,5)	This column contains the current price per sale unit of the item.	No	No	NULL
ITEM_RK	NUMERIC(10)	This column stores a retained surrogate key for an item.	Yes	Yes	NOT NULL
LEAD_TM_MAX_NO	NUMERIC(6)	This column contains the maximum lead time (in days) for transporting an item to a facility. This number is supplied by the source system and used for inventory planning. It is optional to populate this field.	No	No	NULL
LEAD_TM_MIN_NO	NUMERIC(6)	This column contains the minimum lead time (in days) for transporting an item to a facility. This number is supplied by the source system and used for inventory planning. It is optional to populate this field.	No	No	NULL
LEAD_TM_NO	NUMERIC(6)	This column contains the lead time (in days) that is needed for transporting an item to a facility. This number is supplied by the source system and used for inventory planning.	No	No	NULL
PRIMARY_VENDOR_FLG	CHARACTER(1)	This column contains a flag that indicates whether the vendor is a primary vendor or not.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
PROCESSED_DTTM	DATE	This column stores the datetime stamp details of when the record was loaded in the warehouse. In case of updates that do not version the row such as, error correction and data patching, the column records the datetime stamp for the update.	No	No	NULL
QTY_DISCOUNT_NO	NUMERIC(6)	This column contains item quantity. The supplier offers a discount in the item price if the items are greater than this quantity. For example, if you purchase 1000 item units, then the supplier offers 10% discount in the item price.	No	No	NULL
QTY_DISCOUNT_PCT	NUMERIC(9,4)	This column contains the discount percentage for the item quantity.	No	No	NULL
QTY_DISCOUNT_UOM_CD	CHARACTER(10)	This column contains a code that indicates the unit of measurement for the discount item quantity.	No	No	NULL
SUPPLIER_SHARE_PCT	NUMERIC(9,4)	This column contains the business supply share percentage for the item.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALID_FROM_DTTM	DATE	This column contains the datetime stamp details for the period from when this record is effective in the warehouse. The time value is set to the period when the record is loaded into the warehouse. The time value must be rounded to full seconds. This column is a versioning instrument. Only one record is valid at any given time. If the value for the time is not available, set it to 00:00:00:00.	Yes	No	NOT NULL
VALID_TO_DTTM	DATE	This column contains the datetime stamp details for the period until this record is effective in the warehouse. The time value is set to one second before the time for the period the next record with the same key is effective. The time value must be rounded to full seconds. If the value for the time is not available, set it to 23:59:59:00.	No	No	NOT NULL
VALUE_DISCOUNT_CURRENCY_CD	CHARACTER(10)	This column contains a code that indicates the currency code for the item price.	No	No	NULL

Name	Data Type	Comment	Is Primary Key?	Is Secondary Key?	Null Option
VALUE_DISCOUNT_NO	NUMERIC(6)	This column contains the value discount number. The supplier offers a discount in the item price for items whose price is more than this column value. For example, if you purchase 1000 USD of item units, then the supplier offers 10% discount in item price.	No	No	NULL
VALUE_DISCOUNT_PCT	NUMERIC(9,4)	This column contains the discount percentage for the item price.	No	No	NULL
VENDOR_ITEM_NM	CHARACTER(40)	This column contains the item name that is provided by the vendor.	No	No	NULL
VENDOR_RK	NUMERIC(10)	This column stores a retained surrogate key for a vendor.	Yes	Yes	NOT NULL



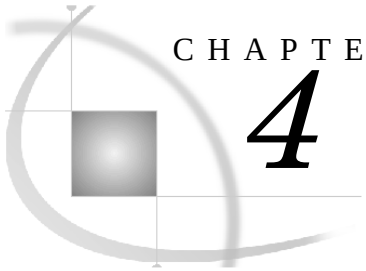
CHAPTER 3

Descriptions of Dimension Tables

The following table provides descriptions of all the dimension tables. The tables are listed in alphabetical order.

Table 3.1 Dimension Tables

No.	Name	Comment
1.	FACILITY_DIM	This table describes details about the facility, distribution center, or warehouse that stocks the items. The details include information about the location and organization hierarchy.
2.	ITEM_DIM	This table describes the item with its categorical hierarchy. The details include information about all items - finished goods, assemblies, subassemblies, and parts.
3.	MONTH_DIM	This view is created from the Time dimension table and contains time-level hierarchy information about month, quarter, and year.
4.	QUARTER_DIM	This view is created from the Time dimension table and contains time-level hierarchy information about quarter and year.
5.	TIME_DIM	This table describes the time-level hierarchy information about day, week, month, quarter, and year. The table is a primary dimension table that is loaded during initial jobs.
6.	WEEK_DIM	This view is created from the Time dimension table and contains time-level hierarchy information about week, month, quarter, and year.
7.	YEAR_DIM	This view is created from the Time dimension table and contains time-level hierarchy information about year.



CHAPTER 4

Descriptions of Dimension Table Columns

The following table provides descriptions of all the columns in a particular dimension table. The tables are listed in alphabetical order.

Table 4.1 FACILITY_DIM Table

Name	Data Type	Comment
FAC_LOC_HIER_LVL<N>_NM	CHARACTER(40)	This column contains the name of the level N location, where N is a number from 1 to 5.
FAC_LOC_HIER_LVL<N>_RK	NUMERIC(8)	This column contains a retained surrogate key for a level N location, where N is a number from 1 to 5.
FAC_ORG_HIER_LVL<N>_NM	CHARACTER(40)	This column contains the name of the level N organization, where N is a number from 1 to 5.
FAC_ORG_HIER_LVL<N>_RK	NUMERIC(8)	This column contains a retained surrogate key for a level N organization, where N is a number from 1 to 5.
FACILITY_CLOSURE_DTTM	NUMERIC(8)	This column contains the closing date and time for the facility.
FACILITY_ID	CHARACTER(32)	This column contains the business key of the facility.
FACILITY_NM	CHARACTER(40)	This column contains the name of the facility.
FACILITY_OPEN_DTTM	NUMERIC(8)	This column contains the opening date and time for the facility.
FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a facility.
FACILITY_SK	NUMERIC(8)	This column contains a surrogate key for a facility.
FACILITY_TYPE_CD	CHARACTER(10)	This column contains the type of the facility.
INTERNAL_EXTERNAL_ORG_FLG	CHARACTER(1)	This column contains a flag that indicates whether the facility is internal or external.
ORG_ID	CHARACTER(32)	This column contains the business key of the organization.
ORG_NM	CHARACTER(40)	This column contains the name of the organization.
PROCESSED_DTTM	NUMERIC(8)	This column contains the date and time information of processing.

Name	Data Type	Comment
SOURCE_SYSTEM_CD	CHARACTER(10)	This column contains the source system details.
VALID_FROM_DTTM	NUMERIC(8)	This column contains the valid from date and time details.
VALID_TO_DTTM	NUMERIC(8)	This column contains the valid to date and time details.

Table 4.2 ITEM_DIM Table

Name	Data Type	Comment
ASSEMBLY_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item is an assembly item.
BRAND_NM	CHARACTER(40)	This column contains the brand name.
EAN_CD	CHARACTER(10)	This column contains the European Article Number (EAN).
EPC_CD	CHARACTER(20)	This column contains the Electronic Product Code (EPC).
FINISHED_GOOD_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item is a finished good.
ITEM_BUNDLE_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item is an item bundle.
ITEM_CATEGORY_LVL<N>_NM	CHARACTER(40)	This column contains the name of the item category of level N, where N is a number from 1 to 10.
ITEM_CATEGORY_LVL<N>_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category of level N, where N is a number from 1 to 10.
ITEM_DESC	CHARACTER(255)	This column contains a description for the item.
ITEM_GROUP_CD	CHARACTER(10)	This column contains the item group code.
ITEM_ID	CHARACTER(32)	This column contains the business key for the item.
ITEM_NM	CHARACTER(40)	This column contains the name of the item.
ITEM_PACK_TYPE_CD	CHARACTER(10)	This column contains the item pack type code.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item
ITEM_SK	NUMERIC(8)	This column contains a surrogate key for an item
ITEM_STATUS_CD	CHARACTER(10)	This column contains the item status code.
ITEM_TYPE_CD	CHARACTER(10)	This column contains the item type code.

Name	Data Type	Comment
MAKE_OR_BUY_CD	CHARACTER(10)	This column contains a code that indicates whether the item is made or bought.
MATERIAL_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item is a material.
PROCESSED_DTTM	NUMERIC(8)	This column contains the date and time information of processing.
SALE_ITEM_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item is a sale item or not.
SALES_DISCONTINUED_DT	NUMERIC(8)	This column contains the date when the item was discontinued from being sold.
SALES_INTRODUCTION_DT	NUMERIC(8)	This column contains the date when the item was introduced for being sold.
SOURCE_SYSTEM_CD	CHARACTER(10)	This column contains the source system code.
UNSPSC_CD	CHARACTER(10)	This column contains the United Nations Standard Products And Services Code (UNSPSC)
UPC_CD	CHARACTER(10)	This column contains the universal product code (UPC).
VALID_FROM_DTTM	NUMERIC(8)	This column contains the valid from date and time details.
VALID_TO_DTTM	NUMERIC(8)	This column contains the valid to date and time details.

Table 4.3 MONTH_DIM Table

Name	Data Type	Comment
CAL_MTH_ID	CHARACTER(40)	This column contains the calendar month at level three.
CAL_MTH_SK	NUMERIC(8)	This column contains an incremental surrogate key for a month.
CAL_QTR_ID	CHARACTER(40)	This column contains the calendar quarter at level two.
CAL_QTR_SK	NUMERIC(8)	This column contains an incremental surrogate key for a quarter.
CAL_YR_ID	CHARACTER(40)	This column contains the calendar year at level one.
CAL_YR_SK	NUMERIC(8)	This column contains an incremental surrogate key for a year.
END_DT	NUMERIC(8)	This column contains the end date in the given period.
START_DT	NUMERIC(8)	This column contains the start date in the given period.

Table 4.4 QUARTER_DIM Table

Column Name	Data Type	Comment
CAL_QTR_ID	CHARACTER(40)	This column contains the calendar quarter at level two.
CAL_QTR_SK	NUMERIC(8)	This column contains an incremental surrogate key for a quarter.
CAL_YR_ID	CHARACTER(40)	This column contains the calendar year at level one.
CAL_YR_SK	NUMERIC(8)	This column contains an incremental surrogate key for a year.
END_DT	NUMERIC(8)	This column contains the end date in the given period.
START_DT	NUMERIC(8)	This column contains the start date in the given period.

Table 4.5 TIME_DIM Table

Name	Data Type	Comment
CAL_DAY_ID	NUMERIC(8)	This column contains the calendar day identifier.
CAL_MTH_ID	CHARACTER(40)	This column contains the calendar month identifier.
CAL_MTH_SK	NUMERIC(8)	This column contains an incremental surrogate key for a month.
CAL_QTR_ID	CHARACTER(40)	This column contains the calendar quarter identifier.
CAL_QTR_SK	NUMERIC(8)	This column contains an incremental surrogate key for a quarter.

Name	Data Type	Comment
CAL_WK_ID	CHARACTER(40)	This column contains the calendar week identifier.
CAL_WK_SK	NUMERIC(8)	This column contains an incremental surrogate key for a week.
CAL_YR_ID	CHARACTER(40)	This column contains the calendar year identifier.
CAL_YR_SK	NUMERIC(8)	This column contains an incremental surrogate key for a year.
DAY_SK	NUMERIC(8)	This column contains an incremental surrogate key for a day.
PROCESSED_DTTM	NUMERIC(8)	This column contains the date and time details for the period when the data administrator last updated the record.
TIME_PERIOD_RK	NUMERIC(8)	This column contains a retained surrogate key for time.

Table 4.6 WEEK_DIM Table

Name	Data Type	Comment
CAL_MTH_ID	CHARACTER(40)	This column contains the calendar month at level three.
CAL_MTH_SK	NUMERIC(8)	This column contains an incremental surrogate key for a month.
CAL_QTR_ID	CHARACTER(40)	This column contains the calendar quarter at level two.
CAL_QTR_SK	NUMERIC(8)	This column contains an incremental surrogate key for a quarter.
CAL_WK_ID	CHARACTER(40)	This column contains the calendar week at level two.
CAL_WK_SK	NUMERIC(8)	This column contains an incremental surrogate key for a week.
CAL_YR_ID	CHARACTER(40)	This column contains the calendar year at level one.
CAL_YR_SK	NUMERIC(8)	This column contains an incremental surrogate key for a year.
END_DT	NUMERIC(8)	This column contains the end date in the given period.
START_DT	NUMERIC(8)	This column contains the start date in the given period.

Table 4.7 YEAR_DIM Table

Name	Data Type	Comment
CAL_YR_ID	CHARACTER(40)	This column contains the calendar year at level one.
CAL_YR_SK	NUMERIC(8)	This column contains an incremental surrogate key for a year.
END_DT	NUMERIC(8)	This column contains the end date in the given period.
START_DT	NUMERIC(8)	This column contains the start date in the given period.

CHAPTER 5

Descriptions of Analytical Base Tables

The following table provides descriptions of all the analytical base tables (ABTs). The tables are listed in alphabetical order.

Note: Some table names contain the text <Base_Period>, wherein <Base_Period> is a variable value that depends on the base period that is specified during configuration. The different base period values are as follows:

- DAY for day
- WK for week
- MTH for month
- QTR for quarter

Table 5.1 Analytical Base Tables

No.	Name	Comment
1.	<Base_Period>_FCST_GP_SPECIFIC_ABT<N>	This table contains data that is specific to the forecast group for the selected base period. Here, N is the unique number of a forecast group.
2.	DAY_AGGREGATED_FORECAST_ART	This table contains forecast results that are aggregated at a daily level.
3.	FACILITY_ITEM_FORECAST	This table contains a list of facility and item pairs that have been considered for short term forecasting.
4.	HPF_ACTUAL_FORECAST_VAL_ABT	This table contains actual and predicted demand values for all facility and item pairs. This table is an input for the quality analysis process.
5.	HPF_FORECAST_OUTFOR_ART	This table contains demand forecast results and user-specified intervals of actual demand quantities.
6.	IO_<Base_Period>_ARC_DATA_ABT	This table contains arc information that is required for the inventory optimization process.
7.	IO_<Base_Period>_DEMAND_DATA_ABT	This table contains forecast values of external demand for each facility and item pair over the planning horizon. The forecast values are required for the inventory optimization process.
8.	IO_<Base_Period>_IDM_ABT	This table contains intermittent demand series details.

No.	Name	Comment
9.	IO_<Base_Period>_INVENTORY_DATA_ABT	This table contains total inventory details for each facility and item pair over the planning horizon.
10.	IO_<Base_Period>_NETWORK_ABT	This table contains information that is related to the supply chain network model.
11.	IO_<Base_Period>_NODE_DATA_ABT	This table contains information that is associated with a facility and item pair in the network under consideration. The information is required for the inventory optimization process.
12.	IO_<Base_Period>_NODE_DATA_HIST_ABT	This table contains information that is associated with a facility and item pair in the network under consideration for the previous period. The information is required for the inventory optimization process.
13.	IO_<Base_Period>_OPENING_INVENTORY_ABT	This table contains inventory details at the beginning of the planning horizon for each facility and item pair.
14.	IO_<Base_Period>_PIPELINE_INVENTORY_ABT	This table contains pipeline inventory details for each period in the planning horizon, for each facility and item pair.
15.	IO_VENDOR_FACILITY_ITEM_ABT	This table contains the proportional share percentage of a vendor when the aggregated share percentage for the facility and item pairs is not 100.
16.	IO_VENDOR_SHARE_PCT_MESSAGE_ABT	This table contains the warning messages to be displayed when the aggregated share percentage for the facility and item pairs is not 100.
17.	LTF_CLUSTER_ABT	This table contains demand quantities for all the facility and item pairs over the complete horizon. The demand quantities are aggregated at an annual level.
18.	LTF_CLUSTER_ART	This table contains cluster mean values.
19.	LTF_CLUSTER_MEMBER_ART	This table contains facility and item pairs and their associated cluster identifiers (IDs).
20.	LTF_CLUSTER_PARAM_ABT	This table contains parameter values that are defined at the forecast group level and used for the long-term forecasting process.
21.	LTF_DEMAND_DATA_ABT	This table contains demand data for all facility and item pairs that are aggregated at an annual level.

No.	Name	Comment
22.	LTF_FACILITY_ITEM_FORECAST	This table contains a list of all the facility and item pairs for which long-term forecasting is performed.
23.	LTF_FORECAST_ART	This table contains long-term forecasting results.
24.	LTF_FORECAST_SUMMARY_ART	This table contains the summarized results of long-term forecasting process.
25.	MIRP_<Base_Period>_ARC_DATA_ABT	This table contains network structures by defining arcs with their predecessors and successors. The network structure details are used as an input to the PROC MIRP.
26.	MIRP_<Base_Period>_DEMAND_DATA_ABT	This table contains external demand forecast values for each facility and item pair over the planning horizon. The forecast information is used as an input to the PROC MIRP.
27.	MIRP_<Base_Period>_INVDATA_AFTER_TRANS	This table contains inventory status details for each facility and item pair at the beginning of the planning horizon, after the transshipment process is performed. The inventory status details are used as an input to the PROC MIRP.
28.	MIRP_<Base_Period>_INVENTORY_DATA_ABT	This table contains inventory status details for each facility and item pair at the beginning of each period in the planning horizon. The inventory status details are used as an input to the PROC MIRP.
29.	MIRP_<Base_Period>_NODE_DATA_ABT	This table contains information associated with a facility and item pair in the network under consideration. The information is used as an input to the PROC MIRP.
30.	MIRP_<Base_Period>_OPT_MESSAGE_ART	This table contains the warning and error messages that are output from the PROC MIRP.
31.	MIRP_<Base_Period>_OUT_BEFORETRANS	This table contains the output of the PROC MIRP before the transshipment process runs.
32.	MIRP_<Base_Period>_PREDICT_KPI_ART	This table contains the output of the PROC MIRP after the transshipment process runs.
33.	MIRP_<Base_Period>_PREDICT_KPI_HIST_ART	This table contains the output of the PROC MIRP that runs after the transshipment process, for the previous period.

No.	Name	Comment
34.	MTH_AGGREGATED_FORECAST_ART	This table contains forecast results that are aggregated at a monthly level.
35.	MTH_FORECAST_OUTFOR_ART	This table contains demand forecast results and user-specified intervals of actual demand quantities at a monthly level.
36.	NPF_DEMAND_ABT_LESS_HISTORY	This table contains demand time series for facility and item pairs with history less than the user-specified threshold period. Here the combined history of predecessor (if any) and current item is also less than the threshold.
37.	NPF_DMD_LESS_HIS_AGGR_ABT	This table contains demand quantity for the facility and item pairs that are aggregated on a weekly, monthly, and quarterly basis.
38.	QTR_AGGREGATED_FORECAST_ART	This table contains forecast results that are aggregated at a quarterly level.
39.	QTR_FORECAST_OUTFOR_ART	This table contains demand forecast results and user-specified intervals of actual demand quantities at a quarterly level.
40.	TRANS_<Base_Period>_ALERTDATA_IN_ABT	This table contains the current and optimal inventory amount that is required for the transshipment process.
41.	TRANS_<Base_Period>_ALERTDATA_TYPE_ABT	This table contains information about alert types (depending on excess or shortage of inventory) that is required for the transshipment process.
42.	TRANS_<Base_Period>_NODE_DATA_ABT	This table contains node information that is required for the transshipment process.
43.	TRANS_<Base_Period>_NODEARC_DATA_ABT	This table contains node-arc information that is required for the transshipment process.
44.	TRANS_<Base_Period>_SHIPIN_PERIOD_SUMMARY	This table contains transshipment summary details by period for the successor facility and item pairs.
45.	TRANS_<Base_Period>_SHIPOUT_SUMMARY_ART	This table contains transshipment summary details for the predecessor facility and item pairs.
46.	TRANSSHIP_<Base_Period>_SHIPIN_SUMMARY	This table contains transshipment summary for the successor facility and item pairs.
47.	TRANSSHIPMENT_<Base_Period>_ART	This table contains the output of the transshipment process.
48.	TRANSSHIPMENT_<Base_Period>_SUMMARY_ART	This table contains a summary of the transshipment process.

No.	Name	Comment
49.	TRANSSHIPMENT_COST_<Base_Period>_ART	This table contains network cost details before and after the transshipment process runs.
50.	UNFORECASTED_FACILITY_ITEM	This table contains all the facility and item pairs with available demand history of less than 40% of the demand horizon that is specified for the respective forecast group.
51.	WK_AGGREGATED_FORECAST_ART	This table contains forecast results that are aggregated at a weekly level.
52.	WK_FORECAST_OUTFOR_ART	This table contains demand forecast results and user-specified intervals of actual demand quantities at a weekly level.

CHAPTER 6

Descriptions of Analytical Base Table Columns

The following table provides descriptions of all the columns in a particular analytical base table. The tables are listed in alphabetical order.

Note: Some table names contain the text <Base_Period>, wherein <Base_Period> is a variable value that depends on the base period that is specified during configuration. The different base period values are as follows:

- DAY for day
- WK for week
- MTH for month
- QTR for quarter

Table 6.1 <Base_Period>_FCST_GP_SPECIFIC_ABT<N> Table

Name	Data Type	Comment
DEMAND_QTY	NUMERIC(8)	This column contains the demand order quantity for the demand period.
FAC_LOC_HIER_LVL<N>_NM	CHARACTER(40)	This column contains the location name at level N, where N is a number from 1 to 5.
FAC_LOC_HIER_LVL<N>_RK	NUMERIC(8)	This column contains a retained surrogate key for the location at level N, where N is a number from 1 to 5.
FACILITY_ID	CHARACTER(40)	This column contains an identifier for the facility that is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column contains a name for the facility that is generated by the source system.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
IND_VAR<N>	NUMERIC(8)	This column contains value of independent variable N, where N is a number from 1 to 10.
ITEM_CATEGORY_LVL<N>_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level N, where N is a number from 1 to 10.
ITEM_ID	CHARACTER(40)	This column contains an identifier for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.

Table 6.2 DAY_AGGREGATED_FORECAST_ART Table

Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique code for a forecast group. The forecast groups are defined by the implementation team.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
START_DT	NUMERIC(8)	This column contains the demand start date.
STD	NUMERIC(8)	This column contains the standard deviation for the period.

Table 6.3 FACILITY_ITEM_FORECAST Table

Name	Data Type	Comment
FACILITY_NM	CHARACTER(40)	This column contains a name for the facility that is generated by the source system.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.

Table 6.4 HPF_ACTUAL_FORECAST_VAL_ABT Table

Name	Data Type	Comment
NAME	CHARACTER(100)	This column contains a name of analysis variable considered. Here it is demand quantity.
ACTUAL	NUMERIC(8)	This column contains the actual demand quantity for the period.
ERROR	NUMERIC(8)	This column contains the error in prediction for the period.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.

Name	Data Type	Comment
LOWER	NUMERIC(8)	This column contains the forecasted lower limit for the aggregated demand quantity for the period.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error for the forecasted values.
START_DT	NUMERIC(8)	This column contains the start date for the demand period.
STD	NUMERIC(8)	This column contains the standard deviation for the period.
UPPER	NUMERIC(8)	This column contains the forecasted upper limit for the aggregated demand quantity for the period.
VERSION_DATE	NUMERIC(8)	This column contains the last run date of forecast batch process.

Table 6.5 HPF_FORECAST_OUTFOR_ART Table

Name	Data Type	Comment
NAME	CHARACTER(100)	This column contains a name of analysis variable considered. Here it is demand quantity.
ACTUAL	NUMERIC(8)	This column contains the actual demand quantity for the period.
ERROR	NUMERIC(8)	This column contains the error in prediction for the period.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
LOWER	NUMERIC(8)	This column contains the forecasted lower limit for the aggregated demand quantity for the period.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error for the forecasted values.
START_DT	NUMERIC(8)	This column contains the start date for the demand period.
STD	NUMERIC(8)	This column contains the standard deviation

Name	Data Type	Comment
		for the period.
UPPER	NUMERIC(8)	This column contains the forecasted upper limit for the aggregated demand quantity for the period.

Table 6.6 IO_<Base_Period>_ARC_DATA_ABT Table

Name	Data Type	Comment
FROM_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a predecessor facility in the network.
FROM_NODE_ID	CHARACTER(32)	This column contains the node identifier that represents the predecessor facility and item pair.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
NETWORKID	CHARACTER(32)	This column contains the network identifier.
PIPELINE_COST_AMT	NUMERIC(8)	This column contains the transportation cost of one part in transit from the predecessor to the successor.
PRIMARY_NETWORK_FLG	CHARACTER(1)	This column contains a flag that indicates whether the network is a primary network or a pooling network.
PRIMARY_ROUTE_FLG	CHARACTER(1)	This column contains a flag that indicates whether the route is a primary route in the network for the facility and item pair.
QUANTITY	NUMERIC(8)	This column contains the unit quantity that is supplied by the predecessor and received by the successor.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.
TO_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a successor facility in the network.
TO_NODE_ID	CHARACTER(32)	This column contains the node identifier that represents the successor facility and item pair.

Table 6.7 IO_<Base_Period>_DEMAND_DATA_ABT Table

Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
MEAN	NUMERIC(8)	This column contains the mean of the demand for each facility and item pair.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
NETWORKID	CHARACTER(32)	This column contains the network identifier.
NODE_ID	CHARACTER(32)	This column contains the node identifier that represents the facility and item pair.
PERIOD	NUMERIC(8)	This column contains the time period of demand at each facility and item pair that is to be analyzed.
PERIOD_DESC	NUMERIC(8)	This column contains the description of the time period of demand at each facility and item pair that is to be analyzed.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.
VARIANCE	NUMERIC(8)	This column contains the variance of the demand for each facility and item pair.

Table 6.8 IO_<Base_Period>_IDM_ABT Table

Name	Data Type	Comment
AVG_DEMAND_INTERVAL	NUMERIC(8)	This column contains the average demand interval.
AVG_DEMAND_SIZE	NUMERIC(8)	This column contains the average demand size.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.
STDDEV_DEMAND_SIZE	NUMERIC(8)	This column contains the standard deviation for demand size.

Table 6.9 IO_<Base_Period>_INVENTORY_DATA_ABT Table

Name	Data Type	Comment
AMOUNT	NUMERIC(8)	This column contains the amount of inventory that is to arrive at a location for a specified time period.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
IO_REF_DT	NUMERIC(8)	This column contains the reference date for populating inventory data and demand data for the inventory optimization process.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
NETWORKID	CHARACTER(32)	This column contains the network identifier.
NODE_ID	CHARACTER(32)	This column contains the node identifier that represents a facility and item pair.
PERIOD	NUMERIC(8)	This column contains the period in the horizon.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.

Table 6.10 IO_<Base_Period>_NETWORK_ABT Table

Name	Data Type	Comment
IRP_HORIZON_NO	NUMERIC(8)	This column contains the horizon in the inventory optimization process.
NETWORK_MODEL_NM	CHARACTER(40)	This column contains the name of the network model.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.

Table 6.11 IO_<Base_Period>_NODE_DATA_ABT Table

Name	Data Type	Comment
BATCH_SIZE_QTY	NUMERIC(8)	This column contains the fixed order size constraint for each facility and item pair. Orders are to be placed in multiples of batch size.
DEMAND_INTERVAL	NUMERIC(8)	This column contains the number of periods between two positive demands. This variable is used to model intermittent demand.
FROM_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a predecessor facility in the network.

Name	Data Type	Comment
FROM_NODE_ID	CHARACTER(32)	This column contains the node identifier that represents the predecessor facility and item pair.
HOLD_COST_TRANS_RT	NUMERIC(8)	This column contains the holding cost during transition ratio.
HOLDING_COST_AMT	NUMERIC(8)	This column contains the cost of holding one unit at a particular facility and item pair for the base period.
HOLDING_COST_PCT	NUMERIC(8)	This column contains the percentage of holding one unit at a particular facility and item pair for the base period.
INTERNAL_EXTERNAL_NODE_FLG	CHARACTER(1)	This column contains a flag that indicates whether the node supplies demand directly to the end-customers, internal facilities, or both.
ITEM_CATEGORY_RK	NUMERIC(8)	This column contains the item category key.
ITEM_GROUP_CD	CHARACTER(10)	This column contains the code for the item group.
ITEM_PRICE_AMT	NUMERIC(8)	This column contains the current price per sale unit of the item.
ITEM_QTY_UOM_CD	CHARACTER(10)	This column contains the unit of measurement code for item quantity.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_STATUS_CD	CHARACTER(10)	This column contains the code for the item status.
ITEM_TYPE_CD	CHARACTER(10)	This column contains the code for the item type.
KIT_ITEM_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item belongs to a kit or not.
KITTING_POINT_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item bundle is bundled at this facility or not.
LEAD_TM	NUMERIC(8)	This column contains the average lead time for transporting an item to a facility. The lead time must be an integral multiple of the base period.
LEAD_TM_MAX	NUMERIC(8)	This column contains the maximum lead time for transporting an item to a facility. The lead time must be an integral multiple of the base period.
LEAD_TM_MAX_NO	NUMERIC(8)	This column contains the maximum lead time (in days) for transporting an item to a facility.

Name	Data Type	Comment
LEAD_TM_MIN	NUMERIC(8)	This column contains the minimum lead time for transporting an item to a facility. The lead time must be an integral multiple of the base period.
LEAD_TM_MIN_NO	NUMERIC(8)	This column contains the minimum lead time (in days) for transporting an item to a facility.
LEAD_TM_NO	NUMERIC(8)	This column contains the average lead time (in days) for transporting an item to a facility.
MAX_ORDER_QTY	NUMERIC(8)	This column contains the maximum order size constraint for each facility and item pair.
MAX_STOCK_QTY	NUMERIC(8)	This column contains the maximum number of items that a facility can stock.
MIN_ORDER_QTY	NUMERIC(8)	This column contains the minimum order size constraint for each facility and item pair.
MRP_CONTROLLER_RK	NUMERIC(8)	This column contains a retained surrogate key for the MRP controller.
NETWORK_MODEL_NM	CHARACTER(40)	This column contains the name of the network model.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
NETWORKID	CHARACTER(32)	This column contains the network identifier.
NEXT_REPLENISH_NO	NUMERIC(8)	This column contains the number of periods when the first replenishment order can be made for each facility and item pair.
ORDERING_COST_AMT	NUMERIC(8)	This column contains the ordering cost for a part at a particular facility and item pair.
PBR_NO	NUMERIC(8)	This column contains the number of periods between two replenishment orders.
PENALTY_COST_AMT	NUMERIC(8)	This column contains the penalty cost for the delayed supply of one unit item at a particular facility for the base period.
PIPELINE_COST_AMT	NUMERIC(8)	This column contains the transportation cost of one part in transit from the predecessor facility to the successor facility.
POLICY_TYPE_CD	CHARACTER(10)	This column contains the policy type code definition for the facility and item pairs. The possible code values are: SS - (min-max), and BS - (Base stock)

Name	Data Type	Comment
PRIMARY_NETWORK_FLG	CHARACTER(1)	This column contains a flag that indicates whether the network is a primary network or a pooling network.
PRIMARY_ROUTE_FLG	CHARACTER(1)	This column contains a flag that indicates whether the route is a primary route in the network for the facility and item pair.
ROUTE_TYPE_NO	NUMERIC(8)	This column contains a number that indicates the type of route.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.
SERVICE_LEVEL	NUMERIC(8)	This column contains the service level that is supplied by the source system and used by the PROC MIRP.
SERVICE_TYPE_CD	CHARACTER(10)	This column contains the service type code definition for the facility and item pair. The possible code values are: RR - ready rate and FR - fill rate.
SKU_CD	CHARACTER(10)	This column contains the stock keeping unit (SKU) that is supplied by the source system.
STOCK_PROFILE_CD	CHARACTER(10)	This column defines the stock profile method.
STOCK_PROFILE_CLASS_NM	CHARACTER(40)	This column contains the stock profile class name.
STOCK_PROFILE_RANK_NO	NUMERIC(8)	This column contains the stock profile rank number.
TO_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a successor facility in the network.
TO_NODE_ID	CHARACTER(32)	This column contains the node identifier that represents the successor facility and item pair.

Table 6.12 IO_<Base_Period>_NODE_DATA_HIST_ABT Table

Name	Data Type	Comment
BATCH_SIZE_QTY	NUMERIC(8)	This column contains the fixed order size constraint for each facility and item pair. Orders are to be placed in multiples of batch size.
DEMAND_INTERVAL	NUMERIC(8)	This column contains the number of periods between two positive demands. This variable is used to model intermittent demand.
FROM_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a predecessor facility in the network.

Name	Data Type	Comment
FROM_NODE_ID	CHARACTER(32)	This column contains the node identifier that represents the predecessor facility and item pair.
HOLD_COST_TRANS_RT	NUMERIC(8)	This column contains the holding cost during transition ratio.
HOLDING_COST_AMT	NUMERIC(8)	This column contains the cost of holding one unit at a particular facility and item pair for the base period.
HOLDING_COST_PCT	NUMERIC(8)	This column contains the percentage of holding one unit at a particular facility and item pair for the base period.
INTERNAL_EXTERNAL_NODE_FLG	CHARACTER(1)	This column contains a flag that indicates whether the node supplies demand directly to the end-customers, internal facilities, or both.
ITEM_CATEGORY_RK	NUMERIC(8)	This column contains the item category key.
ITEM_GROUP_CD	CHARACTER(10)	This column contains the code for the item group.
ITEM_PRICE_AMT	NUMERIC(8)	This column contains the current price per sale unit of the item.
ITEM_QTY_UOM_CD	CHARACTER(10)	This column contains the unit of measurement code for item quantity.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_STATUS_CD	CHARACTER(10)	This column contains the code for the item status.
ITEM_TYPE_CD	CHARACTER(10)	This column contains the code for the item type.
KIT_ITEM_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item belongs to a kit or not.
KITTING_POINT_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item bundle is bundled at this facility or not.
LEAD_TM	NUMERIC(8)	This column contains the average lead time for transporting an item to a facility. The lead time must be an integral multiple of the base period.
LEAD_TM_MAX	NUMERIC(8)	This column contains the maximum lead time for transporting an item to a facility. The lead time must be an integral multiple of the base period.
LEAD_TM_MAX_NO	NUMERIC(8)	This column contains the maximum lead time (in days) for transporting an item to a facility.

Name	Data Type	Comment
LEAD_TM_MIN	NUMERIC(8)	This column contains the minimum lead time for transporting an item to a facility. The lead time must be an integral multiple of the base period.
LEAD_TM_MIN_NO	NUMERIC(8)	This column contains the minimum lead time (in days) for transporting an item to a facility.
LEAD_TM_NO	NUMERIC(8)	This column contains the average lead time (in days) for transporting an item to a facility.
MAX_ORDER_QTY	NUMERIC(8)	This column contains the maximum order size constraint for each facility and item pair.
MAX_STOCK_QTY	NUMERIC(8)	This column contains the maximum number of items that a facility can stock.
MIN_ORDER_QTY	NUMERIC(8)	This column contains the minimum order size constraint for each facility and item pair.
MRP_CONTROLLER_RK	NUMERIC(8)	This column contains a retained surrogate key for the MRP controller.
NETWORK_MODEL_NM	CHARACTER(40)	This column contains the name of the network model.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
NETWORKID	CHARACTER(32)	This column contains the network identifier.
NEXT_REPLENISH_NO	NUMERIC(8)	This column contains the number of periods when the first replenishment order can be made for each facility and item pair.
ORDERING_COST_AMT	NUMERIC(8)	This column contains the ordering cost for a part at a particular facility and item pair.
PBR_NO	NUMERIC(8)	This column contains the number of periods between two replenishment orders.
PENALTY_COST_AMT	NUMERIC(8)	This column contains the penalty cost for the delayed supply of one unit item at a particular facility for the base period.
PIPELINE_COST_AMT	NUMERIC(8)	This column contains the transportation cost of one part in transit from the predecessor facility to the successor facility.
POLICY_TYPE_CD	CHARACTER(10)	This column contains the policy type code definition for the facility and item pairs. The possible code values are: SS - (min-max), and BS - (Base stock)

Name	Data Type	Comment
PRIMARY_NETWORK_FLG	CHARACTER(1)	This column contains a flag that indicates whether the network is a primary network or a pooling network.
PRIMARY_ROUTE_FLG	CHARACTER(1)	This column contains a flag that indicates whether the route is a primary route in the network for the facility and item pair.
ROUTE_TYPE_NO	NUMERIC(8)	This column contains a number that indicates the type of route.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.
SERVICE_LEVEL	NUMERIC(8)	This column contains the service level that is supplied by the source system and used by the PROC MIRP.
SERVICE_TYPE_CD	CHARACTER(10)	This column contains the service type code definition for the facility and item pair. The possible code values are: RR - ready rate and FR - fill rate.
SKU_CD	CHARACTER(10)	This column contains the stock keeping unit (SKU) that is supplied by the source system.
STOCK_PROFILE_CD	CHARACTER(10)	This column defines the stock profile method.
STOCK_PROFILE_CLASS_NM	CHARACTER(40)	This column contains the stock profile class name.
STOCK_PROFILE_RANK_NO	NUMERIC(8)	This column contains the stock profile rank number.
TO_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a successor facility in the network.
TO_NODE_ID	CHARACTER(32)	This column contains the node identifier that represents the successor facility and item pair.

Table 6.13 IO_<Base_Period>_OPENING_INVENTORY_ABT Table

Column Name	Data Type	Comment
AMOUNT	NUMERIC(8)	This column contains the amount of inventory that is to arrive at a location for a specified time period.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
IO_REF_DT	NUMERIC(8)	This column contains the reference date for populating inventory data and demand data for the inventory optimization process.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
NETWORKID	CHARACTER(32)	This column contains the network identifier.

Column Name	Data Type	Comment
NODE_ID	CHARACTER(32)	This column contains the node identifier that represents a facility and item pair.
PERIOD	NUMERIC(8)	This column contains the period in the horizon.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.

Table 6.14 IO_<Base_Period>_PIPELINE_INVENTORY_ABT Table

Name	Data Type	Comment
AMOUNT	NUMERIC(8)	This column contains the amount of inventory that is to arrive at a location for a specified time period.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
IO_REF_DT	NUMERIC(8)	This column contains the reference date for populating inventory data and demand data for the inventory optimization process.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
NETWORKID	CHARACTER(32)	This column contains the network identifier.
NODE_ID	CHARACTER(32)	This column contains the node identifier that represents a facility and item pair.
PERIOD	NUMERIC(8)	This column contains the period in the horizon.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.

Table 6.15 IO_VENDOR_FACILITY_ITEM_ABT Table

Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
LEAD_TM_MAX_NO	NUMERIC(8)	This column contains the maximum lead time (in days) for transporting an item to a facility.
LEAD_TM_MIN_NO	NUMERIC(8)	This column contains the minimum lead time (in days) for transporting an item to a facility.
LEAD_TM_NO	NUMERIC(8)	This column contains the lead time (in days) for transporting an item to a facility.
PRIMARY_VENDOR_FLG	CHARACTER(1)	This column contains a flag that indicates whether the vendor is a primary vendor or not.
SUPPLIER_SHARE_PCT	NUMERIC(8)	This column contains the proportional share percentage of a vendor.
VENDOR_RK	NUMERIC(8)	This column contains a retained surrogate key for a vendor.

Table 6.16 IO_VENDOR_SHARE_PCT_MESSAGE_ABT Table

Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
MESSAGE	CHARACTER(200)	This column contains a warning message.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.

Table 6.17 LTF_CLUSTER_ABT Table

Name	Data Type	Comment
DEMAND_QTY	NUMERIC(8)	This column contains the demand order quantity for the demand period.
DEMAND_START_DT	NUMERIC(8)	This column contains the period in the horizon.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.

Table 6.18 LTF_CLUSTER_ART Table

Name	Data Type	Comment
CLUSTER_ID	NUMERIC(8)	This column contains the cluster identifier.
CLUSTER_MEAN	NUMERIC(8)	This column contains the cluster mean.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
FREQUENCY	NUMERIC(8)	This column contains the number of facility and item pairs in the cluster.
PERIOD	NUMERIC(8)	This column contains the period in the horizon.

Table 6.19 LTF_CLUSTER_MEMBER_ART Table

Name	Data Type	Comment
CLUSTER_ID	NUMERIC(8)	This column contains the cluster identifier.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.

Table 6.20 LTF_CLUSTER_PARAM_ABT Table

Name	Data Type	Comment
ADJUST_FCST_FLG	CHARACTER(1)	This column contains a flag that indicates the forecast adjustment value. It states whether any adjustment in predictions is to be done considering actual demand values.
BASS_MODEL_HIST_PERIOD	NUMERIC(8)	This column contains the Bass model history period.
FCST_SERIES_NO	NUMERIC(8)	This column contains the serial number for the forecast values.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
FORECAST_HORIZON_NO	NUMERIC(8)	This column contains the forecast horizon value.
MAX_CLUSTERS_NO	NUMERIC(8)	This column contains the maximum number of clusters in the forecast group.
OUTLIER_COEFFICIENT_NO	NUMERIC(8)	This column contains the outlier coefficient number.
OUTLIER_MAVG_PERIOD	NUMERIC(8)	This column contains the moving average period.
TIME_HIERARCHY_LEVEL_DESC	CHARACTER(255)	This column contains the time hierarchy level description.

Name	Data Type	Comment
TIME_HIERARCHY_LEVEL_NO	NUMERIC(8)	This column contains the time hierarchy level number.

Table 6.21 LTF_DEMAND_DATA_ABT Table

Name	Data Type	Comment
DEMAND_QTY	NUMERIC(8)	This column contains the demand order quantity for the demand period.
DEMAND_START_DT	NUMERIC(8)	This column contains the period in the horizon.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.

Table 6.22 LTF_FACILITY_ITEM_FORECAST Table

Name	Data Type	Comment
FACILITY_NM	CHARACTER(40)	This column contains a name for the facility that is generated by the source system.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column contains a name for the facility that is generated by the source system.

Table 6.23 LTF_FORECAST_ART Table

Name	Data Type	Comment
ACTUAL_DEMAND_QTY	NUMERIC(8)	This column contains the actual demand quantity for the current period.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FIRST_PERIOD_DEMAND_DT	NUMERIC(8)	This column contains the demand start date. It is the first day of interval (week, month, or quarter) in which demand has been made.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
FORECASTED_DEMAND_LOWLT	NUMERIC(8)	This column contains the forecasted lower limit for the aggregated demand quantity for the period.

Name	Data Type	Comment
FORECASTED_DEMAND_QTY	NUMERIC(8)	This column contains the predicted demand quantity for the current period.
FORECASTED_DEMAND_UPPLT	NUMERIC(8)	This column contains the forecasted upper limit for the aggregated demand quantity for the period.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
MODEL_NM	CHARACTER(40)	This column contains the name of the model that is used for forecasting.
PERIOD	NUMERIC(8)	This column contains the period in the horizon.
PROJECT_RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the project was run.
RANK_NO	NUMERIC(8)	This column contains the rank of the forecast model, based on RMSE.
RMSE	NUMERIC(8)	This column contains the root mean square error for the forecasted values.

Table 6.24 LTF_FORECAST_SUMMARY_ART Table

Name	Data Type	Comment
AGGR_FORECAST_DEMAND_LLIMIT	NUMERIC(8)	This column contains the aggregated forecast lower limit value for the future periods.
AGGR_FORECAST_DEMAND_QTY	NUMERIC(8)	This column contains the aggregated forecast values for the future periods.
AGGR_FORECAST_DEMAND_ULIMIT	NUMERIC(8)	This column contains the aggregated forecast upper limit value for the future periods.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FIRST_PERIOD_DEMAND_DT	NUMERIC(8)	This column contains the demand start date.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
MODEL_NM	CHARACTER(40)	This column contains the name of the model that is used for forecasting.
PROJECT_RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the project was run.
RANK_NO	NUMERIC(8)	This column contains the rank of the forecast model, based on RMSE.
RMSE	NUMERIC(8)	This column contains the root mean square error for the forecasted values.

Table 6.25 MIRP_<Base_Period>_ARC_DATA_ABT Table

Name	Data Type	Comment
BATCH_ID	NUMERIC(8)	This column contains the batch identifier.
FROM_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a predecessor facility in the network.
FROM_NODE_ID	CHARACTER(32)	This column contains the node identifier that represents the predecessor facility and item pair.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
NETWORKID	CHARACTER(32)	This column contains the network identifier.
PIPELINE_COST_AMT	NUMERIC(8)	This column contains the transportation cost of one part in transit from the predecessor facility to the successor facility.
PRIMARY_NETWORK_FLG	CHARACTER(1)	This column contains a flag that indicates whether the network is a primary network or a pooling network.
PRIMARY_ROUTE_FLG	CHARACTER(1)	This column contains a flag that indicates whether the route is a primary route in the network for the facility and item pair.
QUANTITY	NUMERIC(8)	This column contains the unit quantity that is supplied by the predecessor and received by the successor facility.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.
TO_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a successor facility in the network.
TO_NODE_ID	CHARACTER(32)	This column contains the node identifier that represents the successor facility and item pair.

Table 6.26 MIRP_<Base_Period>_DEMAND_DATA_ABT Table

Name	Data Type	Comment
BATCH_ID	NUMERIC(8)	This column contains the batch identifier.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
MEAN	NUMERIC(8)	This column contains the mean of the demand for each facility and item pair.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
NETWORKID	CHARACTER(32)	This column contains the network identifier.
NODE_ID	CHARACTER(32)	This column contains the node identifier that represents a facility and item pair.
PERIOD	NUMERIC(8)	This column contains the time period of demand at each facility and item pair to be analyzed.
PERIOD_DESC	NUMERIC(8)	This column contains the description of the time period of demand at each facility and item pair that is to be analyzed.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.
VARIANCE	NUMERIC(8)	This column contains the variance of the demand for each facility and item pair.

Table 6.27 MIRP_<Base_Period>_INVDATA_AFTER_TRANS Table

Name	Data Type	Comment
AMOUNT	NUMERIC(8)	This column contains the amount of inventory that is to arrive at a location for a specified time period.
BATCH_ID	NUMERIC(8)	This column contains the batch identifier.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
IO_REF_DT	NUMERIC(8)	This column contains the reference date for populating inventory data and demand data for the inventory optimization process.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
NETWORKID	CHARACTER(32)	This column contains the network identifier.
NODE_ID	CHARACTER(32)	This column contains the node identifier that represents a facility and item pair.
PERIOD	NUMERIC(8)	This column contains the period in the

Name	Data Type	Comment
		horizon.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.

Table 6.28 MIRP_<Base_Period>_INVENTORY_DATA_ABT Table

Name	Data Type	Comment
AMOUNT	NUMERIC(8)	This column contains the amount of inventory that is to arrive at a location for a specified time period.
BATCH_ID	NUMERIC(8)	This column contains the batch identifier.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
IO_REF_DT	NUMERIC(8)	This column contains the reference date for populating inventory data and demand data for the inventory optimization process.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
NETWORKID	CHARACTER(32)	This column contains the network identifier.
NODE_ID	CHARACTER(32)	This column contains the node identifier that represents a facility and item pair.
PERIOD	NUMERIC(8)	This column contains the period in the horizon.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.

Table 6.29 MIRP_<Base_Period>_NODE_DATA_ABT Table

Name	Data Type	Comment
BATCH_ID	NUMERIC(8)	This column contains the batch identifier.
BATCH_SIZE_QTY	NUMERIC(8)	This column contains the fixed order size constraint for each facility and item pair. Orders are to be placed in multiples of batch size.
DEMAND_INTERVAL	NUMERIC(8)	This column contains the number of periods between two positive demands. This variable is used to model intermittent demand.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
HOLD_COST_TRANS_RT	NUMERIC(8)	This column contains the holding cost during transition ratio.
HOLDING_COST_AMT	NUMERIC(8)	This column contains the cost of holding one unit at a particular facility and item pair for the base period.
HOLDING_COST_PCT	NUMERIC(8)	This column contains the percentage of holding one unit at a particular facility and item pair for the base period.
INTERNAL_EXTERNAL_NODE_FLG	CHARACTER(1)	This column contains a flag that indicates whether the node supplies demand directly to the end-customers, internal facilities, or both.
ITEM_CATEGORY_RK	NUMERIC(8)	This column contains the item category key.
ITEM_GROUP_CD	CHARACTER(10)	This column contains the code for the item group.
ITEM_PRICE_AMT	NUMERIC(8)	This column contains the current price per sale unit of the item.
ITEM_QTY_UOM_CD	CHARACTER(10)	This column contains the unit of measurement code for item quantity.
ITEM_RK	NUMERIC(8)	This column contains a retained key for an item. Source data for an item can come from multiple systems and the business-supplied keys might not be unique. A retained key is added in the ETL process to ensure that there is a unique identifier for every item.
ITEM_STATUS_CD	CHARACTER(10)	This column contains the code for the item status.
ITEM_TYPE_CD	CHARACTER(10)	This column contains the code for the item type.
KIT_ITEM_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item belongs to a kit or not.

Name	Data Type	Comment
KITTING_POINT_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item bundle is bundled at this facility or not.
LEAD_TM	NUMERIC(8)	This column contains the average lead time for transporting an item to a facility. The lead time must be an integral multiple of the base period.
LEAD_TM_MAX	NUMERIC(8)	This column contains the maximum lead time for transporting an item to a facility. The lead time must be an integral multiple of the base period.
LEAD_TM_MAX_NO	NUMERIC(8)	This column contains the maximum lead time (in days) for transporting an item to a facility.
LEAD_TM_MIN	NUMERIC(8)	This column contains the minimum lead time for transporting an item to a facility. The lead time must be an integral multiple of the base period.
LEAD_TM_MIN_NO	NUMERIC(8)	This column contains the minimum lead time (in days) for transporting an item to a facility.
LEAD_TM_NO	NUMERIC(8)	This column contains the average lead time (in days) for transporting an item to a facility.
MAX_ORDER_QTY	NUMERIC(8)	This column contains the maximum order size constraint for each facility and item pair.
MAX_STOCK_QTY	NUMERIC(8)	This column contains the maximum number of items that a facility can stock.
MIN_ORDER_QTY	NUMERIC(8)	This column contains the minimum order size constraint for each facility and item pair.
MRP_CONTROLLER_RK	NUMERIC(8)	This column contains a retained surrogate key for the MRP controller.
NETWORK_MODEL_NM	CHARACTER(40)	This column contains the name of the network model.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
NETWORKID	CHARACTER(32)	This column contains the network identifier.
NEXT_REPLENISH_NO	NUMERIC(8)	This column contains the number of periods when the first replenishment order can be made for each facility and item pair.
NODE_ID	CHARACTER(32)	This column contains the node identifier that represents a facility and item pair.

Name	Data Type	Comment
ORDERING_COST_AMT	NUMERIC(8)	This column contains the ordering cost for a part at a particular facility and item pair.
PBR_NO	NUMERIC(8)	This column contains the number of periods between two replenishment orders.
PENALTY_COST_AMT	NUMERIC(8)	This column contains the penalty cost for the delayed supply of one unit item at a particular facility for the base period.
PIPELINE_COST_AMT	NUMERIC(8)	This column contains the transportation cost of one part in transit from the predecessor facility to the successor facility.
POLICY_TYPE_CD	CHARACTER(10)	This column contains the policy type code definition for the facility and item pairs. The possible code values are: SS - (min-max), and BS - (Base stock)
PRIMARY_NETWORK_FLG	CHARACTER(1)	This column contains a flag that indicates whether the network is a primary network or a pooling network.
PRIMARY_ROUTE_FLG	CHARACTER(1)	This column contains a flag that indicates whether the route is a primary route in the network for the facility and item pair.
ROUTE_TYPE_NO	NUMERIC(8)	This column contains a number that indicates the type of route.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.
SERVICE_LEVEL	NUMERIC(8)	This column contains the service level that is supplied by the source system and used by the PROC MIRP.
SERVICE_TYPE_CD	CHARACTER(10)	This column contains the service type code definition for the facility and item pair. The possible code values are: RR - ready rate and FR - fill rate.
SKU_CD	CHARACTER(10)	This column contains the stock keeping unit (SKU) that is supplied by the source system.
STOCK_PROFILE_CD	CHARACTER(10)	This column defines the stock profile method.
STOCK_PROFILE_CLASS_NM	CHARACTER(40)	This column defines the stock profile class name.
STOCK_PROFILE_RANK_NO	NUMERIC(8)	This column defines the stock profile rank number.

Table 6.30 MIRP_<Base_Period>_OPT_MESSAGE_ART Table

Name	Data Type	Comment
FROM_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a predecessor facility in the network.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
MESSAGE_NO	NUMERIC(8)	This column contains the message number.
MIRP_DATASET	CHARACTER(200)	This column contains the name of the MIRP table.
MIRP_MESSAGE	CHARACTER(200)	This column contains the MIRP message.
MIRP_MESSAGE_SK	NUMERIC(8)	This column contains a surrogate key for an MIRP message.
MIRP_RUN_DTTM	NUMERIC(8)	This column contains the date and time details for MIRP run.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
PERIOD	NUMERIC(8)	This column contains the period in the horizon.
TO_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a successor facility in the network.

Table 6.31 MIRP_<Base_Period>_OUT_BEFORETRANS Table

Name	Data Type	Comment
ALLOCATED_QUANTITY	NUMERIC(8)	This column contains the quantity that is allocated to the successor facility.
BACKLOG_MEAN	NUMERIC(8)	This column contains the backlog mean value.
BACKLOG_VAR	NUMERIC(8)	This column contains the variance in the backlog mean value.
BACKORDER_RATIO	NUMERIC(8)	This column contains the backorder ratio value.
BATCH_SIZE_QTY	NUMERIC(8)	This column contains the fixed order size constraint for each facility and item pair. Orders are to be placed in multiples of batch size.
ECHELON	NUMERIC(8)	This column contains the echelon level of a facility and item pair within a network.
EXTERNAL_DEMAND_MEAN	NUMERIC(8)	This column contains the mean of the external demand value.
EXTERNAL_DEMAND_VAR	NUMERIC(8)	This column contains the variance of the external demand value.
FILL_RATE	NUMERIC(8)	This column contains the fill rate value.

Name	Data Type	Comment
FROM_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a predecessor facility in the network.
HOLDING_COST_AMT	NUMERIC(8)	This column contains the cost of holding one unit at a particular facility and item pair for the base period.
INTERNAL_DEMAND_MEAN	NUMERIC(8)	This column contains the mean of the internal demand value.
INTERNAL_DEMAND_VAR	NUMERIC(8)	This column contains the variance of the internal demand value.
INTERNAL_EXTERNAL_NODE_FLG	CHARACTER(1)	This column contains a flag that indicates whether the node supplies demand directly to the end-customers, internal facilities, or both.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
KITTING_POINT_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item bundle is bundled at this facility or not.
LEAD_TM	NUMERIC(8)	This column contains the average lead time for transporting an item to a facility. The lead time must be an integral multiple of the base period.
MIRP_RUN_DTTM	NUMERIC(8)	This column contains the date and time details for MIRP run.
MRP_CONTROLLER_RK	NUMERIC(8)	This column contains a retained surrogate key for the MRP controller.
NETWORK_MODEL_NM	CHARACTER(40)	This column contains the name of the network model.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
ONHAND_MEAN	NUMERIC(8)	This column contains the on-hand mean value.
ONHAND_VAR	NUMERIC(8)	This column contains the variance in the on-hand value.
OPTIMAL_RECEIPT	NUMERIC(8)	This column contains the optimal scheduled receipt.
ORDER_MEAN	NUMERIC(8)	This column contains the order mean value.
ORDER_UPTO_LEVEL	NUMERIC(8)	This column contains the order up-to level for a facility and item pair for each period in the planning horizon.
ORDER_VAR	NUMERIC(8)	This column contains the variance in the order value.
PERIOD	NUMERIC(8)	This column contains the period in the horizon.

Name	Data Type	Comment
PERIOD_DESC	NUMERIC(8)	This column contains the description of the time period of demand at each facility and item pair that is to be analyzed.
PIPELINE_MEAN	NUMERIC(8)	This column contains the pipeline mean value.
PIPELINE_VAR	NUMERIC(8)	This column contains the variance in the pipeline value.
PLANNED_RECEIPT_MEAN	NUMERIC(8)	This column contains the planned receipt mean value.
PLANNED_RECEIPT_VAR	NUMERIC(8)	This column contains the variance in the planned receipt value.
POLICY_TYPE_CD	CHARACTER(10)	This column contains the policy type code definition for the facility and item pairs. The possible code values are: SS - (min-max), and BS - (Base stock)
READY_RATE	NUMERIC(8)	This column contains the ready rate value.
REORDER_LEVEL	NUMERIC(8)	This column contains the reorder level of a facility and item pair for each period in the planning horizon.
SAFETY_STOCK	NUMERIC(8)	This column contains the safety stock value.
SERVICE_LEVEL	NUMERIC(8)	This column contains the service level that is supplied by the source system and used by the PROC MIRP.
SERVICE_TYPE_CD	CHARACTER(10)	This column contains the service type code definition for the facility and item pair. The possible code values are: RR - ready rate and FR - fill rate.
SHORTFALL_MEAN	NUMERIC(8)	This column contains the shortfall mean value.
SHORTFALL_VAR	NUMERIC(8)	This column contains the variance in the shortfall value.
STATUS	CHARACTER(12)	This column contains the status of the policy calculation for a facility and item pair.
TO_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a successor facility in the network.
UNIT_PENALTY_COST	NUMERIC(8)	This column contains the unit penalty cost.

Table 6.32 MIRP_<Base_Period>_PREDICT_KPI_ART Table

Name	Data Type	Comment
ALLOCATED_QUANTITY	NUMERIC(8)	This column contains the quantity that is allocated to the successor facility.
BACKLOG_MEAN	NUMERIC(8)	This column contains the backlog mean value.
BACKLOG_VAR	NUMERIC(8)	This column contains the variance in the backlog mean value.
BACKORDER_RATIO	NUMERIC(8)	This column contains the backorder ratio value.
BATCH_SIZE_QTY	NUMERIC(8)	This column contains the fixed order size constraint for each facility and item pair. Orders are to be placed in multiples of batch size.
ECHELON	NUMERIC(8)	This column contains the echelon level of a facility and item pair within a network.
EXTERNAL_DEMAND_MEAN	NUMERIC(8)	This column contains the mean of the external demand value.
EXTERNAL_DEMAND_VAR	NUMERIC(8)	This column contains the variance of the external demand value.
FILL_RATE	NUMERIC(8)	This column contains the fill rate value.
FROM_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a predecessor facility in the network.
HOLDING_COST_AMT	NUMERIC(8)	This column contains the cost of holding one unit at a particular facility and item pair for the base period.
INTERNAL_DEMAND_MEAN	NUMERIC(8)	This column contains the mean of the internal demand value.
INTERNAL_DEMAND_VAR	NUMERIC(8)	This column contains the variance of the internal demand value.
INTERNAL_EXTERNAL_NODE_FLG	CHARACTER(1)	This column contains a flag that indicates whether the node supplies demand directly to the end-customers, internal facilities, or both.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
KITTING_POINT_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item bundle is bundled at this facility or not.
LEAD_TM	NUMERIC(8)	This column contains the average lead time for transporting an item to a facility. The lead time must be an integral multiple of the base period.
MIRP_RUN_DTTM	NUMERIC(8)	This column contains the date and time details for MIRP run.

Name	Data Type	Comment
MRP_CONTROLLER_RK	NUMERIC(8)	This column contains a retained surrogate key for the MRP controller.
NETWORK_MODEL_NM	CHARACTER(40)	This column contains the name of the network model.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
ONHAND_MEAN	NUMERIC(8)	This column contains the on-hand mean value.
ONHAND_VAR	NUMERIC(8)	This column contains the variance in the on-hand value.
OPTIMAL_RECEIPT	NUMERIC(8)	This column contains the optimal scheduled receipt.
ORDER_MEAN	NUMERIC(8)	This column contains the order mean value.
ORDER_UPTO_LEVEL	NUMERIC(8)	This column contains the order up-to level for a facility and item pair for each period in the planning horizon.
ORDER_VAR	NUMERIC(8)	This column contains the variance in the order value.
PERIOD	NUMERIC(8)	This column contains the period in the horizon.
PERIOD_DESC	NUMERIC(8)	This column contains the description of the time period of demand at each facility and item pair that is to be analyzed.
PIPELINE_MEAN	NUMERIC(8)	This column contains the pipeline mean value.
PIPELINE_VAR	NUMERIC(8)	This column contains the variance in the pipeline value.
PLANNED_RECEIPT_MEAN	NUMERIC(8)	This column contains the planned receipt mean value.
PLANNED_RECEIPT_VAR	NUMERIC(8)	This column contains the variance in the planned receipt value.
POLICY_TYPE_CD	CHARACTER(10)	This column contains the policy type code definition for the facility and item pairs. The possible code values are: SS - (min-max), and BS - (Base stock)
READY_RATE	NUMERIC(8)	This column contains the ready rate value.
REORDER_LEVEL	NUMERIC(8)	This column contains the reorder level of a facility and item pair for each period in the planning horizon.
SAFETY_STOCK	NUMERIC(8)	This column contains the safety stock value.
SERVICE_LEVEL	NUMERIC(8)	This column contains the service level that is supplied by the source system and used by the PROC MIRP.

Name	Data Type	Comment
SERVICE_TYPE_CD	CHARACTER(10)	This column contains the service type code definition for the facility and item pair. The possible code values are: RR - ready rate and FR - fill rate.
SHORTFALL_MEAN	NUMERIC(8)	This column contains the shortfall mean value.
SHORTFALL_VAR	NUMERIC(8)	This column contains the variance in the shortfall value.
STATUS	CHARACTER(12)	This column contains the status of the policy calculation for a facility and item pair.
TO_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a successor facility in the network.
UNIT_PENALTY_COST	NUMERIC(8)	This column contains the unit penalty cost.

Table 6.33 MIRP_<Base_Period>_PREDICT_KPI_HIST_ART Table

Name	Data Type	Comment
ALLOCATED_QUANTITY	NUMERIC(8)	This column contains the quantity that is allocated to the successor facility.
BACKLOG_MEAN	NUMERIC(8)	This column contains the backlog mean value.
BACKLOG_VAR	NUMERIC(8)	This column contains the variance in the backlog mean value.
BACKORDER_RATIO	NUMERIC(8)	This column contains the backorder ratio value.
BATCH_SIZE_QTY	NUMERIC(8)	This column contains the fixed order size constraint for each facility and item pair. Orders are to be placed in multiples of batch size.
ECHELON	NUMERIC(8)	This column contains the echelon level of a facility and item pair within a network.
EXTERNAL_DEMAND_MEAN	NUMERIC(8)	This column contains the mean of the external demand value.
EXTERNAL_DEMAND_VAR	NUMERIC(8)	This column contains the variance of the external demand value.
FILL_RATE	NUMERIC(8)	This column contains the fill rate value.
FROM_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a predecessor facility in the network.
HOLDING_COST_AMT	NUMERIC(8)	This column contains the cost of holding one unit at a particular facility and item pair for the base period.
INTERNAL_DEMAND_MEAN	NUMERIC(8)	This column contains the mean of the internal demand value.
INTERNAL_DEMAND_VAR	NUMERIC(8)	This column contains the variance of the internal demand value.

Name	Data Type	Comment
INTERNAL_EXTERNAL_NODE_FLG	CHARACTER(1)	This column contains a flag that indicates whether the node supplies demand directly to the end-customers, internal facilities, or both.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
KITTING_POINT_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item bundle is bundled at this facility or not.
LEAD_TM	NUMERIC(8)	This column contains the average lead time for transporting an item to a facility. The lead time must be an integral multiple of the base period.
MIRP_RUN_DTTM	NUMERIC(8)	This column contains the date and time details for MIRP run.
MRP_CONTROLLER_RK	NUMERIC(8)	This column contains a retained surrogate key for the MRP controller.
NETWORK_MODEL_NM	CHARACTER(40)	This column contains the name of the network model.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
ONHAND_MEAN	NUMERIC(8)	This column contains the on-hand mean value.
ONHAND_VAR	NUMERIC(8)	This column contains the variance in the on-hand value.
OPTIMAL_RECEIPT	NUMERIC(8)	This column contains the optimal scheduled receipt.
ORDER_MEAN	NUMERIC(8)	This column contains the order mean value.
ORDER_UPTO_LEVEL	NUMERIC(8)	This column contains the order up-to level for a facility and item pair for each period in the planning horizon.
ORDER_VAR	NUMERIC(8)	This column contains the variance in the order value.
PERIOD	NUMERIC(8)	This column contains the period in the horizon.
PERIOD_DESC	NUMERIC(8)	This column contains the description of the time period of demand at each facility and item pair that is to be analyzed.
PIPELINE_MEAN	NUMERIC(8)	This column contains the pipeline mean value.
PIPELINE_VAR	NUMERIC(8)	This column contains the variance in the pipeline value.
PLANNED_RECEIPT_MEAN	NUMERIC(8)	This column contains the planned receipt mean value.
PLANNED_RECEIPT_VAR	NUMERIC(8)	This column contains the variance in the planned receipt value.

Name	Data Type	Comment
POLICY_TYPE_CD	CHARACTER(10)	This column contains the policy type code definition for the facility and item pairs. The possible code values are: SS - (min-max), and BS - (Base stock)
READY_RATE	NUMERIC(8)	This column contains the ready rate value.
REORDER_LEVEL	NUMERIC(8)	This column contains the reorder level of a facility and item pair for each period in the planning horizon.
SAFETY_STOCK	NUMERIC(8)	This column contains the safety stock value.
SERVICE_LEVEL	NUMERIC(8)	This column contains the service level that is supplied by the source system and used by the PROC MIRP.
SERVICE_TYPE_CD	CHARACTER(10)	This column contains the service type code definition for the facility and item pair. The possible code values are: RR - ready rate and FR - fill rate.
SHORTFALL_MEAN	NUMERIC(8)	This column contains the shortfall mean value.
SHORTFALL_VAR	NUMERIC(8)	This column contains the variance in the shortfall value.
STATUS	CHARACTER(12)	This column contains the status of the policy calculation for a facility and item pair.
TO_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a successor facility in the network.
UNIT_PENALTY_COST	NUMERIC(8)	This column contains the unit penalty cost.

Table 6.34 MTH_AGGREGATED_FORECAST_ART Table

Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error for the forecasted values.
START_DT	NUMERIC(8)	This column contains the start date for the demand period.

Name	Data Type	Comment
STD	NUMERIC(8)	This column contains the standard deviation for the period.

Table 6.35 MTH_FORECAST_OUTFOR_ART Table

Name	Data Type	Comment
NAME	CHARACTER(100)	This column contains a name of analysis variable considered. Here it is demand quantity.
ACTUAL	NUMERIC(8)	This column contains the actual demand quantity for the period.
ERROR	NUMERIC(8)	This column contains the error in prediction for the period.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
LOWER	NUMERIC(8)	This column contains the forecasted lower limit for the aggregated demand quantity for the period.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error for the forecasted values.
START_DT	NUMERIC(8)	This column contains the start date for the demand period.
STD	NUMERIC(8)	This column contains the standard deviation for the period.
UPPER	NUMERIC(8)	This column contains the forecasted upper limit for the aggregated demand quantity for the period.

Table 6.36 NPF_DEMAND_ABT_LESS_HISTORY Table

Name	Data Type	Comment
DEMAND_QTY	NUMERIC(8)	This column contains the demand order quantity for the demand period.
FAC_LOC_HIER_LVL<N>_NM	CHARACTER(40)	This column contains the location name at level N, where N is a number from 1 to 5.

Name	Data Type	Comment
FAC_LOC_HIER_LVL<N>_RK	NUMERIC(8)	This column contains a retained surrogate key for the location at level N, where N is a number from 1 to 5.
FACILITY_ID	CHARACTER(40)	This column contains an identifier for the facility that is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column contains a name for the facility that is generated by the source system.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
IND_VAR<N>	NUMERIC(8)	This column contains the value of an independent variable N, where N is a number between 1 to 5.
ITEM_CATEGORY_LVL<N>_NM	CHARACTER(40)	This column contains the item category name at level N, where N is a number from 1 to 10.
ITEM_CATEGORY_LVL<N>_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level N, where N is a number from 1 to 10.
ITEM_ID	CHARACTER(40)	This column contains an identifier for the item that is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
START_DT	NUMERIC(8)	This column contains the start date for the demand period.

Table 6.37 NPF_DMD_LESS_HIS_AGGR_ABT Table

Column Name	Data Type	Comment
DEMAND_QTY	NUMERIC(8)	This column contains the demand order quantity for the demand period.
FACILITY_ID	CHARACTER(32)	This column contains an identifier for the facility that is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column contains a name for the facility that is generated by the source system.

Column Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains the retained key for a unique facility. Source data for a facility can come from multiple systems and the business-supplied keys might not be unique.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
ITEM_ID	CHARACTER(32)	This column contains an identifier for the item that is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains the retained key for a unique item. Source data for an item can come from multiple systems and the business-supplied keys might not be unique.
START_DT	NUMERIC(8)	This column contains the start date for the demand period.

Table 6.38 QTR_AGGREGATED_FORECAST_ART Table

Column Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error for the forecasted values.
START_DT	NUMERIC(8)	This column contains the start date for the demand period.
STD	NUMERIC(8)	This column contains the standard deviation for the period.

Table 6.39 QTR_FORECAST_OUTFOR_ART Table

Column Name	Data Type	Comment
NAME	CHARACTER(100)	This column contains a name.
ACTUAL	NUMERIC(8)	This column contains the actual demand quantity for the period.
ERROR	NUMERIC(8)	This column contains the error in prediction for the period.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.

Column Name	Data Type	Comment
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
LOWER	NUMERIC(8)	This column contains the forecasted lower limit for the aggregated demand quantity for the period.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error for the forecasted values.
START_DT	NUMERIC(8)	This column contains the start date for the demand period.
STD	NUMERIC(8)	This column contains the standard deviation for the period.
UPPER	NUMERIC(8)	This column contains the forecasted upper limit for the aggregated demand quantity for the period.

Table 6.40 TRANS_<Base_Period>_ALERTDATA_IN_ABT Table

Column Name	Data Type	Comment
BATCH_ID	NUMERIC(8)	This column contains the batch identifier.
CUM_DIFF	NUMERIC(8)	This column contains the cumulative difference amount.
CURRENT_AMOUNT	NUMERIC(8)	This column contains the current inventory amount.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
NETWORKID	CHARACTER(32)	This column contains the network identifier.
NODE_ID	CHARACTER(32)	This column contains the node identifier that represents the facility and item pair.
OPTIMAL_AMOUNT	NUMERIC(8)	This column contains the optimal scheduled receipt amount.
PERIOD	NUMERIC(8)	This column contains the period in the horizon.

Table 6.41 TRANS_<Base_Period>_ALERTDATA_TYPE_ABT Table

Column Name	Data Type	Comment
ALERT_TYPE	NUMERIC(8)	This column contains the type of alert.
BATCH_ID	NUMERIC(8)	This column contains the batch identifier.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
NETWORKID	CHARACTER(32)	This column contains the network identifier.
NODE_ID	CHARACTER(32)	This column contains the node identifier that represents the facility and item pair.

Table 6.42 TRANS_<Base_Period>_NODE_DATA_ABT Table

Column Name	Data Type	Comment
BATCH_ID	NUMERIC(8)	This column contains the batch identifier.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
HOLDING_COST_AMT	NUMERIC(8)	This column contains the cost of holding one unit at a particular facility and item pair for the base period.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
NETWORKID	CHARACTER(32)	This column contains the network identifier.
NODE_ID	CHARACTER(32)	This column contains the node identifier that represents the facility and item pair.
PENALTY_COST_AMT	NUMERIC(8)	This column contains the penalty cost for the delayed supply of one unit item at a particular facility for the base period.

Table 6.43 TRANS_<Base_Period>_NODEARC_DATA_ABT Table

Column Name	Data Type	Comment
BATCH_ID	NUMERIC(8)	This column contains the batch identifier.
BATCH_SIZE_QTY	NUMERIC(8)	This column contains the fixed order size constraint for each facility and item pair. Orders are to be placed in multiples of batch size.
FROM_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a predecessor facility in the network.
FROM_NODE_ID	CHARACTER(32)	This column contains the node identifier that represents the predecessor facility and item pair.
HOLD_COST_TRANS_RT	NUMERIC(8)	This column contains the holding cost during transition ratio.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
LEAD_TM	NUMERIC(8)	This column contains the average lead time for transporting an item to a facility. The lead time must be an integral multiple of the base period.
LEAD_TM_NO	NUMERIC(8)	This column contains the average lead time (in days) for transporting an item to a facility.
MAX_ORDER_QTY	NUMERIC(8)	This column contains the maximum order size constraint for each facility and item pair.
MIN_ORDER_QTY	NUMERIC(8)	This column contains the minimum order size constraint for each facility and item pair.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
NETWORKID	CHARACTER(32)	This column contains the network identifier.
ORDERING_COST_AMT	NUMERIC(8)	This column contains the ordering cost for a part at a particular facility and item pair.
PIPELINE_COST_AMT	NUMERIC(8)	This column contains the transportation cost of one part in transit from the predecessor to the successor.
ROUTE_TYPE_NO	NUMERIC(8)	This column contains a number that indicates the type of route.
TO_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a successor facility in the network.
TO_NODE_ID	CHARACTER(32)	This column contains the node identifier that represents the successor facility and item pair.

Table 6.44 TRANS_<Base_Period>_SHIPIN_PERIOD_SUMMARY Table

Column Name	Data Type	Comment
ALTERNATE_RECEIPT	NUMERIC(8)	This column contains the suggested delivery from the alternative channels.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
PERIOD	NUMERIC(8)	This column contains the period in the horizon.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.
TO_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a successor facility in the network.

Table 6.45 TRANS_<Base_Period>_SHIPOUT_SUMMARY Table

Column Name	Data Type	Comment
FROM_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a predecessor facility in the network.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.
TOTAL_SHIPOUT_QTY	NUMERIC(8)	This column contains the total quantity from transshipment.

Table 6.46 TRANSSHIP_<Base_Period>_SHIPIN_SUMMARY Table

Column Name	Data Type	Comment
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.
SUG_ORDER_FROM_ALTERNATE	NUMERIC(8)	This column contains the suggested order from the alternative channels.
TO_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a successor facility in the network.

Table 6.47 TRANSSHIPMENT_<Base_Period>_ART Table

Column Name	Data Type	Comment
COST_AFTER_TRANSSHIPMENT	NUMERIC(8)	This column contains the total network cost after transshipment.
COST_BEFORE_TRANSSHIPMENT	NUMERIC(8)	This column contains the total network cost before transshipment.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
KIT_ITEMS_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item belongs to a kit or not.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.

Table 6.48 TRANSSHIPMENT_<Base_Period>_SUMMARY_ART Table

Column Name	Data Type	Comment
ALTERNATE_RECEIPT	NUMERIC(8)	This column contains the suggested delivery from the alternative channels.
FROM_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a predecessor facility in the network.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
PERIOD	NUMERIC(8)	This column contains the period in the horizon.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.
TO_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a successor facility in the network.

Table 6.49 TRANSSHIPMENT_COST_<Base_Period>_ART Table

Column Name	Data Type	Comment
COST_AFTER_TRANSSHIPMENT	NUMERIC(8)	This column contains the total network cost after transshipment.
COST_BEFORE_TRANSSHIPMENT	NUMERIC(8)	This column contains the total network cost before transshipment.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
KIT_ITEMS_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item belongs to a kit or not.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.

Table 6.50 UNFORECASTED_FACILITY_ITEM Table

Column Name	Data Type	Comment
FACILITY_NM	CHARACTER(40)	This column contains a name for the facility that is generated by the source system.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.

Table 6.51 WK_AGGREGATED_FORECAST_ART Table

Column Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error for the forecasted values.
START_DT	NUMERIC(8)	This column contains the start date for the demand period.

Table 6.52 WK_FORECAST_OUTFOR_ART Table

Column Name	Data Type	Comment
NAME	CHARACTER(100)	This column contains a name of analysis variable considered. Here it is demand quantity.
ACTUAL	NUMERIC(8)	This column contains the actual demand quantity for the period.
ERROR	NUMERIC(8)	This column contains the error in prediction for the period.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
LOWER	NUMERIC(8)	This column contains the forecasted lower limit for the aggregated demand quantity for the period.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error for the forecasted values.
START_DT	NUMERIC(8)	This column contains the start date for the demand period.
STD	NUMERIC(8)	This column contains the standard deviation for the period.

Column Name	Data Type	Comment
UPPER	NUMERIC(8)	This column contains the forecasted upper limit for the aggregated demand quantity for the period.

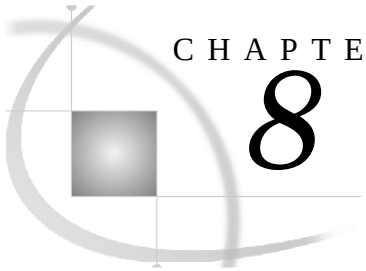
CHAPTER 7

Descriptions of Stageout Tables

The following table provides descriptions of all the stageout tables that contain information to be submitted to the Enterprise Resource Planning system. The tables are listed in alphabetical order.

Table 7.1 Stageout Tables

No.	Name	Comment
1.	IO_POLICY_OPT_PARAMS	This table stores the reorder level, order-up-to level, and safety stock details for a facility and item pair for each period in the planning horizon.
2.	ORDER_DETAIL	This table contains details of each order for low stock items, such as user name, facility name, item name, source type, source name, lead time, order quantity, transfer cost, and so on.
3.	SCEN_PROMOTED_VAL	This table contains the promoted value of the metrics service level, unit cost, and lead time.



CHAPTER 8

Descriptions of Stageout Table Columns

The following table provides descriptions of all the columns in a particular stageout table. A stageout table contains information to be submitted to the Enterprise Resource Planning system. The tables are listed in alphabetical order.

Table 8.1 IO_POLICY_OPT_PARAMS Table

Name	Data Type	Comment
FACILITY_RK	Numeric(8)	This column stores a retained surrogate key for a facility.
ITEM_RK	Numeric(8)	This column stores a retained surrogate key for an item.
MIRP_RUN_DTTM	Numeric(8)	This column contains the date and time details for MIRP run.
ORDER_UPTO_LEVEL	Numeric(8)	This column contains the order-up-to level for a facility and item pair for each period in the planning horizon.
PERIOD	Numeric(8)	This column contains the period in the horizon.
PERIOD_DESC	Numeric(8)	This column contains actual date information for each period in the horizon.
REORDER_LEVEL	Numeric(8)	This column contains the reorder level of a facility and item pair for each period in the planning horizon.
SAFETY_STOCK	Numeric(8)	This column contains the safety stock value.

Table 8.2 ORDER_DETAIL Table

Name	Data Type	Comment
ASSEMBLY_FLG	Character(1)	This column contains a flag that indicates whether the item is assembled or not.
DELIVERY_DAYS	Numeric(8)	This column contains the average lead time for transporting an item to a facility (in days).
FACILITY_ID	Character(32)	This column contains the business key for a facility.
FACILITY_NM	Character(40)	This column contains the facility name.
FACILITY_RK	Numeric(8)	This column stores a retained surrogate key for a facility.
FROM_FACILITY_RK	Numeric(8)	This column contains a retained surrogate key for the predecessor facility.

Name	Data Type	Comment
INVENTORY_EXCESS	Numeric(8)	This column contains the excess inventory details.
INVENTORY_SHORTAGE	Numeric(8)	This column contains the inventory shortage value.
ITEM_GROUP_DESC	Character(255)	This column contains description of the item group.
ITEM_ID	Character(32)	This column contains the business key for each item.
ITEM_INCEPTION	Character(255)	This column contains description of the item inception type depending on whether the item is made or bought.
ITEM_NM	Character(40)	This column contains the name of each item.
ITEM_RK	Numeric(8)	This column stores a retained surrogate key for an item.
ITEM_STATUS_DESC	Character(255)	This column contains description of the item status.
ITEM_TYPE_DESC	Character(255)	This column contains description of the item type.
KIT_ITEM_IND	Numeric(8)	This column contains an indicator that suggests whether the item is a kit item or not.
KITTING_POINT_IND	Numeric(8)	This column contains an indicator that suggests whether the item is bundled at this facility or not.
NETWORK_MODEL_RK	Numeric(8)	This column contains a retained surrogate key for a network model.
OPTIMAL_ONHAND	Numeric(8)	This column contains the optimal on-hand inventory after transshipment.
ORDER_AMOUNT	Numeric(8)	This column contains the order amount.
ORDER_EDIT_IND	Numeric(8)	This column contains an indicator that suggests whether the suggested order is edited or not.
ORDER_EDITOR_RK	Numeric(8)	This column contains a retained surrogate key for the user who edits the order.
ORDER_EXCEEDS_MAX_QTY_IND	Numeric(8)	This column contains an indicator that suggests whether the order quantity exceeds the maximum order quantity value or not.
ORDER_MAX	Numeric(8)	This column stores the maximum order quantity for a facility and item pair.
ORDER_SOURCE_ID	Character(32)	This column contains a unique identifier for the source facility of the order.
ORDER_SOURCE_NM	Character(40)	This column contains the source name.
ORDERING_COST_AMT	Numeric(8)	This column stores the fixed ordering cost for the facility and item pair.
PLAN_ID	Character(20)	This column contains the plan identifier.

Name	Data Type	Comment
PRIMARY_VENDOR_IND	Numeric(8)	This column contains an indicator that suggests whether the vendor is a primary vendor or not.
PROMOTION_DTTM	Numeric(8)	This column contains the date and time details when the order was promoted.
REPL_PLAN_TYPE	Numeric(8)	This column contains the code that indicates the replenishment plan type. 0 - Primary, 1 - Primary and Alternative, 2 - Partial, and 3 - Incomplete.
SAFETY_STOCK	Numeric(8)	This column stores the safety stock value.
SOURCE_TYPE	Numeric(8)	This column stores the source type. Possible values are: 0 - Primary channel, 1 - Alternate channel.
SUBSTITUTE_FACILITY_ID	Character(32)	This column contains a unique identifier for the facility where the substitute item is available.
SUBSTITUTE_FACILITY_NM	Character(40)	This column contains the name of the facility where the substitute item is available.
SUBSTITUTE_FACILITY_RK	Numeric(8)	This column contains a retained surrogate key for the facility where the substitute item is available.
SUBSTITUTE_ITEM_ID	Character(32)	This column contains a unique identifier for the substitute item.
SUBSTITUTE_ITEM_IND	Numeric(8)	This column contains an indicator that suggests whether the substitute item is available or not.
SUBSTITUTE_ITEM_NM	Character(40)	This column contains the name of the substitute item.
SUBSTITUTE_ITEM_RK	Numeric(8)	This column contains a retained surrogate key for the substitute item.
TRANSFER_COST	Numeric(8)	This column contains the transfer cost of the item.
TRANSFER_MODE	Character(255)	This column contains the mode of transfer details.
USER_NM	Character(150)	This column contains the user's name.
USER_RK	Numeric(8)	This column contains an incremental key for the MRP controller.
VENDOR_ID	Character(32)	This column contains a unique identifier for the vendor.
VENDOR_NM	Character(40)	This column contains name of the vendor.
VENDOR_RK	Numeric(8)	This column contains a retained surrogate key for a vendor.

Table 8.3 SCEN_PROMOTED_VAL Table

Name	Data Type	Comment
FACILITY_ID	Character(32)	This column contains the business key for each facility.
FACILITY_NM	Character(40)	This column contains the name of each facility.
FACILITY_RK	Numeric(8)	This column stores a retained surrogate key for a facility.
ITEM_ID	Character(32)	This column contains the business key for each item.
ITEM_NM	Character(40)	This column contains the name of each item.
ITEM_RK	Numeric(8)	This column stores a retained surrogate key for an item.
LEAD_TM_NO	Numeric(8)	This column contains the promoted value of lead time (in days).
PROMOTED_BY	Character(32)	This column contains the name of the user who promoted the scenario.
PROMOTION_DTTM	Numeric(8)	This column contains date and time details when the scenario is promoted.
SCENARIO_ID	Character(32)	This column contains the unique identifier for the scenario.
SCENARIO_NM	Character(40)	This column contains the name of the scenario.
SERVICE_LEVEL_PCT	Numeric(8)	This column contains the promoted value of service level (in percentage).
SET_NM	Character(32)	This column contains the name of the promoted set.
UNIT_COST	Numeric(8)	This column contains the promoted value of unit cost.

CHAPTER 9

Descriptions of Table Server Database Tables

The following table provides descriptions of all the table server database tables. The tables are listed in alphabetical order.

Table 9.1 Table Server Database Tables

No.	Name	Comment
1.	DP_DETAIL_INTERMITTENT	This table contains the actual and predicted values for all the time series that belong to the intermittent demand forecast results group for the current forecast batch run. This table is used to display information in the Forecast Management workspace.
2.	DP_DETAIL_LOW_ACCURACY	This table contains the actual and predicted values for all the time series that belong to the low accuracy forecast results group for the current forecast batch run. This table is used to display information in the Forecast Management workspace.
3.	DP_DETAIL_NORMAL	This table contains the actual and predicted values for all the time series that belong to the normal forecast results group for the current forecast batch run. This table is used to display information in the Forecast Management workspace.
4.	DP_DETAIL_REVISITED	This table contains the actual and predicted values for all the time series that belong to the revisited forecast results group for the current forecast batch run. This table is used to display information in the Forecast Management workspace.
5.	DP_DETAIL_SUCCESSOR	This table contains the actual and predicted values for all the time series that belong to the forecast results for successor items group for the current forecast batch run. This table is used to display information in the Forecast Management workspace.
6.	EDIT_SUGGESTED_ORDER	This table stores details of the edited order.
7.	EVALUATE_FORECAST_PARAMETER	This table contains the input parameters that are provided from the user interface when reforecasting is performed at time series level.

No.	Name	Comment
8.	FORECAST_DATA_PARAM	This table stores details of the time series that is selected for reforecasting in SAS Forecast Studio.
9.	FORECAST_RESULT	This table contains the number of time series that belong to the normal, revisited, and low accuracy forecast value groups. The table details are used to display information in the Forecast Management workspace.
10.	HPF_PREFERENCES_UI_FG	This table stores the parameter values at forecast group level that are selected from the user interface.
11.	HPF_PREFERENCES_UI_SG	This table stores the parameter values at subgroup level that are selected from the user interface.
12.	HPF_PREFERENCES_UI_TS	This table stores the parameter values at time series level that are selected from the user interface.
13.	ITEM_EDIT_STATUS	This table stores the edit status that is required for order editing.
14.	IO_METRICS_ALERTSETTINGS	This table stores the alert setting details that are required for the user interface. The table stores the upper and lower control limits for all the key performance indicators.
15.	LOCK_PLAN_SETTING	This table stores settings for locking the replenishment plans.
16.	MIDOUTLEVEL_DETAIL	This table stores the logon ID and forecast group details when the middle out option is selected on the user interface.
17.	NO_HISTORY_DP_DETAIL	This table contains actual and predicted demand values for facility and item pairs that have insufficient amount of available historical demand for the HPF procedures to produce correct forecast results. The table also contains the actual demand quantity and user-given forecasted quantity in the batch process run date. This table is used to display information in the Forecast Management workspace.
18.	NO_HISTORY_TIMESERIES_DETAIL	This table contains the actual and user-predicted demand values for time series for all the facility and item pair with insufficient demand history. This table is used by the Forecast Management module.
19.	PROMOTE_ORDER_PARAMS	This table stores the status of the promoted orders.
20.	REPL_PLAN_DETAIL	This table stores details of the replenishment plan for low stock items.
21.	REPL_PLAN_SUMMARY	This table stores a summary of the replenishment plan for low stock items.

No.	Name	Comment
22.	SCENARIO_PARAMS	This table stores input setting details of a scenario that are provided while creating a scenario. This table is for internal use only.
23.	SCENARIOS	This table stores information about a scenario such as, scenario name, description, creation date, notification information, and so on. This table is for internal use only.
24.	SUGGESTED_ORDER_DETAIL	This table stores details of each order for the low stock items, such as user name, facility name, item name, source type, source name, lead time, order quantity, transfer cost, and so on.
25.	USER_PREFERENCES	This table stores sort preferences that are specified by the user in the views of the Inventory Analysis workspace. This table is for internal use only.

CHAPTER 10

Descriptions of Table Server Database Table Columns

The following table provides descriptions of all the columns in a particular table server database (TSDB) table. The tables are listed in alphabetical order.

Table 10.1 DP_DETAIL_INTERMITTENT Table

Name	Data Type	Comment
ACTUAL	NUMERIC(8)	This column contains the actual demand quantity for the period.
BUCKET_NM	NUMERIC(8)	This column contains the forecast accuracy bucket or group name.
BUYER_NM	CHARACTER(150)	This column stores the name of the buyer of the item at a given facility.
DEFAULT_FLG	NUMERIC(8)	This column contains a flag that is used for default value on the user interface.
ERROR	NUMERIC(8)	This column stores the error in prediction for the period.
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility. The identifier is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column stores the name of a facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FACILITY_TYPE_CD	CHARACTER(10)	This column stores the type code for the facility.
FACILITY_TYPE_DESC	CHARACTER(255)	This column stores the type description for the facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
FORECAST_SUBGROUP_CD	CHARACTER(10)	This column stores a unique key for a forecast subgroup. The key is defined by the implementation team.
FORECASTED_DEMAND	NUMERIC(8)	This column contains the forecasted demand quantity for the period.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.

Name	Data Type	Comment
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_TYPE_CD	CHARACTER(10)	This column contains the type code for the item.
ITEM_TYPE_DESC	CHARACTER(255)	This column contains the type description for the item.
LOWER	NUMERIC(8)	This column contains the forecasted lower limit for the aggregated demand quantity for the period.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.
ONE_TIME_BUY	NUMERIC(8)	This column contains the one-time buy estimate value.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error.
START_DT	NUMERIC(8)	This column contains the demand start date.
STD	NUMERIC(8)	This column contains the standard deviation for period.
SUCCESSOR_ITEM_FLG	NUMERIC(8)	This column contains a flag that indicates whether the item is a successor item or not.
UPPER	NUMERIC(8)	This column contains the forecasted upper limit for the aggregated demand quantity for the period.
VENDOR_NM	CHARACTER(40)	This column contains the name of the vendor.

Table 10.2 DP_DETAIL_LOW_ACCURACY Table

Name	Data Type	Comment
ACTUAL	NUMERIC(8)	This column contains the actual demand quantity for the period.
BUCKET_NM	NUMERIC(8)	This column contains the forecast accuracy bucket or group name.
BUYER_NM	CHARACTER(150)	This column stores the name of the buyer of the item at a given facility.
DEFAULT_FLG	NUMERIC(8)	This column contains a flag that is used for default value on the user interface.
ERROR	NUMERIC(8)	This column stores the error in prediction for the period.
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility. The identifier is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column stores the name of a facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.

Name	Data Type	Comment
FACILITY_TYPE_CD	CHARACTER(10)	This column stores the type code for the facility.
FACILITY_TYPE_DESC	CHARACTER(255)	This column stores the type description for the facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
FORECAST_SUBGROUP_CD	CHARACTER(10)	This column stores a unique key for a forecast subgroup. The key is defined by the implementation team.
FORECASTED_DEMAND	NUMERIC(8)	This column contains the forecasted demand quantity for the period.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_TYPE_CD	CHARACTER(10)	This column contains the type code for the item.
ITEM_TYPE_DESC	CHARACTER(255)	This column contains the type description for the item.
LOWER	NUMERIC(8)	This column contains the forecasted lower limit for the aggregated demand quantity for the period.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.
ONE_TIME_BUY	NUMERIC(8)	This column contains the one-time buy estimate value.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error.
START_DT	NUMERIC(8)	This column contains the demand start date.
STD	NUMERIC(8)	This column contains the standard deviation for period.
SUCCESSOR_ITEM_FLG	NUMERIC(8)	This column contains a flag that indicates whether the item is a successor item or not.
UPPER	NUMERIC(8)	This column contains the forecasted upper limit for the aggregated demand quantity for the period.
VENDOR_NM	CHARACTER(40)	This column contains the name of the vendor.

Table 10.3 DP_DETAIL_NORMAL Table

Name	Data Type	Comment
ACTUAL	NUMERIC(8)	This column contains the actual demand quantity for the period.
BUCKET_NM	NUMERIC(8)	This column contains the forecast accuracy bucket or group name.
BUYER_NM	CHARACTER(150)	This column stores the name of the buyer of the item at a given facility.
DEFAULT_FLG	NUMERIC(8)	This column contains a flag that is used for default value on the user interface.
ERROR	NUMERIC(8)	This column stores the error in prediction for the period.
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility. The identifier is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column stores the name of a facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FACILITY_TYPE_CD	CHARACTER(10)	This column stores the type code for the facility.
FACILITY_TYPE_DESC	CHARACTER(255)	This column stores the type description for the facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
FORECAST_SUBGROUP_CD	CHARACTER(10)	This column stores a unique key for a forecast subgroup. The key is defined by the implementation team.
FORECASTED_DEMAND	NUMERIC(8)	This column contains the forecasted demand quantity for the period.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_TYPE_CD	CHARACTER(10)	This column contains the type code for the item.
ITEM_TYPE_DESC	CHARACTER(255)	This column contains the type description for the item.
LOWER	NUMERIC(8)	This column contains the forecasted lower limit for the aggregated demand quantity for the period.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.

Name	Data Type	Comment
ONE_TIME_BUY	NUMERIC(8)	This column contains the one-time buy estimate value.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error.
START_DT	NUMERIC(8)	This column contains the demand start date.
STD	NUMERIC(8)	This column contains the standard deviation for period.
SUCCESSOR_ITEM_FLG	NUMERIC(8)	This column contains a flag that indicates whether the item is a successor item or not.
UPPER	NUMERIC(8)	This column contains the forecasted upper limit for the aggregated demand quantity for the period.
VENDOR_NM	CHARACTER(40)	This column contains the name of the vendor.

Table 10.4 DP_DETAIL_REVISITED Table

Name	Data Type	Comment
ACTUAL	NUMERIC(8)	This column contains the actual demand quantity for the period.
BUCKET_NM	NUMERIC(8)	This column contains the forecast accuracy bucket or group name.
BUYER_NM	CHARACTER(150)	This column stores the name of the buyer of the item at a given facility.
DEFAULT_FLG	NUMERIC(8)	This column contains a flag that is used for default value on the user interface.
ERROR	NUMERIC(8)	This column stores the error in prediction for the period.
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility. The identifier is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column stores the name of a facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FACILITY_TYPE_CD	CHARACTER(10)	This column stores the type code for the facility.
FACILITY_TYPE_DESC	CHARACTER(255)	This column stores the type description for the facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
FORECAST_SUBGROUP_CD	CHARACTER(10)	This column stores a unique key for a forecast subgroup. The key is defined by the implementation team.
FORECASTED_DEMAND	NUMERIC(8)	This column contains the forecasted demand quantity for the period.

Name	Data Type	Comment
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_TYPE_CD	CHARACTER(10)	This column contains the type code for the item.
ITEM_TYPE_DESC	CHARACTER(255)	This column contains the type description for the item.
LOWER	NUMERIC(8)	This column contains the forecasted lower limit for the aggregated demand quantity for the period.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.
ONE_TIME_BUY	NUMERIC(8)	This column contains the one-time buy estimate value.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error.
START_DT	NUMERIC(8)	This column contains the demand start date.
STD	NUMERIC(8)	This column contains the standard deviation for period.
SUCCESSOR_ITEM_FLG	NUMERIC(8)	This column contains a flag that indicates whether the item is a successor item or not.
UPPER	NUMERIC(8)	This column contains the forecasted upper limit for the aggregated demand quantity for the period.
VENDOR_NM	CHARACTER(40)	This column contains the name of the vendor.

Table 10.5 DP_DETAIL_SUCCESSOR Table

Name	Data Type	Comment
ACTUAL	NUMERIC(8)	This column contains the actual demand quantity for the period.
BUCKET_NM	NUMERIC(8)	This column contains the forecast accuracy bucket or group name.
BUYER_NM	CHARACTER(150)	This column stores the name of the buyer of the item at a given facility.
DEFAULT_FLG	NUMERIC(8)	This column contains a flag that is used for default value on the user interface.
ERROR	NUMERIC(8)	This column stores the error in prediction for the period.

Name	Data Type	Comment
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility. The identifier is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column stores the name of a facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FACILITY_TYPE_CD	CHARACTER(10)	This column stores the type code for the facility.
FACILITY_TYPE_DESC	CHARACTER(255)	This column stores the type description for the facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
FORECAST_SUBGROUP_CD	CHARACTER(10)	This column stores a unique key for a forecast subgroup. The key is defined by the implementation team.
FORECASTED_DEMAND	NUMERIC(8)	This column contains the forecasted demand quantity for the period.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_TYPE_CD	CHARACTER(10)	This column contains the type code for the item.
ITEM_TYPE_DESC	CHARACTER(255)	This column contains the type description for the item.
LOWER	NUMERIC(8)	This column contains the forecasted lower limit for the aggregated demand quantity for the period.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.
ONE_TIME_BUY	NUMERIC(8)	This column contains the one-time buy estimate value.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error.
START_DT	NUMERIC(8)	This column contains the demand start date.
STD	NUMERIC(8)	This column contains the standard deviation for period.
SUCCESSOR_ITEM_FLG	NUMERIC(8)	This column contains a flag that indicates whether the item is a successor item or not.
UPPER	NUMERIC(8)	This column contains the forecasted upper limit for the aggregated demand quantity for the period.

Name	Data Type	Comment
VENDOR_NM	CHARACTER(40)	This column contains the name of the vendor.

Table 10.6 EDIT_SUGGESTED_ORDER_DETAIL Table

Name	Data Type	Comment
ASSEMBLY_FLG	CHARACTER(3)	This column contains a flag that indicates whether the item is assembled or not.
DELIVERY_DAYS	NUMERIC(8)	This column contains the average lead time (in days) for transporting an item to a facility.
FACILITY_NM	CHARACTER(40)	This column contains the facility name.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FROM_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for the predecessor facility.
INVENTORY_EXCESS	NUMERIC(8)	This column contains the inventory excess amount.
ITEM_GROUP_DESC	CHARACTER(765)	This column contains a description for the item group.
ITEM_INCEPTION	CHARACTER(765)	This column contains a description of whether the item is made or bought.
ITEM_NM	CHARACTER(120)	This column contains the name of the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_STATUS_DESC	CHARACTER(765)	This column contains a description of the item status.
ITEM_TYPE_DESC	CHARACTER(765)	This column contains a description of the item type.
LOCK_ORDER_IND	NUMERIC(8)	This column contains an indicator of whether the order is locked or not.
ORDER_AMOUNT	NUMERIC(8)	This column contains the order amount.
ORDER_SOURCE	CHARACTER(120)	This column contains the order source name.
PLAN_ID	CHARACTER(60)	This column contains the plan identifier.
REPL_PLAN_TYPE	NUMERIC(8)	This column contains the replenishment plan type. The possible values are: 0 - Primary, 1 - Primary and Alternative, 2 - Partial, and 3 - Incomplete.
SOURCE_TYPE	NUMERIC(8)	This column stores the source type. Possible values are: 0 - Primary channel, 1 - Alternate channel.
TRANSFER_COST	NUMERIC(8)	This column stores the transfer cost.
TRANSFER_MODE	CHARACTER(765)	This column stores the mode of transfer.
USER_NM	CHARACTER(450)	This column stores the user name.
USER_RK	NUMERIC(8)	This column stores a retained surrogate key for an MRP controller.
VENDOR_NM	CHARACTER(120)	This column stores the name of the vendor.

Name	Data Type	Comment
VENDOR_RK	NUMERIC(8)	This column contains a retained surrogate key for a vendor.

Table 10.7 EVALUATE_FORECAST_PARAMETER Table

Name	Data Type	Comment
BUCKET_TYPE	NUMERIC(8)	This column stores the name of the forecast result type. For example, normal, revisited, and so on.
DEFAULT_FLG	NUMERIC(8)	This column contains a flag that is used for default value on the user interface.
DIAG_ARIMAX_CRITERION	NUMERIC(8)	This column contains a criterion for the tentative ARMA order selection.
DIAG_ARIMAX_DEN1	NUMERIC(8)	This column contains a number that specifies the lower range of the denominator order of the transfer function.
DIAG_ARIMAX_DEN2	NUMERIC(8)	This column contains a number that specifies the upper range of the denominator order of the transfer function.
DIAG_ARIMAX_ESTMETHOD	NUMERIC(8)	This column stores the method for choosing the tentative ARMA orders.
DIAG_ARIMAX_IDENTIFY	NUMERIC(8)	This column specifies the identification order when inputs and events are specified.
DIAG_ARIMAX_INCLUDE_INTERCEPT	NUMERIC(8)	This column contains a flag that indicates whether constant is to be included or not.
DIAG_ARIMAX_NUM1	NUMERIC(8)	This column contains a number that specifies the lower range of the numerator order of the transfer function.
DIAG_ARIMAX_NUM2	NUMERIC(8)	This column contains a number that specifies the upper range of the numerator order of the transfer function.
DIAG_ARIMAX_OUTLIER_DETECT	NUMERIC(8)	This column contains an indicator that specifies whether to detect outliers while forecasting or not.
DIAG_ARIMAX_P1	NUMERIC(8)	This column contains a number that specifies the lower range of nonseasonal AR order.
DIAG_ARIMAX_P2	NUMERIC(8)	This column contains a number that specifies the upper range of nonseasonal AR order.
DIAG_ARIMAX_P3	NUMERIC(8)	This column contains a number that specifies the lower range of seasonal AR order.
DIAG_ARIMAX_P4	NUMERIC(8)	This column contains a number that specifies the upper range of seasonal AR order.
DIAG_ARIMAX_Q1	NUMERIC(8)	This column contains a number that specifies the minimum value of nonseasonal MA order.
DIAG_ARIMAX_Q2	NUMERIC(8)	This column contains a number that specifies the maximum value of nonseasonal MA order.

Name	Data Type	Comment
DIAG_ARIMAX_Q3	NUMERIC(8)	This column contains a number that specifies the lower range of seasonal MA order.
DIAG_ARIMAX_Q4	NUMERIC(8)	This column contains a number that specifies the upper range of seasonal MA order.
DIAG_ARIMAX_SIGLEVEL	NUMERIC(8)	This column specifies the significance level that is used as a cutoff value to decide the AR and MA orders.
DIAG_DELAYEVENT	NUMERIC(8)	This column specifies the delay lag for the events.
DIAG_DELAYINPUT	NUMERIC(8)	This column specifies the delay lag for inputs.
DIAG_ENTRYPCT	NUMERIC(8)	This column specifies a threshold to check the percentage increment of the criterion between two candidate models.
DIAG_ESM_METHOD	NUMERIC(8)	This column contains a flag that indicates whether the ESM model is used for forecasting.
DIAG_IDM_BASE	NUMERIC(8)	This column specifies the base value of the time series that is used to determine the demand series components for the auto option.
DIAG_IDM_BASE_POS_INT	NUMERIC(8)	This column contains an indicator that specifies the base value of the time series that is used to determine the demand series components other than auto.
DIAG_IDM_INTERMITTENT	NUMERIC(8)	This column contains a number that is used to determine whether a time series is intermittent.
DIAG_INCLUDE_ARIMAX	NUMERIC(8)	This column contains a flag that indicates whether the ARIMAX model is used for forecasting.
DIAG_INCLUDE_ESM	NUMERIC(8)	This column contains a flag that indicates whether the ESM model is used for forecasting.
DIAG_INCLUDE_UCM	NUMERIC(8)	This column contains a flag that indicates whether the UCM model is used for forecasting.
DIAG_INPUT_ACCUMULATE<N>	NUMERIC(8)	This column specifies how the table observations are accumulated within each time period for the independent variable N. Here, N is a number from 1 to 10. There exists one column for every N.
DIAG_INPUT_REQUIRED<N>	NUMERIC(8)	This column contains an indicator that suggests whether the independent input variable N is required or not. Here, N is a number from 1 to 10. There exists one column for every N.

Name	Data Type	Comment
DIAG_INPUT_SETMISSSING<N>	NUMERIC(8)	This column specifies the type of statistics to be used to replace the missing observations for independent variable N. Here, N is a number from 1 to 10. There exists one column for every N.
DIAG_INPUT_TRIMMISS<N>	NUMERIC(8)	This column determines how missing values are trimmed from the accumulated time series for the independent variable N. Here, N is a number from 1 to 10. There exists one column for every N.
DIAG_INPUT_ZEROMISS<N>	NUMERIC(8)	This column specifies how the beginning and ending zero values are interpreted in the accumulated time series for the independent variable N. Here, N is a number from 1 to 10. There exists one column for every N.
DIAG_INPUTMISSING_PCT	NUMERIC(8)	This column specifies the size of the missing observations as a percentage of the length of the input time series.
DIAG_PREFILTER	NUMERIC(8)	This column specifies how missing and extreme values are to be handled before the diagnostic tests.
DIAG_SELECTEVENT	NUMERIC(8)	This column specifies the maximum number of events to be selected from the All or Select options.
DIAG_SELECTEVENT_POS_INT	NUMERIC(8)	This column specifies the maximum number of events to be selected from options other than All or Select.
DIAG_SIGLEVEL	NUMERIC(8)	This column specifies the cutoff value for all diagnostic tests such as log transformation, tentative ARMA order selection, and significance of UCM components.
DIAG_TESTINPUT	NUMERIC(8)	This column specifies the test to be selected for input variables.
DIAG_TRANSFORM_BOXCOX_VAL	NUMERIC(8)	This column specifies the Box-Cox transformation value when Box-Cox is used as a method of transformation in forecasting.
DIAG_TRANSFORM_TRSNSOPT	NUMERIC(8)	This column specifies the method of forecasting for the transformed time series.
DIAG_TRANSFORM_TYPE	NUMERIC(8)	This column specifies the type of functional transformation to be used in forecasting.
DIAG_TREND_DIFF	NUMERIC(8)	This column specifies the method for simple differencing.
DIAG_TREND_DIFF_POS_INT	NUMERIC(8)	This column stores a positive integer value for simple differencing.
DIAG_TREND_P	NUMERIC(8)	This column specifies the autoregressive order for the augmented unit root tests and a seasonality test.

Name	Data Type	Comment
DIAG_TREND_SDIFF	NUMERIC(8)	This column specifies a method for seasonal differencing.
DIAG_TREND_SDIFF_POS_INT	NUMERIC(8)	This column stores a positive integer value for seasonal differencing.
DIAG_TREND_SIGLEVEL	NUMERIC(8)	This column specifies the significance level to be used as a cutoff value to decide whether the series needs differencing or not.
DIAG_UCM_COMPONENT	NUMERIC(8)	This column specifies the components to be used in the UCM model.
DIAG_UCM_SIGLEVEL	NUMERIC(8)	This column specifies the components to be used in the UCM model.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
FORECAST_SUBGROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast subgroup. The forecast groups are defined by the implementation team.
HPF_ALPHA	NUMERIC(8)	This column contains the probability of type I error.
HPF_BACK	NUMERIC(8)	This column contains the back option.
HPF_CRITERION	NUMERIC(8)	This column contains the criterion of forecast model selection.
HPF_END	NUMERIC(8)	This column specifies a date that represents the end of demand data.
HPF_EXCEPTIONS	NUMERIC(8)	This column specifies how the arithmetic exceptions are to be handled.
HPF_FCST_ACCUMULATE	NUMERIC(8)	This column specifies how the table observations are accumulated within each time period of the forecast variable.
HPF_FCST_SETMISSING	NUMERIC(8)	This column specifies the type of statistics to be used to replace the missing observations of forecast variable.
HPF_FCST_TRIMMISS	NUMERIC(8)	This column contains an option that determines how missing values are trimmed from the accumulated time series for a forecast variable.
HPF_FCST_ZEROMISS	NUMERIC(8)	This column specifies how beginning and ending zero values are interpreted in the accumulated time series for a forecast variable.
HPF_HOLDOUT	NUMERIC(8)	This column contains the total number of observations in the holdout sample.
HPF_HOLDOUT_PCT	NUMERIC(8)	This column contains the percentage of total observations to be considered as a holdout sample.

Name	Data Type	Comment
HPF_LEAD	NUMERIC(8)	This column contains the number of intervals to be considered for forecasting.
HPF_MINOBS_SEASON	NUMERIC(8)	This column stores the minimum observations for seasonality model.
HPF_MINOBS_TREND	NUMERIC(8)	This column contains the minimum observations that are required to fit the Trend forecast model.
HPF_SEASONALITY	NUMERIC(8)	This column contains a number that specifies the length of the seasonal cycle.
HPF_SEASONTEST	NUMERIC(8)	This column contains a flag that indicates whether seasonality test is to be performed or not.
HPF_SEASONTEST_SIGLEVEL	NUMERIC(8)	This column specifies a number that indicates the significance probability value to be used to check whether seasonality is present in the time series.
HPF_START	NUMERIC(8)	This column specifies a date that represents the beginning of demand data.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
LOGIN_NAME	CHARACTER(32)	This column contains the name of the user who logs on to the Forecast Management workspace.
MIDDLE_OUT_STARTING_HIERARCHY	CHARACTER(5)	This column contains the item or facility hierarchy information that is selected for the middle out reconcile option.
RECONCILE_OPTION	NUMERIC(8)	This column contains an option that determines whether top down, bottom up, or middle out approach is to be used for reconciliation.
SIGMAS	NUMERIC(8)	This column specifies the width of the control limits in terms of the multiple 'k' of the standard error that is required for the Shewhart control chart for forecast quality analysis.

Table 10.8 FORECAST_DATA_PARAM Table

Name	Data Type	Comment
BUCKET_TYPE	NUMERIC(8)	This column stores the name of the forecast result type. For example, normal, revisited, and so on.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP	CHARACTER(10)	This column contains the total number of facility and item pairs with normal forecasts.
ITEM_RK	NUMERIC(8)	This column contains the total number of facility and item pairs for which the model selection process is revisited.

Name	Data Type	Comment
LOGIN_ID	CHARACTER(20)	This column contains the forecast process run date.
STATUS	NUMERIC(8)	This column contains the total number of items with no history, in the forecast group.
SUB_GROUP	CHARACTER(10)	This column contains the total number of facility and item pairs in the forecast group.

Table 10.9 FORECAST_RESULT Table

Name	Data Type	Comment
FORECAST_ACCURACY_LOW	NUMERIC(8)	This column contains the total number of facility and item pairs with low accuracy forecast results.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group that is defined by the implementation team.
FORECAST_NORMAL	NUMERIC(8)	This column contains the total number of facility and item pairs with normal forecasts.
FORECAST_REVISITED	NUMERIC(8)	This column contains the total number of facility and item pairs for which the model selection process is revisited.
FORECAST_RUN_DT	NUMERIC(8)	This column contains the forecast process run date.
INTERMITTENT_ITEMS	NUMERIC(8)	This column stores the total number of facility and item pairs for which the items have intermittent demand.
ITEMS_WITH_NO_HISTORY	NUMERIC(8)	This column contains the total number of items with no history, in the forecast group.
PARAMETER_CHANGED	NUMERIC(8)	This column contains a value to track changes in the parameters through the user interface. By default, the value is zero.
SUCCESSOR_ITEMS	NUMERIC(8)	This column contains the total number of items in succession for the forecast group.
TIMESERIES	NUMERIC(8)	This column contains the total number of facility and item pairs in the forecast group.

Table 10.10 HPF_PREFERENCES_UI_FG Table

Name	Data Type	Comment
BUCKET_TYPE	NUMERIC(8)	This column stores the name of the forecast result type. For example, normal, revisited, and so on.
DEFAULT_FLG	NUMERIC(8)	This column contains a flag that is used for default value on the user interface.
DIAG_ARIMAX_CRITERION	NUMERIC(8)	This column contains a criterion for the tentative ARMA order selection.
DIAG_ARIMAX_DEN1	NUMERIC(8)	This column contains a number that specifies the lower range of the denominator order of the transfer function.
DIAG_ARIMAX_DEN2	NUMERIC(8)	This column contains a number that specifies the upper range of the denominator order of the transfer function.
DIAG_ARIMAX_ESTMETHOD	NUMERIC(8)	This column stores the method for choosing the tentative ARMA orders.
DIAG_ARIMAX_IDENTIFY	NUMERIC(8)	This column specifies the identification order when inputs and events are specified.
DIAG_ARIMAX_INCLUDE_INTERCEPT	NUMERIC(8)	This column contains a flag that indicates whether constant is to be included or not.
DIAG_ARIMAX_NUM1	NUMERIC(8)	This column contains a number that specifies the lower range of the numerator order of the transfer function.
DIAG_ARIMAX_NUM2	NUMERIC(8)	This column contains a number that specifies the upper range of the numerator order of the transfer function.
DIAG_ARIMAX_OUTLIER_DETECT	NUMERIC(8)	This column contains an indicator that specifies whether to detect outliers while forecasting or not.
DIAG_ARIMAX_P1	NUMERIC(8)	This column contains a number that specifies the lower range of nonseasonal AR order.
DIAG_ARIMAX_P2	NUMERIC(8)	This column contains a number that specifies the upper range of nonseasonal AR order.
DIAG_ARIMAX_P3	NUMERIC(8)	This column contains a number that specifies the lower range of seasonal AR order.
DIAG_ARIMAX_P4	NUMERIC(8)	This column contains a number that specifies the upper range of seasonal AR order.
DIAG_ARIMAX_Q1	NUMERIC(8)	This column contains a number that specifies the minimum value of nonseasonal MA order.
DIAG_ARIMAX_Q2	NUMERIC(8)	This column contains a number that specifies the maximum value of nonseasonal MA order.
DIAG_ARIMAX_Q3	NUMERIC(8)	This column contains a number that specifies the lower range of seasonal MA order.

Name	Data Type	Comment
DIAG_ARIMAX_Q4	NUMERIC(8)	This column contains a number that specifies the upper range of seasonal MA order.
DIAG_ARIMAX_SIGLEVEL	NUMERIC(8)	This column specifies the significance level that is used as a cutoff value to decide the AR and MA orders.
DIAG_DELAYEVENT	NUMERIC(8)	This column specifies the delay lag for the events.
DIAG_DELAYINPUT	NUMERIC(8)	This column specifies the delay lag for inputs.
DIAG_ENTRYPCT	NUMERIC(8)	This column specifies a threshold to check the percentage increment of the criterion between two candidate models.
DIAG_ESM_METHOD	NUMERIC(8)	This column contains a flag that indicates whether the ESM model is used for forecasting.
DIAG_IDM_BASE	NUMERIC(8)	This column specifies the base value of the time series that is used to determine the demand series components for the auto option.
DIAG_IDM_BASE_POS_INT	NUMERIC(8)	This column contains an indicator that specifies the base value of the time series that is used to determine the demand series components other than auto.
DIAG_IDM_INTERMITTENT	NUMERIC(8)	This column contains a number that is used to determine whether a time series is intermittent.
DIAG_INCLUDE_ARIMAX	NUMERIC(8)	This column contains a flag that indicates whether the ARIMAX model is used for forecasting.
DIAG_INCLUDE_ESM	NUMERIC(8)	This column contains a flag that indicates whether the ESM model is used for forecasting.
DIAG_INCLUDE_UCM	NUMERIC(8)	This column contains a flag that indicates whether the UCM model is used for forecasting.
DIAG_INPUT_ACCUMULATE<N>	NUMERIC(8)	This column specifies how the table observations are accumulated within each time period for the independent variable N. Here, N is a number from 1 to 10. There exists one column for every N.
DIAG_INPUT_REQUIRED<N>	NUMERIC(8)	This column contains an indicator that suggests whether the independent input variable N is required or not. Here, N is a number from 1 to 10. There exists one column for every N.

Name	Data Type	Comment
DIAG_INPUT_SETMISSSING<N>	NUMERIC(8)	This column specifies the type of statistics to be used to replace the missing observations for independent variable N. Here, N is a number from 1 to 10. There exists one column for every N.
DIAG_INPUT_TRIMMISS<N>	NUMERIC(8)	This column determines how missing values are trimmed from the accumulated time series for the independent variable N. Here, N is a number from 1 to 10. There exists one column for every N.
DIAG_INPUT_ZEROMISS<N>	NUMERIC(8)	This column specifies how the beginning and ending zero values are interpreted in the accumulated time series for the independent variable N. Here, N is a number from 1 to 10. There exists one column for every N.
DIAG_INPUTMISSING_PCT	NUMERIC(8)	This column specifies the size of the missing observations as a percentage of the length of the input time series.
DIAG_PREFILTER	NUMERIC(8)	This column specifies how missing and extreme values are to be handled before the diagnostic tests.
DIAG_SELECTEVENT	NUMERIC(8)	This column specifies the maximum number of events to be selected from the All or Select options.
DIAG_SELECTEVENT_POS_INT	NUMERIC(8)	This column specifies the maximum number of events to be selected from options other than All or Select.
DIAG_SIGLEVEL	NUMERIC(8)	This column specifies the cutoff value for all diagnostic tests such as log transformation, tentative ARMA order selection, and significance of UCM components.
DIAG_TESTINPUT	NUMERIC(8)	This column specifies the test to be selected for input variables.
DIAG_TRANSFORM_BOXCOX_VAL	NUMERIC(8)	This column specifies the Box-Cox transformation value when Box-Cox is used as a method of transformation in forecasting.
DIAG_TRANSFORM_TRSNSOPT	NUMERIC(8)	This column specifies the method of forecasting for the transformed time series.
DIAG_TRANSFORM_TYPE	NUMERIC(8)	This column specifies the type of functional transformation to be used in forecasting.
DIAG_TREND_DIFF	NUMERIC(8)	This column specifies the method for simple differencing.
DIAG_TREND_DIFF_POS_INT	NUMERIC(8)	This column stores a positive integer value for simple differencing.
DIAG_TREND_P	NUMERIC(8)	This column specifies the autoregressive order for the augmented unit root tests and a seasonality test.

Name	Data Type	Comment
DIAG_TREND_SDIFF	NUMERIC(8)	This column specifies a method for seasonal differencing.
DIAG_TREND_SDIFF_POS_INT	NUMERIC(8)	This column stores a positive integer value for seasonal differencing.
DIAG_TREND_SIGLEVEL	NUMERIC(8)	This column specifies the significance level to be used as a cutoff value to decide whether the series needs differencing or not.
DIAG_UCM_COMPONENT	NUMERIC(8)	This column specifies the components to be used in the UCM model.
DIAG_UCM_SIGLEVEL	NUMERIC(8)	This column specifies the significance level to be used as a cutoff value to decide which component and variances are significant in the UCM model.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
HPF_ALPHA	NUMERIC(8)	This column contains the probability of type I error.
HPF_BACK	NUMERIC(8)	This column contains the back option.
HPF_CRITERION	NUMERIC(8)	This column contains the criterion of forecast model selection.
HPF_END	NUMERIC(8)	This column specifies a date that represents the end of demand data.
HPF_EXCEPTIONS	NUMERIC(8)	This column specifies how the arithmetic exceptions are to be handled.
HPF_FCST_ACCUMULATE	NUMERIC(8)	This column specifies how the table observations are accumulated within each time period of the forecast variable.
HPF_FCST_SETMISSING	NUMERIC(8)	This column specifies the type of statistics to be used to replace the missing observations of forecast variable.
HPF_FCST_TRIMMISS	NUMERIC(8)	This column contains an option that determines how missing values are trimmed from the accumulated time series for a forecast variable.
HPF_FCST_ZEROMISS	NUMERIC(8)	This column specifies how beginning and ending zero values are interpreted in the accumulated time series for a forecast variable.
HPF_HOLDOUT	NUMERIC(8)	This column contains the total number of observations in the holdout sample.
HPF_HOLDOUT_PCT	NUMERIC(8)	This column contains the percentage of total observations to be considered as a holdout sample.
HPF_LEAD	NUMERIC(8)	This column contains the number of intervals to be considered for forecasting.
HPF_MINOBS_SEASON	NUMERIC(8)	This column stores the minimum observations for seasonality model.

Name	Data Type	Comment
HPF_MINOBS_TREND	NUMERIC(8)	This column contains the minimum observations that are required to fit the Trend forecast model.
HPF_SEASONALITY	NUMERIC(8)	This column contains a number that specifies the length of the seasonal cycle.
HPF_SEASONTEST	NUMERIC(8)	This column contains a flag that indicates whether seasonality test is to be performed or not.
HPF_SEASONTEST_SIGLEVEL	NUMERIC(8)	This column specifies a number that indicates the significance probability value to be used to check whether seasonality is present in the time series.
HPF_START	NUMERIC(8)	This column specifies a date that represents the beginning of demand data.
MIDDLE_OUT_STARTING_HIERARCHY	CHARACTER(5)	This column contains the item or facility hierarchy information that is selected for the middle out option.
RECONCILE_OPTION	NUMERIC(8)	This column contains an option that determines whether top down, bottom up, or middle out approach is to be used for reconciliation.
SIGMAS	NUMERIC(8)	This column specifies the width of the control limits in terms of the multiple 'k' of the standard error that is required for the Shewhart control chart for forecast quality analysis.

Table 10.11 HPF_PREFERENCES_UI_SG Table

Name	Data Type	Comment
BUCKET_TYPE	NUMERIC(8)	This column stores the name of the forecast result type. For example, normal, revisited, and so on.
DEFAULT_FLG	NUMERIC(8)	This column contains a flag that is used for default value on the user interface.
DIAG_ARIMAX_CRITERION	NUMERIC(8)	This column contains a criterion for the tentative ARMA order selection.
DIAG_ARIMAX_DEN1	NUMERIC(8)	This column contains a number that specifies the lower range of the denominator order of the transfer function.
DIAG_ARIMAX_DEN2	NUMERIC(8)	This column contains a number that specifies the upper range of the denominator order of the transfer function.
DIAG_ARIMAX_ESTMETHOD	NUMERIC(8)	This column stores the method for choosing the tentative ARMA orders.
DIAG_ARIMAX_IDENTIFY	NUMERIC(8)	This column specifies the identification order when inputs and events are specified.

Name	Data Type	Comment
DIAG_ARIMAX_INCLUDE_INTERCEPT	NUMERIC(8)	This column contains a flag that indicates whether constant is to be included or not.
DIAG_ARIMAX_NUM1	NUMERIC(8)	This column contains a number that specifies the lower range of the numerator order of the transfer function.
DIAG_ARIMAX_NUM2	NUMERIC(8)	This column contains a number that specifies the upper range of the numerator order of the transfer function.
DIAG_ARIMAX_OUTLIER_DETECT	NUMERIC(8)	This column contains an indicator that specifies whether to detect outliers while forecasting or not.
DIAG_ARIMAX_P1	NUMERIC(8)	This column contains a number that specifies the lower range of nonseasonal AR order.
DIAG_ARIMAX_P2	NUMERIC(8)	This column contains a number that specifies the upper range of nonseasonal AR order.
DIAG_ARIMAX_P3	NUMERIC(8)	This column contains a number that specifies the lower range of seasonal AR order.
DIAG_ARIMAX_P4	NUMERIC(8)	This column contains a number that specifies the upper range of seasonal AR order.
DIAG_ARIMAX_Q1	NUMERIC(8)	This column contains a number that specifies the minimum value of nonseasonal MA order.
DIAG_ARIMAX_Q2	NUMERIC(8)	This column contains a number that specifies the maximum value of nonseasonal MA order.
DIAG_ARIMAX_Q3	NUMERIC(8)	This column contains a number that specifies the lower range of seasonal MA order.
DIAG_ARIMAX_Q4	NUMERIC(8)	This column contains a number that specifies the upper range of seasonal MA order.
DIAG_ARIMAX_SIGLEVEL	NUMERIC(8)	This column specifies the significance level that is used as a cutoff value to decide the AR and MA orders.
DIAG_DELAYEVENT	NUMERIC(8)	This column specifies the delay lag for the events.
DIAG_DELAYINPUT	NUMERIC(8)	This column specifies the delay lag for inputs.
DIAG_ENTRYPCT	NUMERIC(8)	This column specifies a threshold to check the percentage increment of the criterion between two candidate models.
DIAG_ESM_METHOD	NUMERIC(8)	This column contains a flag that indicates whether the ESM model is used for forecasting.
DIAG_IDM_BASE	NUMERIC(8)	This column specifies the base value of the time series that is used to determine the demand series components for the auto option.

Name	Data Type	Comment
DIAG_IDM_BASE_POS_INT	NUMERIC(8)	This column contains an indicator that specifies the base value of the time series that is used to determine the demand series components other than auto.
DIAG_IDM_INTERMITTENT	NUMERIC(8)	This column contains a number that is used to determine whether a time series is intermittent.
DIAG_INCLUDE_ARIMAX	NUMERIC(8)	This column contains a flag that indicates whether the ARIMAX model is used for forecasting.
DIAG_INCLUDE_ESM	NUMERIC(8)	This column contains a flag that indicates whether the ESM model is used for forecasting.
DIAG_INCLUDE_UCM	NUMERIC(8)	This column contains a flag that indicates whether the UCM model is used for forecasting.
DIAG_INPUT_ACCUMULATE<N>	NUMERIC(8)	This column specifies how the table observations are accumulated within each time period for the independent variable N. Here, N is a number from 1 to 10. There exists one column for every N.
DIAG_INPUT_REQUIRED<N>	NUMERIC(8)	This column contains an indicator that suggests whether the independent input variable N is required or not. Here, N is a number from 1 to 10. There exists one column for every N.
DIAG_INPUT_SETMISSSING<N>	NUMERIC(8)	This column specifies the type of statistics to be used to replace the missing observations for independent variable N. Here, N is a number from 1 to 10. There exists one column for every N.
DIAG_INPUT_TRIMMISS<N>	NUMERIC(8)	This column determines how missing values are trimmed from the accumulated time series for the independent variable N. Here, N is a number from 1 to 10. There exists one column for every N.
DIAG_INPUT_ZEROMISS<N>	NUMERIC(8)	This column specifies how the beginning and ending zero values are interpreted in the accumulated time series for the independent variable N. Here, N is a number from 1 to 10. There exists one column for every N.
DIAG_INPUTMISSING_PCT	NUMERIC(8)	This column specifies the size of the missing observations as a percentage of the length of the input time series.
DIAG_PREFILTER	NUMERIC(8)	This column specifies how missing and extreme values are to be handled before the diagnostic tests.

Name	Data Type	Comment
DIAG_SELECTEVENT	NUMERIC(8)	This column specifies the maximum number of events to be selected from the All or Select options.
DIAG_SELECTEVENT_POS_INT	NUMERIC(8)	This column specifies the maximum number of events to be selected from options other than All or Select.
DIAG_SIGLEVEL	NUMERIC(8)	This column specifies the cutoff value for all diagnostic tests such as log transformation, tentative ARMA order selection, and significance of UCM components.
DIAG_TESTINPUT	NUMERIC(8)	This column specifies the test to be selected for input variables.
DIAG_TRANSFORM_BOXCOX_VAL	NUMERIC(8)	This column specifies the Box-Cox transformation value when Box-Cox is used as a method of transformation in forecasting.
DIAG_TRANSFORM_TRSNSOPT	NUMERIC(8)	This column specifies the method of forecasting for the transformed time series.
DIAG_TRANSFORM_TYPE	NUMERIC(8)	This column specifies the type of functional transformation to be used in forecasting.
DIAG_TREND_DIFF	NUMERIC(8)	This column specifies the method for simple differencing.
DIAG_TREND_DIFF_POS_INT	NUMERIC(8)	This column stores a positive integer value for simple differencing.
DIAG_TREND_P	NUMERIC(8)	This column specifies the autoregressive order for the augmented unit root tests and a seasonality test.
DIAG_TREND_SDIFF	NUMERIC(8)	This column specifies a method for seasonal differencing.
DIAG_TREND_SDIFF_POS_INT	NUMERIC(8)	This column stores a positive integer value for seasonal differencing.
DIAG_TREND_SIGLEVEL	NUMERIC(8)	This column specifies the significance level to be used as a cutoff value to decide whether the series needs differencing or not.
DIAG_UCM_COMPONENT	NUMERIC(8)	This column specifies the components to be used in the UCM model.
DIAG_UCM_SIGLEVEL	NUMERIC(8)	This column specifies the components to be used in the UCM model.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
FORECAST_SUBGROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast subgroup. The forecast subgroups are defined by the implementation team.
HPF_ALPHA	NUMERIC(8)	This column contains the probability of type I error.
HPF_BACK	NUMERIC(8)	This column contains the back option.

Name	Data Type	Comment
HPF_CRITERION	NUMERIC(8)	This column contains the criterion of forecast model selection.
HPF_END	NUMERIC(8)	This column specifies a date that represents the end of demand data.
HPF_EXCEPTIONS	NUMERIC(8)	This column specifies how the arithmetic exceptions are to be handled.
HPF_FCST_ACCUMULATE	NUMERIC(8)	This column specifies how the table observations are accumulated within each time period of the forecast variable.
HPF_FCST_SETMISSING	NUMERIC(8)	This column specifies the type of statistics to be used to replace the missing observations of forecast variable.
HPF_FCST_TRIMMISS	NUMERIC(8)	This column contains an option that determines how missing values are trimmed from the accumulated time series for a forecast variable.
HPF_FCST_ZEROMISS	NUMERIC(8)	This column specifies how beginning and ending zero values are interpreted in the accumulated time series for a forecast variable.
HPF_HOLDOUT	NUMERIC(8)	This column contains the total number of observations in the holdout sample.
HPF_HOLDOUT_PCT	NUMERIC(8)	This column contains the percentage of total observations to be considered as a holdout sample.
HPF_LEAD	NUMERIC(8)	This column contains the number of intervals to be considered for forecasting.
HPF_MINOBS_SEASON	NUMERIC(8)	This column stores the minimum observations for seasonality model.
HPF_MINOBS_TREND	NUMERIC(8)	This column contains the minimum observations that are required to fit the Trend forecast model.
HPF_SEASONALITY	NUMERIC(8)	This column contains a number that specifies the length of the seasonal cycle.
HPF_SEASONTEST	NUMERIC(8)	This column contains a flag that indicates whether seasonality test is to be performed or not.
HPF_SEASONTEST_SIGLEVEL	NUMERIC(8)	This column specifies a number that indicates the significance probability value to be used to check whether seasonality is present in the time series.
HPF_START	NUMERIC(8)	This column specifies a date that represents the beginning of demand data.
MIDDLE_OUT_STARTING_HIERARCHY	CHARACTER(5)	This column contains the item or facility hierarchy information that is selected for the middle out option.

Name	Data Type	Comment
RECONCILE_OPTION	NUMERIC(8)	This column contains an option that determines whether top down, bottom up, or middle out approach is to be used for reconciliation.
SIGMAS	NUMERIC(8)	This column specifies the width of the control limits in terms of the multiple 'k' of the standard error that is required for the Shewhart control chart for forecast quality analysis.

Table 10.12 HPF_PREFERENCES_UI_TS Table

Name	Data Type	Comment
BUCKET_TYPE	NUMERIC(8)	This column stores the name of the forecast result type. For example, normal, revisited, and so on.
DEFAULT_FLG	NUMERIC(8)	This column contains a flag that is used for default value on the user interface.
DIAG_ARIMAX_CRITERION	NUMERIC(8)	This column contains a criterion for the tentative ARMA order selection.
DIAG_ARIMAX_DEN1	NUMERIC(8)	This column contains a number that specifies the lower range of the denominator order of the transfer function.
DIAG_ARIMAX_DEN2	NUMERIC(8)	This column contains a number that specifies the upper range of the denominator order of the transfer function.
DIAG_ARIMAX_ESTMETHOD	NUMERIC(8)	This column stores the method for choosing the tentative ARMA orders.
DIAG_ARIMAX_IDENTIFY	NUMERIC(8)	This column specifies the identification order when inputs and events are specified.
DIAG_ARIMAX_INCLUDE_INTERCEPT	NUMERIC(8)	This column contains a flag that indicates whether constant is to be included or not.
DIAG_ARIMAX_NUM1	NUMERIC(8)	This column contains a number that specifies the lower range of the numerator order of the transfer function.
DIAG_ARIMAX_NUM2	NUMERIC(8)	This column contains a number that specifies the upper range of the numerator order of the transfer function.
DIAG_ARIMAX_OUTLIER_DETECT	NUMERIC(8)	This column contains an indicator that specifies whether to detect outliers while forecasting or not.
DIAG_ARIMAX_P1	NUMERIC(8)	This column contains a number that specifies the lower range of nonseasonal AR order.
DIAG_ARIMAX_P2	NUMERIC(8)	This column contains a number that specifies the upper range of nonseasonal AR order.
DIAG_ARIMAX_P3	NUMERIC(8)	This column contains a number that specifies the lower range of seasonal AR order.

Name	Data Type	Comment
DIAG_ARIMAX_P4	NUMERIC(8)	This column contains a number that specifies the upper range of seasonal AR order.
DIAG_ARIMAX_Q1	NUMERIC(8)	This column contains a number that specifies the minimum value of nonseasonal MA order.
DIAG_ARIMAX_Q2	NUMERIC(8)	This column contains a number that specifies the maximum value of nonseasonal MA order.
DIAG_ARIMAX_Q3	NUMERIC(8)	This column contains a number that specifies the lower range of seasonal MA order.
DIAG_ARIMAX_Q4	NUMERIC(8)	This column contains a number that specifies the upper range of seasonal MA order.
DIAG_ARIMAX_SIGLEVEL	NUMERIC(8)	This column specifies the significance level that is used as a cutoff value to decide the AR and MA orders.
DIAG_DELAYEVENT	NUMERIC(8)	This column specifies the delay lag for the events.
DIAG_DELAYINPUT	NUMERIC(8)	This column specifies the delay lag for inputs.
DIAG_ENTRYPCT	NUMERIC(8)	This column specifies a threshold to check the percentage increment of the criterion between two candidate models.
DIAG_ESM_METHOD	NUMERIC(8)	This column contains a flag that indicates whether the ESM model is used for forecasting.
DIAG_IDM_BASE	NUMERIC(8)	This column specifies the base value of the time series that is used to determine the demand series components for the auto option.
DIAG_IDM_BASE_POS_INT	NUMERIC(8)	This column contains an indicator that specifies the base value of the time series that is used to determine the demand series components other than auto.
DIAG_IDM_INTERMITTENT	NUMERIC(8)	This column contains a number that is used to determine whether a time series is intermittent.
DIAG_INCLUDE_ARIMAX	NUMERIC(8)	This column contains a flag that indicates whether the ARIMAX model is used for forecasting.
DIAG_INCLUDE_ESM	NUMERIC(8)	This column contains a flag that indicates whether the ESM model is used for forecasting.
DIAG_INCLUDE_UCM	NUMERIC(8)	This column contains a flag that indicates whether the UCM model is used for forecasting.

Name	Data Type	Comment
DIAG_INPUT_ACCUMULATE<N>	NUMERIC(8)	This column specifies how the table observations are accumulated within each time period for the independent variable N. Here, N is a number from 1 to 10. There exists one column for every N.
DIAG_INPUT_REQUIRED<N>	NUMERIC(8)	This column contains an indicator that suggests whether the independent input variable N is required or not. Here, N is a number from 1 to 10. There exists one column for every N.
DIAG_INPUT_SETMISSSING<N>	NUMERIC(8)	This column specifies the type of statistics to be used to replace the missing observations for independent variable N. Here, N is a number from 1 to 10. There exists one column for every N.
DIAG_INPUT_TRIMMISS<N>	NUMERIC(8)	This column determines how missing values are trimmed from the accumulated time series for the independent variable N. Here, N is a number from 1 to 10. There exists one column for every N.
DIAG_INPUT_ZEROMISS<N>	NUMERIC(8)	This column specifies how the beginning and ending zero values are interpreted in the accumulated time series for the independent variable N. Here, N is a number from 1 to 10. There exists one column for every N.
DIAG_INPUTMISSING_PCT	NUMERIC(8)	This column specifies the size of the missing observations as a percentage of the length of the input time series.
DIAG_PREFILTER	NUMERIC(8)	This column specifies how missing and extreme values are to be handled before the diagnostic tests.
DIAG_SELECTEVENT	NUMERIC(8)	This column specifies the maximum number of events to be selected from the All or Select options.
DIAG_SELECTEVENT_POS_INT	NUMERIC(8)	This column specifies the maximum number of events to be selected from options other than All or Select.
DIAG_SIGLEVEL	NUMERIC(8)	This column specifies the cutoff value for all diagnostic tests such as log transformation, tentative ARMA order selection, and significance of UCM components.
DIAG_TESTINPUT	NUMERIC(8)	This column specifies the test to be selected for input variables.
DIAG_TRANSFORM_BOXCOX_VAL	NUMERIC(8)	This column specifies the Box-Cox transformation value when Box-Cox is used as a method of transformation in forecasting.

Name	Data Type	Comment
DIAG_TRANSFORM_TRSNSOPT	NUMERIC(8)	This column specifies the method of forecasting for the transformed time series.
DIAG_TRANSFORM_TYPE	NUMERIC(8)	This column specifies the type of functional transformation to be used in forecasting.
DIAG_TREND_DIFF	NUMERIC(8)	This column specifies the method for simple differencing.
DIAG_TREND_DIFF_POS_INT	NUMERIC(8)	This column stores a positive integer value for simple differencing.
DIAG_TREND_P	NUMERIC(8)	This column specifies the autoregressive order for the augmented unit root tests and a seasonality test.
DIAG_TREND_SDIFF	NUMERIC(8)	This column specifies a method for seasonal differencing.
DIAG_TREND_SDIFF_POS_INT	NUMERIC(8)	This column stores a positive integer value for seasonal differencing.
DIAG_TREND_SIGLEVEL	NUMERIC(8)	This column specifies the significance level to be used as a cutoff value to decide whether the series needs differencing or not.
DIAG_UCM_COMPONENT	NUMERIC(8)	This column specifies the components to be used in the UCM model.
DIAG_UCM_SIGLEVEL	NUMERIC(8)	This column specifies the components to be used in the UCM model.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
FORECAST_SUBGROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast subgroup. The forecast subgroups are defined by the implementation team.
HPF_ALPHA	NUMERIC(8)	This column contains the probability of type I error.
HPF_BACK	NUMERIC(8)	This column contains the back option.
HPF_CRITERION	NUMERIC(8)	This column contains the criterion of forecast model selection.
HPF_END	NUMERIC(8)	This column specifies a date that represents the end of demand data.
HPF_EXCEPTIONS	NUMERIC(8)	This column specifies how the arithmetic exceptions are to be handled.
HPF_FCST_ACCUMULATE	NUMERIC(8)	This column specifies how the table observations are accumulated within each time period of the forecast variable.
HPF_FCST_SETMISSING	NUMERIC(8)	This column specifies the type of statistics to be used to replace the missing observations of forecast variable.

Name	Data Type	Comment
HPF_FCST_TRIMMISS	NUMERIC(8)	This column contains an option that determines how missing values are trimmed from the accumulated time series for a forecast variable.
HPF_FCST_ZEROMISS	NUMERIC(8)	This column specifies how beginning and ending zero values are interpreted in the accumulated time series for a forecast variable.
HPF_HOLDOUT	NUMERIC(8)	This column contains the total number of observations in the holdout sample.
HPF_HOLDOUT_PCT	NUMERIC(8)	This column contains the percentage of total observations to be considered as a holdout sample.
HPF_LEAD	NUMERIC(8)	This column contains the number of intervals to be considered for forecasting.
HPF_MINOBS_SEASON	NUMERIC(8)	This column stores the minimum observations for seasonality model.
HPF_MINOBS_TREND	NUMERIC(8)	This column contains the minimum observations that are required to fit the Trend forecast model.
HPF_SEASONALITY	NUMERIC(8)	This column contains a number that specifies the length of the seasonal cycle.
HPF_SEASONTEST	NUMERIC(8)	This column contains a flag that indicates whether seasonality test is to be performed or not.
HPF_SEASONTEST_SIGLEVEL	NUMERIC(8)	This column specifies a number that indicates the significance probability value to be used to check whether seasonality is present in the time series.
HPF_START	NUMERIC(8)	This column specifies a date that represents the beginning of demand data.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
MIDDLE_OUT_STARTING_HIERARCHY	CHARACTER(5)	This column contains the item or facility hierarchy information that is selected for the middle out option.
RECONCILE_OPTION	NUMERIC(8)	This column contains an option that determines whether top down, bottom up, or middle out approach is to be used for reconciliation.
SIGMAS	NUMERIC(8)	This column specifies the width of the control limits in terms of the multiple 'k' of the standard error that is required for the Shewhart control chart for forecast quality analysis.

Table 10.13 IO_METRICS_ALERTSETTINGS Table

Name	Data Type	Comment
DEMAND_LW_CNTRL_LIM	NUMERIC(8)	This column contains the lower control limit for demand.
DEMAND_UP_CNTRL_LIM	NUMERIC(8)	This column contains the upper control limit for demand.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_CATEGORY_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
LOCATION_RK	NUMERIC(8)	This column contains a retained surrogate key for a location.
LT_LW_CNTRL_LIM	NUMERIC(8)	This column contains the lower control limit value for lead time.
LT_UP_CNTRL_LIM	NUMERIC(8)	This column contains the upper control limit value for lead time.
SL_DOWNSTREAM_LW_CNTRL_LIM	NUMERIC(8)	This column stores the lower control limit value for service level for the downstream facilities.
SL_DOWNSTREAM_UP_CNTRL_LIM	NUMERIC(8)	This column stores the upper control limit value for service level for the downstream facilities.
SL_UPSTREAM_LW_CNTRL_LIM	NUMERIC(8)	This column stores the lower control limit value for service level for the upstream facilities.
SL_UPSTREAM_UP_CNTRL_LIM	NUMERIC(8)	This column stores the upper control limit value for service level for the upstream facilities.
SPOID	CHARACTER(32)	This column stores the business key identifier for the employee.
SPOID_PREV	CHARACTER(32)	This column stores the previous identifier for the employee.

Table 10.14 ITEM_EDIT_STATUS Table

Name	Data Type	Comment
EDIT_STATUS_IND	NUMERIC(8)	This column contains an indicator that suggests the edit status of the item in the order. The possible values are: 0 - item is not locked for editing, and 1 - item is locked for editing.
ITEM_RK	NUMERIC(8)	This column stores a retained surrogate key for an item.

Table 10. 15 LOCK_PLAN_SETTING Table

Name	Data Type	Comment
LOCK_INCOMPLETE_REPL_PLAN	NUMERIC(8)	This column contains a value that indicates whether the incomplete replenishment plans are locked.
LOCK_PARTIAL_REPL_PLAN	NUMERIC(8)	This column contains a value that indicates whether the partial replenishment plans are locked.
LOCK_PRIM_ALT_SOURCE_REPL_PLAN	NUMERIC(8)	This column contains a value that indicates whether the primary and alternative replenishment plans are locked.
LOCK_PRIMARYSOURCE_REPL_PLAN	NUMERIC(8)	This column contains a value that indicates whether the primary replenishment plans are locked.
USER_RK	NUMERIC(8)	This column stores a retained surrogate key for an MRP controller.

Table 10.16 MIDOUTLEVEL_DETAIL Table

Column Name	Data Type	Comment
LOGIN_NAME	CHARACTER(360)	This column contains the name of the user who logs on to the Forecast Management workspace.
MIDDLE_OUT_STARTING_HIERARCHY	CHARACTER(360)	This column stores the starting item category or facility in the hierarchy that is selected from the user interface.

Table 10.17 NO_HISTORY_DP_DETAIL Table

Column Name	Data Type	Comment
BUYER	CHARACTER(40)	This column stores the name of the buyer of the item at a given facility.
DEFAULT_FLG	NUMERIC(8)	This column contains a flag that is used for default value on the user interface.
DEMAND_ERROR	NUMERIC(8)	This column contains the demand error value.
DEMAND_QTY	NUMERIC(8)	This column stores the demand order quantity for the demand period.
EXTERNAL_DEMAND	NUMERIC(8)	This column contains user-populated demand values.
EXTERNAL_DEMAND_VARIANCE	NUMERIC(8)	This column stores the external demand variance value.
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility. The identifier is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column stores the name of a facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate

Column Name	Data Type	Comment
		key for a facility.
FACILITY_TYPE_CD	CHARACTER(10)	This column stores the type code for the facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_TYPE_CD	CHARACTER(10)	This column contains the item type code.
START_DT	NUMERIC(8)	This column contains the demand start date.
VENDOR_NM	CHARACTER(40)	This column contains the name of the vendor.

Table 10.18 NO_HISTORY_TIMESERIES_DETAIL Table

Name	Data Type	Comment
DEMAND_ERROR	NUMERIC(8)	This column contains the demand error value.
DEMAND_QTY	NUMERIC(8)	This column contains the order quantity for the demand period.
EXTERNAL_DEMAND	NUMERIC(8)	This column contains the external demand value.
EXTERNAL_DEMAND_VARIANCE	NUMERIC(8)	This column contains the variance in the external demand value.
FACILITY_NM	CHARACTER(40)	This column contains the name of the facility that is generated by the source system.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group that is defined by the implementation team.
ITEM_NM	CHARACTER(40)	This column contains the name of the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
START_DT	NUMERIC(8)	This column contains the start date for demand.

Table 10.19 PROMOTE_ORDER_PARAMS Table

Name	Data Type	Comment
MESSAGE	CHARACTER(300)	This column stores the error message that is generated if the order promotion process fails.
PLAN_ID	CHARACTER(20)	This column contains a unique identifier for the plan.
STATUS	NUMERIC(8)	This column indicates the status of the order. Possible values are: ❑ 0 – unlocked ❑ 1-locked ❑ 2-promotion in progress ❑ 3-promoted
USER_RK	NUMERIC(8)	This column stores a retained surrogate key for an MRP controller.

Table 10.20 REPL_PLAN_DETAIL Table

Name	Data Type	Comment
ALTERNATE_SOURCE_AMOUNT	NUMERIC(8)	This column contains the alternate source amount.
ALTERNATE_SOURCE_CNT	NUMERIC(8)	This column contains the number of orders from the alternate source.
ASSEMBLY_FLG	CHARACTER(3)	This column contains a flag that indicates whether the item is assembled or not.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_EDIT_IND	NUMERIC(8)	This column contains an indicator that suggests whether the item is edited or not.
ITEM_GROUP_DESC	CHARACTER(765)	This column contains a description for the item group.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for an item.
ITEM_INCEPTION	CHARACTER(765)	This column contains a description of whether the item is made or bought.
ITEM_NM	CHARACTER(40)	This column contains the name of the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_STATUS_DESC	CHARACTER(765)	This column contains a description of the item status.
ITEM_TYPE_DESC	CHARACTER(765)	This column contains a description of the item type.

Name	Data Type	Comment
KITTING_POINT_IND	NUMERIC(8)	This column indicates whether the item is bundled at this facility or not.
LEAD_TM_NO	NUMERIC(8)	This column contains the average lead time (in days) for transporting an item to a facility.
LOCK_ORDER_IND	NUMERIC(8)	This column contains an indicator of whether the order is locked or not.
ORDER_EDIT_IND	NUMERIC(8)	This column indicates whether the suggested order is edited or not.
ORDER_EDITOR_RK	NUMERIC(8)	This column contains a retained surrogate key for a user who edits the order.
ORDER_EXCEEDS_MAX_QTY_IND	NUMERIC(8)	This column indicates whether the order quantity exceeds the maximum order quantity or not.
ORDER_MAX	NUMERIC(8)	This column contains the maximum order quantity for a facility and item pair.
PLAN_ID	CHARACTER(180)	This column contains the plan identifier.
PRIMARY_SOURCE	CHARACTER(120)	This column contains the primary source name.
PRIMARY_SOURCE_AMOUNT	NUMERIC(8)	This column contains the primary source amount.
PRIMARY_SOURCE_CNT	NUMERIC(8)	This column stores the number of orders from the primary source.
PRIMARY_SOURCE_ID	CHARACTER(32)	This column contains the primary source name.
PRIMARY_SOURCE_TYPE	NUMERIC(8)	This column contains the type of primary source. The possible values are: 0 - vendor, 1 - facility.
PROJECTED_SERVICE_LEVEL	NUMERIC(8)	This column contains the projected service level.
REPL_PLAN_TYPE	NUMERIC(8)	This column contains the replenishment plan type. The possible values are: 0 - Primary, 1 - Primary and Alternative, 2 - Partial, and 3 - Incomplete.
SERVICE_LEVEL_ACCEPTABLE_IND	NUMERIC(8)	This column contains a number that indicates whether the service level is acceptable or not.
SERVICE_LEVEL_LOWER_BOUND	NUMERIC(8)	This column contains the lower bound value for the target service level.
SERVICE_LEVEL_UPPER_BOUND	NUMERIC(8)	This column contains the upper bound value for the target service level.
TOTAL_ORDER_AMOUNT	NUMERIC(8)	This column stores the total order amount.

Name	Data Type	Comment
USER_RK	NUMERIC(8)	This column contains a retained surrogate key for an MRP controller.
VENDOR_ID	CHARACTER(32)	This column contains a unique identifier for a vendor.
VENDOR_NM	CHARACTER(40)	This column stores the name of the vendor.

Table 10.21 REPL_PLAN_SUMMARY Table

Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
NO_OF_PLANS	NUMERIC(8)	This column contains the number of plans.
NO_OF_PLANS_LOCKED	NUMERIC(8)	This column contains the number of plans that are locked.
REPL_PLAN_TYPE	NUMERIC(8)	This column contains the replenishment plan type. The possible values are: 0 - Primary, 1 - Primary and Alternative, 2 - Partial, and 3 - Incomplete.
TOTAL_NUMBER_OF_ORDERS	NUMERIC(8)	This column stores the total number of orders.
USER_RK	NUMERIC(8)	This column contains a retained surrogate key for an MRP controller.

Table 10.22 SCENARIO_PARAMS Table

Name	Data Type	Comment
CHANGE_TYPE	NUMERIC(8)	This column contains the change type value.
KPI	NUMERIC(8)	This column contains values for different key performance indicators.
KPI_MAX_VAL	NUMERIC(8)	This column contains the maximum value for the key performance indicator.
KPI_MIN_VAL	NUMERIC(8)	This column contains the minimum value for the key performance indicator.
KPI_VAL	NUMERIC(8)	This column contains a value of the key performance indicator.
KPI_VAL_TYPE	NUMERIC(8)	This column contains the type of the key performance indicator value.
SCENARIO_ID	CHARACTER(80)	This column stores the unique identifier of the scenario.
SET_NM	CHARACTER(50)	This column stores the name of the set.

Table 10.23 SCENARIOS Table

Name	Data Type	Comment
CREATED_BY	CHARACTER(100)	This column contains the name of the person who created the scenario.
CREATION_DTTM	NUMERIC(8)	This column contains the date and time details of creation of the scenario.
EMAIL_FLG	NUMERIC(8)	This column contains a flag for e-mail.
EMAIL_SENT	NUMERIC(8)	This column contains the e-mail sent notification.
FS_PROJECT_NM	CHARACTER(32)	This column contains the name of the SAS Forecast Studio project.
LASTMODIFICATION_DTTM	NUMERIC(8)	This column contains the date and time details of the last modification in the scenario.
SCENARIO_DESC	CHARACTER(255)	This column stores the description of the scenario.
SCENARIO_ID	CHARACTER(80)	This column stores the unique identifier of the scenario.
SCENARIO_NM	CHARACTER(255)	This column stores the name of the scenario.
SCENARIO_STATUS	CHARACTER(50)	This column stores the status of the scenario.
SCENARIO_TYPE	CHARACTER(50)	This column stores the type of scenario.
SELECTIONS	NUMERIC(8)	This column stores the number of selections.
THRESHOLD	NUMERIC(8)	This column contains the threshold value.

Table 10.24 SUGGESTED_ORDER_DETAIL Table

Name	Data Type	Comment
ASSEMBLY_FLG	CHARACTER(3)	This column contains a flag that indicates whether the item is assembled or not.
DELIVERY_DAYS	NUMERIC(8)	This column contains the average lead time (in days) for transporting an item to a facility.
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for a facility.
FACILITY_NM	CHARACTER(40)	This column contains the facility name.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FROM_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for the predecessor facility.
HIDE_RECORD_IND	NUMERIC(8)	This column contains an indicator to hide the record.
INVENTORY_EXCESS	NUMERIC(8)	This column contains the inventory excess amount.
INVENTORY_SHORTAGE	NUMERIC(8)	This column contains the inventory shortage value.
ITEM_EDIT_IND	NUMERIC(8)	This column indicates whether the item is edited or not.

Name	Data Type	Comment
ITEM_GROUP_DESC	CHARACTER(765)	This column contains a description for the item group.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for an item.
ITEM_INCEPTION	CHARACTER(765)	This column contains a description of whether the item is made or bought.
ITEM_NM	CHARACTER(120)	This column contains the name of the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_STATUS_DESC	CHARACTER(765)	This column contains a description of the item status.
ITEM_TYPE_DESC	CHARACTER(765)	This column contains a description of the item type.
KIT_ITEM_IND	NUMERIC(8)	This column indicates whether the item is a kit item or not.
KITTING_POINT_IND	NUMERIC(8)	This column indicates whether the item is bundled at this facility or not.
LOCK_ORDER_IND	NUMERIC(8)	This column contains an indicator of whether the order is locked or not.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
OPTIMAL_ONHAND	NUMERIC(8)	This column contains the optimal on-hand inventory after transshipment.
ORDER_AMOUNT	NUMERIC(8)	This column contains the order amount.
ORDER_EDIT_IND	NUMERIC(8)	This column indicates whether the suggested order is edited or not.
ORDER_EDITOR_RK	NUMERIC(8)	This column contains a retained surrogate key for a user who edits the order.
ORDER_EXCEEDS_MAX_QTY_IND	NUMERIC(8)	This column indicates whether the order quantity exceeds the maximum order quantity or not.
ORDER_MAX	NUMERIC(8)	This column contains the maximum order quantity for a facility and item pair.
ORDER_SOURCE_ID	CHARACTER(32)	This column contains a unique identifier for the source of the order.
ORDER_SOURCE_NM	CHARACTER(40)	This column contains the order source name.
ORDERING_COST_AMT	NUMERIC(8)	This column contains the fixed ordering cost for the facility and item pair.
PLAN_ID	CHARACTER(60)	This column contains the plan identifier.
PRIMARY_VENDOR_IND	NUMERIC(8)	This column indicates whether the vendor is a primary vendor or not.
REPL_PLAN_TYPE	NUMERIC(8)	This column contains the replenishment plan type. The possible values are: 0 - Primary, 1 - Primary and Alternative, 2 - Partial, and 3 - Incomplete.
SAFETY_STOCK	NUMERIC(8)	This column stores the safety stock value.

Name	Data Type	Comment
SOURCE_TYPE	NUMERIC(8)	This column stores the source type. Possible values are: 0 - Primary channel, 1 - Alternate channel.
SUBSTITUTE_FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility where the substitute item is available.
SUBSTITUTE_FACILITY_NM	CHARACTER(40)	This column contains the name of the facility where the substitute item is available.
SUBSTITUTE_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for the facility where the substitute item is available.
SUBSTITUTE_ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the substitute item.
SUBSTITUTE_ITEM_IND	NUMERIC(8)	This column indicates whether the substitute item is available or not.
SUBSTITUTE_ITEM_NM	CHARACTER(40)	This column contains the name of the substitute item.
SUBSTITUTE_ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for the substitute item.
TRANSFER_COST	NUMERIC(8)	This column stores the transfer cost.
TRANSFER_MODE	CHARACTER(765)	This column stores the mode of transfer.
USER_NM	CHARACTER(450)	This column stores the user name.
USER_RK	NUMERIC(8)	This column stores a retained surrogate key for an MRP controller.
VENDOR_ID	CHARACTER(32)	This column contains a unique identifier for a vendor.
VENDOR_NM	CHARACTER(120)	This column stores the name of the vendor.
VENDOR_RK	NUMERIC(8)	This column contains a retained surrogate key for a vendor.

Table 10.25 USER_PREFERENCES Table

Name	Data Type	Comment
COLUMN_ID	CHARACTER(10)	This column contains the name of user interface table column.
COLUMN_ORDER	CHARACTER(10)	This column contains the order in which columns need to be sorted or displayed. 1 is the highest order.
CRITERIA	NUMERIC(8)	This column contains the table sorting criteria value. The possible values are: 1 - ascending and 2 - descending.
DATAID	CHARACTER(32)	This column contains the data identifier value.
SPOID	CHARACTER(32)	This column stores the business key identifier for the employee.

CHAPTER 11

Descriptions of User Interface Analytical Result Tables

The following table provides descriptions of all the user interface analytical result tables (UIARTs). The tables are listed in alphabetical order.

Note: Some table names contain the text <Base_Period>, wherein <Base_Period> is a variable value that depends on the base period that is specified during configuration. The different base period values are as follows:

- WK for week
- MTH for month
- QTR for quarter

Table 11.1 User Interface Analytical Result Tables

No.	Name	Comment
1.	ALLFACILITIES	This table stores the aggregated KPI values along with their error high and low values across all the facilities. This table is used by the Inventory Analysis workspace.
2.	<Base Period>_FORECAST_ART	This table stores the forecast results of the ad hoc reforecasting.
3.	BUYERS	This table stores distinct valid employees along with their employee ID and full name.
4.	CHECK_EXCESS_INV	This table stores information about the excess inventory that is available at facility and item pair after transshipment.
5.	DEMAND_PROJECTION_DETAIL	This table is used to create the tables DP_DETAIL_LOW_ACCURACY, DP_DETAIL_NORMAL, DP_DETAIL_REVISITED, DP_DETAIL_SUCCESSOR.
6.	EVALUATE OUTMODELINFO	This table contains information about the selected forecast model in ad hoc reforecasting for the facility and item pair.
7.	EVALUATED TIMESERIES RESULT	This table contains original and ad hoc reforecasting output forecast result for the facility and item pair.
8.	FACILITY_ATTR	This table contains facility attributes and their descriptions. Some attributes are facility ID, facility name, facility codes. This table also contains the location and organizational hierarchy at facility level.

No.	Name	Comment
9.	FACILITY_FACE	This table stores distinct and valid Facility_RK values with their internal and external node indicators.
10.	FILTER_ATTRIBUTE_RANGE	This table contains the minimum and maximum values of MAPE, RMSE, actual demand quantity, predicted demand quantity, and error for all the forecast result groups (normal, revisited, low accuracy, and successor items). This table is used to display information in the Forecast Management workspace.
11.	FORECAST_BATCH_SUMMARY	This table contains the dates at which the forecasting and inventory optimization batch processes are run. The table is used to display information in the Forecast Management workspace.
12.	FS_FCST_DEMAND_UIART	This table stores the demand data details of a SAS Forecast Studio project.
13.	FS_PROJ_DETAIL	This table stores information about a SAS Forecast Studio project.
14.	FS_PROJ_ENTITY_LIST	This table stores the list of facility and item pairs that are used in the SAS Forecast Studio project.
15.	FS_VALID_PROJ_DETAIL	This table stores the list of SAS Forecast Studio projects that are valid in the current base period.
16.	GET_DEMAND_ACT	This table stores the actual demand that is calculated from the source for that facility and item pair for the required base period.
17.	GET_DEMAND_TGT	This table stores the target demand that is calculated by the MIRP procedure.
18.	GET_INVENTORY_COST_ACT	This table stores the inventory actual cost that is calculated as (Actual inventory quantity * Item price amount) from the source.
19.	GET_INVENTORY_COST_TGT	This table stores the target inventory cost that is calculated as (On-hand mean * Item price amount) from the output and source of the MIRP procedure.
20.	GET_KPI_MIN_MAX_HISTORY	This table stores history of service level upper bound and lower bound values, external or internal mean and variance values for demand from the output of the MIRP procedure.
21.	GET_KPI_MIN_MAX_PERIOD	This table stores the calculated upper and lower bound for service level and demand values from the output of the MIRP procedure. This table stores only the values for the period in consideration.

No.	Name	Comment
22.	GET_LEAD_TIME_ACT_TGT	This table stores actual and target values for lead time that are calculated as transit time between the primary supplying channel and the receiving location.
23.	GET_LEAD_TIME_MIN_MAX	This table contains the minimum and maximum values for lead time from the IO Node Data. These values are required for the upper and lower bound for the Alertsetting table.
24.	GET_SL_DOWNSTREAM	This table stores the actual and target values for downstream service level.
25.	GET_SL_UPSTREAM	This table stores the actual and target values for upstream service level.
26.	I_X_F_ATTR	This table stores the attributes that are required by the Scenario Development workspace for all the valid facility and item pairs.
27.	IMPORT_FORECAST_LEAD_PERIOD	This table stores the external forecast dates that are displayed in the Forecast Management workspace.
28.	IO_METRICS_ALERTSETTINGS_UIART	This table stores the upper and lower control limits for all the key performance indicators. This is a temporary table that replaces the final alert values in the TSDB table.
29.	IO_METRICS_ART	This table stores the KPI threshold values and the actual and target values for the key performance indicators. This table also contains the hierarchical values for item and facility along with the required attributes.
30.	IO_METRICS_ART_NO_VENDOR_DETAILS	This table is an intermediate table that stores the KPI threshold values and the actual and target values for the KPIs before loading the vendor attributes.
31.	IO_METRICS_ART_TEMP_VENDOR_DTLS	This table is an intermediate table that stores the KPI threshold values and the actual and target values for the KPIs along with the vendor attributes.
32.	IO_METRICS_PERIODIC_ART	This table stores the current and the forecasted values for the KPIs for the period under consideration. This table contains actual and target values for the KPIs.
33.	IO_METRICS_PERIODIC_ART_HIST	This table stores history of the current and forecasted values for the KPIs.
34.	ITEM_ATTR	This table stores the item attributes and their descriptions. Some item attributes are item ID, item name, item codes. This table also stores the item category hierarchy.

No.	Name	Comment
35.	ITEM_BUYER_LIST	This table stores the list of buyers for all the distinct items.
36.	ITEM_CATEGORY_HIER<n>	This table stores the aggregated key performance indicators and their error high and error low values for all item categories. This table is used to display information in the Inventory Analysis workspace. Note: <n> is a variable that contains the level number of item category. For example, ITEM_CATEGORY_HIER1.
37.	ITEM_VENDOR	This table stores distinct combinations of items and networks and their primary vendors.
38.	LTF_FORECAST_UI_ART	This table summarizes the long-term forecasts for all the facility and item pairs that fulfill the long-term forecasting qualification test. This table is used to display information in the Forecast Management workspace.
39.	MIRP_INVENTORY_DATA_AFTER_EDIT	This table stores inventory data required for re-optimization process run after editing of suggested orders.
40.	MIRP_OPT_MESSAGE_AFTER_EDIT	This table stores message details of the re-optimization process run after editing of suggested orders.
41.	NETWORK_FACILITY	This table stores the aggregated key performance indicators and their error high and error low values for all the facility and network combinations. This table is used to display information in the Inventory Analysis workspace.
42.	NO_HIST_FILTER_ATTRIBUTE_RANGE	This table contains the minimum and maximum values of demand quantity, external demand, external demand variance, and demand error for the facility and item pairs with no or insufficient history. This table is used to display information in the Forecast Management workspace.
43.	ORDER_BUCKET_INCOMPLETE	This table stores the facility and item pairs that belong to the incomplete replenishment plan group.
44.	ORDER_BUCKET_LOW_STOCK	This table stores the facility and item pairs that belong to the low stock group.
45.	ORDER_BUCKET_NORMAL_STOCK	This table stores the facility and item pairs that belong to the normal stock group.
46.	ORDER_BUCKET_OVER_STOCK	This table stores the facility and item pairs that belong to the overstock stock group.

No.	Name	Comment
47.	ORDER_BUCKET_PARTIAL	This table stores the facility and item pairs that belong to the partial replenishment plan group.
48.	ORDER_BUCKET_PRIMARY	This table stores the facility and item pairs that belong to the primary replenishment plan group.
49.	ORDER_BUCKET_PRIMARY_ALTERNATE	This table stores the facility and item pairs that belong to the primary and alternative replenishment plan group.
50.	ORDER_BUCKET_TYPE	This table stores categories of facility and item pairs based on their order quantities.
51.	ORDER_DETAIL	This table stores details of each order for the low stock items, such as user name, facility name, item name, source type, source name, lead time, order quantity, transfer cost, and so on.
52.	ORDER_RESULT	The table stores a summary of the orders for each user and facility, such as number of records in the normal, overstock, and low stock groups, and so on.
53.	ORDER_SUBSTITUTE_ITEM	This table stores the substitute item information that is used in the Order Suggestions workspace.
54.	ORDER_TRANSFER_COST	This table stores the transfer cost details that are required in the Order Suggestions workspace.
55.	PROJECTED_SL_AFTERTRANS	This table stores the upper and lower bounds for service level and the average projected service level that is calculated after performing transshipment.
56.	REPL_BY_PERIOD_LOOKUP	This table stores the lookup data for facility and item pairs that are used to display information in the Order Suggestions workspace.
57.	REPL_BY_PERIOD_LOWSTOCK	This table stores the period replenishment details for facility and item pairs that belong to the low stock replenishment plan.
58.	REPL_BY_PERIOD_NORMAL	This table stores the period replenishment details for facility and item pairs that belong to the normal replenishment plan.
59.	REPL_BY_PERIOD_OVERSTOCK	This table stores the period replenishment details for facility and item pairs that belong to the overstock replenishment plan.
60.	REPL_PLAN_METRICS	This table stores values of metrics such as holding cost, penalty cost, transfer cost, for low stock items.
61.	SCEN_PROMOTED_VAL_UIART	This table contains the latest promoted value of the scenario for the facility and item pair.

No.	Name	Comment
62.	SUB_GROUP_PROPERTY	This table stores the forecast subgroup names and their descriptions.
63.	SUGGESTED_ORDER_DETAIL_HIST	This table stores the original suggested orders of the edited orders.
64.	TGT_COST_TEMP	This is an intermediate table that stores all the history details for target inventory cost.
65.	TGT_DEMAND_TEMP	This is an intermediate table that stores all the history details for target demand.
66.	TIMESERIES_DETAIL	The table contains complete time series information with actual and predicted values. The lower and upper bounds details are also stored. The TIMESERIES_DETAIL_LOW_ACCURACY, TIMESERIES_DETAIL_NORMAL, TIMESERIES_DETAIL_REVISITED, and TIMESERIES_DETAIL_SUCCESSOR tables are subsets of this table. This table is used to display information in the Forecast Management workspace.
67.	TIMESERIES_DETAIL_INTERMITTENT	This table contains time series details with actual and predicted values for items with intermittent demand.
68.	TIMESERIES_DETAIL_LOW_ACCURACY	This table contains time series details for the facility and item pairs that belong to the forecast results with low accuracy group post quality analysis. This table is used to display information in the Forecast Management workspace.
69.	TIMESERIES_DETAIL_NORMAL	This table contains time series details for the facility and item pairs that belong to the normal forecast results group post quality analysis. This table is used to display information in the Forecast Management workspace.
70.	TIMESERIES_DETAIL_REVISITED	This table contains time series details for the facility and item pairs that belong to the revisited forecast results group post quality analysis. This table is used to display information in the Forecast Management workspace.
71.	TIMESERIES_DETAIL_SUCCESSOR	This table contains time series details for the facility and item pairs that belong to the forecast results group with successor items. The time series that belong to this category can also be a part of the normal, revisited, or low accuracy forecast result groups. This table is used to display information in the Forecast Management workspace.

No.	Name	Comment
72.	USER_MAPPING	This table stores all the employees with their SMCID and e-mail ID. This table is for mapping client user ID with its corresponding employee ID in the back end.
73.	VENDOR_FACILITY_ITEM	This table stores vendor details associated with the facility and item pairs.
74.	VENDOR_KIT_ITEM	This table stores vendor details associated with facility and item pairs that contain kit items.
75.	VENDORS	This table stores all the distinct vendors with their ID and name.

CHAPTER 12

Descriptions of User Interface Analytical Results Table Columns

The following table provides descriptions of all the columns in a particular analytical base table. The tables are listed in alphabetical order.

Note: Some table names contain the text <Base_Period>, wherein <Base_Period> is a variable value that depends on the base period that is specified during configuration. The different base period values are as follows:

- WK for week
- MTH for month
- QTR for quarter

Table 12.1 ALLFACILITIES Table

Name	Data Type	Comment
AGGR_SL_DOWNSTREAM_ACT	NUMERIC(8)	This column contains the aggregated actual downstream service level.
AGGR_SL_DOWNSTREAM_TGT	NUMERIC(8)	This column contains the aggregated target downstream service level.
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility. The identifier is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column stores the name of a facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_COUNT	NUMERIC(8)	This column contains the count of items.
ITEM_GROUP_NAME	CHARACTER(255)	This column contains the item group name.
NETWORK_COUNT	NUMERIC(8)	This column contains the count of network models.
ROW_COUNT	NUMERIC(8)	This column contains the count of total rows.
SPOID	CHARACTER(32)	This column contains the business key for an employee.
SUM_COST_ACT	NUMERIC(8)	This column contains the sum of the actual cost.
SUM_DEMAND_IS_ERR_HIGH	NUMERIC(8)	This column contains the sum of the demand error high values.
SUM_DEMAND_IS_ERR_LOW	NUMERIC(8)	This column contains the sum of the demand error low values.

Name	Data Type	Comment
SUM_INVENTORY_QTY_ACT	NUMERIC(8)	This column contains the sum of actual inventory quantity.
SUM_LT_IS_ERR_HIGH	NUMERIC(8)	This column contains the sum of the lead time error high values.
SUM_LT_IS_ERR_LOW	NUMERIC(8)	This column contains the sum of the lead time error low values.
SUM_SL_DOWNSTREAM_IS_ERR_HIGH	NUMERIC(8)	This column contains the sum of the downstream service level error high values.
SUM_SL_DOWNSTREAM_IS_ERR_LOW	NUMERIC(8)	This column contains the sum of the downstream service level error low values.
SUM_SL_UPSTREAM_IS_ERR_HIGH	NUMERIC(8)	This column contains the sum of the upstream service level error high values.
SUM_SL_UPSTREAM_IS_ERR_LOW	NUMERIC(8)	This column contains the sum of the upstream service level error low values.

Table 12.2 <**Base_Period**>_FORECAST_ART Table

Name	Data Type	Comment
NAME_	CHARACTER(100)	This column contains the name of the analysis variable.
ACTUAL	NUMERIC(8)	This column contains the actual demand quantity for the period.
BUCKET_TYPE	NUMERIC(8)	This column contains the forecast accuracy bucket or group name.
ERROR	NUMERIC(8)	This column stores the error in prediction for the period.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The implementation team defines the forecast groups.
FORECAST_SUBGROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast subgroup.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
LOGIN_NAME	CHARACTER(32)	This column stores the name of the user who logs on to the Forecast Management workspace.
LOWER	NUMERIC(8)	This column contains the forecasted lower limit of the aggregated demand quantity for a period.
MAPE	NUMERIC(8)	This column stores the mean absolute percent error.

Name	Data Type	Comment
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error for the forecasted values.
START_DT	NUMERIC(8)	This column contains the start date for the demand period.
STD	NUMERIC(8)	This column contains the standard deviation for a period.
UPPER	NUMERIC(8)	This column contains the forecasted upper limit for the aggregated demand quantity for a period.

Table 12.3 BUYERS Table

Name	Data Type	Comment
BUYER_ID	CHARACTER(32)	This column contains the business key identifier for the employee.
BUYER_NM	CHARACTER(150)	This column stores the name of the buyer of the item at a given facility.
BUYER_RK	NUMERIC(8)	This column contains a retained surrogate key for an employee.

Table 12.4 CHECK_EXCESS_INV Table

Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
INVENTORY_EXCESS	NUMERIC(8)	This column contains the inventory excess value.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.

Table 12.5 DEMAND_PROJECTION_DETAIL Table

Name	Data Type	Comment
ACTUAL	NUMERIC(8)	This column contains the actual demand quantity for the period.
BUCKET_NM	NUMERIC(8)	This column contains the forecast accuracy bucket or group name.
BUYER_NM	CHARACTER(150)	This column stores the name of the buyer of the item at a given facility.
ERROR	NUMERIC(8)	This column stores the error in prediction for the period.
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility. The identifier is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column stores the name of a facility.

Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FACILITY_TYPE_CD	CHARACTER(10)	This column stores the type code for the facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
FORECASTED_DEMAND	NUMERIC(8)	This column contains the forecasted demand quantity for the period.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_TYPE_CD	CHARACTER(10)	This column contains the item type code.
LOWER	NUMERIC(8)	This column contains the forecasted lower limit for the aggregated demand quantity for the period.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.
ONE_TIME_BUY	NUMERIC(8)	This column contains the one-time buy estimate value.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error.
START_DT	NUMERIC(8)	This column contains the demand start date.
STD	NUMERIC(8)	This column contains the standard deviation for period.
SUCCESSOR_ITEM_FLG	NUMERIC(8)	This column contains a flag that indicates whether the item is a successor item or not.
UPPER	NUMERIC(8)	This column contains the forecasted upper limit for the aggregated demand quantity for the period.
VENDOR_NM	CHARACTER(40)	This column contains the name of the vendor.

Table 12.6 EVALUATE OUTMODELINFO Table

Name	Data Type	Comment
MODELTYPE_	CHARACTER(32)	This column contains the name of the selected forecast model in the procedure. For example. ARIMA, ESM, UCM, and IDM.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
LOGIN_NAME	CHARACTER(32)	This column stores the name of the user who logs on to the Forecast Management workspace.

Table 12.7 EVALUATED TIMESERIES RESULT Table

Name	Data Type	Comment
NAME_	CHARACTER(100)	This column contains the name of the analysis variable.
ACTUAL_DEMAND	NUMERIC(8)	This column contains the actual demand quantity for the period.
DATE	NUMERIC(8)	This column contains the start date for the demand period.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
FORECAST_SUBGROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast subgroup
FORECASTED_DEMAND_NEW	NUMERIC(8)	This column contains the predicted demand quantity for the period after the evaluation process.
FORECASTED_DEMAND_ORIG	NUMERIC(8)	This column contains the predicted demand quantity for the period
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
LCL_NEW	NUMERIC(8)	This column contains the forecasted lower limit for the aggregated demand quantity for the period after the evaluation process.
LCL_ORIG	NUMERIC(8)	This column stores the forecasted lower limit for the aggregated demand quantity for the period.
LOGIN_NAME	CHARACTER(32)	This column stores the name of the user who logs on to the Forecast Management workspace.

Name	Data Type	Comment
MAPE_NEW	NUMERIC(8)	This column contains the mean absolute percent error after the evaluation process.
MAPE_ORIG	NUMERIC(8)	This column contains the mean absolute percent error.
RMSE_NEW	NUMERIC(8)	This column contains the root mean square error after the evaluation process.
RMSE_ORIG	NUMERIC(8)	This column contains root mean square error.
UCL_NEW	NUMERIC(8)	This column contains the forecasted upper limit for the aggregated demand quantity for the period after the evaluation process.
UCL_ORIG	NUMERIC(8)	This column contains forecasted upper limit for the aggregated demand quantity for the period.

Table 12.8 FACILITY_ATTR Table

Name	Data Type	Comment
DATA_SEL_IND	NUMERIC(8)	This column indicates whether the facility is considered for the inventory optimization process. The possible values are as follows: ❑ 1 - the facility is considered for the process ❑ 0 – the facility is not considered for the process
FAC_LOC_HIER_LVL1_NM	CHARACTER(40)	This column contains the location level 1 name.
FAC_LOC_HIER_LVL1_RK	NUMERIC(8)	This column stores a retained surrogate key for a location at level 1.
FAC_LOC_HIER_LVL2_NM	CHARACTER(40)	This column contains the location level 2 name.
FAC_LOC_HIER_LVL2_RK	NUMERIC(8)	This column stores a retained surrogate key for a location at level 2.
FAC_LOC_HIER_LVL3_NM	CHARACTER(40)	This column contains the location level 3 name.
FAC_LOC_HIER_LVL3_RK	NUMERIC(8)	This column stores a retained surrogate key for a location at level 3.
FAC_LOC_HIER_LVL4_NM	CHARACTER(40)	This column contains the location level 4 name.
FAC_LOC_HIER_LVL4_RK	NUMERIC(8)	This column stores a retained surrogate key for a location at level 4.
FAC_LOC_HIER_LVL5_NM	CHARACTER(40)	This column contains the location level 5 name.
FAC_LOC_HIER_LVL5_RK	NUMERIC(8)	This column stores a retained surrogate key for a location at level 5.

Name	Data Type	Comment
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility. The identifier is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column stores the name of the facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FACILITY_TYPE_CD	CHARACTER(10)	This column stores the type code for the facility.
FACILITY_TYPE_DESC	CHARACTER(255)	This column stores the description for the facility type.
ORG_ID	CHARACTER(32)	This column contains the business key for the organization.
ORG_NM	CHARACTER(40)	This column contains the organization name.

Table 12.9 FACILITY_FACE Table

Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
INTERNAL_EXTERNAL_NODE_FLG	CHARACTER(1)	This column contains a flag that indicates whether the node supplies demand directly to the end-customers, internal facilities, or both.

Table 12.10 FILTER_ATTRIBUTE_RANGE Table

Name	Data Type	Comment
ACTUAL_MAX	NUMERIC(8)	This column contains the maximum value of the actual demand quantity for the period.
ACTUAL_MIN	NUMERIC(8)	This column contains the minimum value of the actual demand quantity for the period.
BUCKET_NM	NUMERIC(8)	This column contains the forecast accuracy bucket or group name.
ERROR_MAX	NUMERIC(8)	This column stores the maximum value of error in prediction for the period.
ERROR_MIN	NUMERIC(8)	This column stores the minimum value of error in prediction for the period.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
MAPE_MAX	NUMERIC(8)	This column contains the maximum value of the mean absolute percent error.
MAPE_MIN	NUMERIC(8)	This column contains the minimum value of the mean absolute percent error.
PREDICT_MAX	NUMERIC(8)	This column contains the maximum value of the predicted demand quantity for the period.

Name	Data Type	Comment
PREDICT_MIN	NUMERIC(8)	This column contains the minimum value of the predicted demand quantity for the period.
RMSE_MAX	NUMERIC(8)	This column contains the maximum value of the root mean square error.
RMSE_MIN	NUMERIC(8)	This column contains the minimum value of the root mean square error.

Table 12.11 FORECAST_BATCH_SUMMARY Table

Name	Data Type	Comment
FORECAST_BATCH_END_DT	NUMERIC(8)	This column contains the end date and time details for the forecasting batch process.
FORECAST_BATCH_START_DT	NUMERIC(8)	This column contains the start date and time details for the forecasting batch process.
FORECAST_RUN_ID	CHARACTER(10)	This column stores the forecast run identifier.
IO_BATCH_RUN_DT	NUMERIC(8)	This column contains the date and time details for the inventory optimization batch process run.

Table 12.12 FS_FCST_DEMAND_UIART Table

Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FS_PROJECT_NM	CHARACTER(32)	This column contains the name of the SAS Forecast Studio project.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
MEAN	NUMERIC(8)	This column contains the mean of the demand for each facility and item pair.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.
START_DT	NUMERIC(8)	This column contains the start date for the demand period.
VARIANCE	NUMERIC(8)	This column contains the variance of the demand for each facility and item pair.

Table 12.13 FS_PROJ_DETAIL Table

Name	Data Type	Comment
CREATED_BY	NUMERIC(8)	This column contains the name of the user who created the SAS Forecast Studio project.
FCST_END_DT	CHARACTER(10)	This column contains the end date for the demand period.
FCST_START_DT	NUMERIC(8)	This column contains the start date for the demand period.
FS_PROJECT_NM	NUMERIC(8)	This column contains the name of the SAS Forecast Studio project.
LAST_MODIFIED_DTTM	NUMERIC(8)	This column contains the date and time details when the project was last modified.

Table 12.14 FS_PROJ_ENTITY_LIST Table

Name	Data Type	Comment
FORECAST_BATCH_END_DT	NUMERIC(8)	This column contains the end date and time details for the forecasting batch process.
FORECAST_BATCH_START_DT	NUMERIC(8)	This column contains the start date and time details for the forecasting batch process.
FORECAST_RUN_ID	CHARACTER(10)	This column stores a unique identifier for the forecasting batch process run.
IO_BATCH_RUN_DT	NUMERIC(8)	This column contains the date and time details for the inventory optimization batch process run.

Table 12.15 FS_VALID_PROJ_DETAIL Table

Name	Data Type	Comment
FORECAST_BATCH_END_DT	NUMERIC(8)	This column contains the end date and time details for the forecasting batch process.
FORECAST_BATCH_START_DT	NUMERIC(8)	This column contains the start date and time details for the forecasting batch process.
FORECAST_RUN_ID	CHARACTER(10)	This column stores a unique identifier for the forecasting batch process run.
IO_BATCH_RUN_DT	NUMERIC(8)	This column contains the date and time details for the inventory optimization batch process run.

Table 12.16 GET_DEMAND_ACT Table

Column Name	Data Type	Comment
ACTUAL_DEMAND	NUMERIC(8)	This column stores the actual demand that is calculated from the source.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
PERIOD_START_DT	NUMERIC(8)	This column contains the start date for the defined base period.
PROCESSED_DTTM	NUMERIC(8)	This column contains the date and time information of processing.

Table 12.17 GET_DEMAND_TGT Table

Name	Data Type	Comment
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
PERIOD_DESC	NUMERIC(8)	This column contains the actual date information for each period.
PROCESSED_DTTM	NUMERIC(8)	This column contains the date and time information of processing.
TARGET_DEMAND	NUMERIC(8)	This column contains the target demand value that is calculated for the UIART from the source.
TO_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a successor facility.

Table 12.18 GET_INVENTORY_COST_ACT Table

Name	Data Type	Comment
ACTUAL_INVENTORY_COST	NUMERIC(8)	This column contains the actual inventory cost.
ACTUAL_INVENTORY_QTY	NUMERIC(8)	This column contains the actual inventory that is calculated as an average of the closing inventory quantity.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_PRICE_AMT	NUMERIC(8)	This column contains the current price per unit of the item.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
PERIOD_START_DT	NUMERIC(8)	This column contains the start date for the defined base period.
PROCESSED_DTTM	NUMERIC(8)	This column contains the date and time information of processing.

Table 12.19 GET_INVENTORY_COST_TGT Table

Name	Data Type	Comment
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
PERIOD_DESC	NUMERIC(8)	This column contains the actual date information for each period.
PROCESSED_DTTM	NUMERIC(8)	This column contains the date and time information of processing.
REORDER_LEVEL	NUMERIC(8)	This column contains the reorder level for a facility and item pair for each period.
SAFETY_STOCK	NUMERIC(8)	This column contains the safety stock value.
TGT_INVENTORY_COST	NUMERIC(8)	This column contains the target inventory cost.
TO_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a successor facility.

Table 12.20 GET_KPI_MIN_MAX_HISTORY Table

Name	Data Type	Comment
EXTERNAL_DEMAND_MEAN	NUMERIC(8)	This column stores the external demand mean value.
EXTERNAL_DEMAND_VAR	NUMERIC(8)	This column stores the external demand variance value.
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
INTERNAL_DEMAND_MEAN	NUMERIC(8)	This column stores the internal demand mean value.
INTERNAL_DEMAND_VAR	NUMERIC(8)	This column contains the internal demand variance value.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
PERIOD_DESC	NUMERIC(8)	This column contains the actual date information for each period.
SL_LB	NUMERIC(8)	This column contains the service level lower bound.
SL_UB	NUMERIC(8)	This column contains the service level upper bound.
TO_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a successor facility.

Table 12.21 GET_KPI_MIN_MAX_PERIOD Table

Name	Data Type	Comment
Demand_LL	NUMERIC(8)	This column contains the demand lower bound value.
Demand_UL	NUMERIC(8)	This column contains the demand upper bound value.
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
PERIOD_DESC	NUMERIC(8)	This column contains the actual date information for each period.
Processed_DTTM	NUMERIC(8)	This column contains the date and time information of processing.
SL_LB	NUMERIC(8)	This column contains the service level lower bound.
SL_UB	NUMERIC(8)	This column contains the service level upper bound.
TO_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a successor facility.

Table 12.22 GET_LEAD_TIME_ACT_TGT Table

Name	Data Type	Comment
ACTUAL_LEAD_TIME	NUMERIC(8)	This column contains the actual lead time (in days).
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
INTERNAL_EXTERNAL_NODE_FLG	CHARACTER(1)	This column contains a flag that indicates whether the node supplies demand directly to the end-customers, internal facilities, or both.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
LEAD_TIME_MAX	NUMERIC(8)	This column contains the maximum lead time for transporting an item to a facility in days.
LEAD_TIME_MIN	NUMERIC(8)	This column contains the minimum lead time for transporting an item to a facility in days.
NETWORK_MODEL_NM	CHARACTER(40)	This column contains the name of the network model.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
PERIOD_START_DT	NUMERIC(8)	This column contains the start date for the defined base period.
PROCESSED_DTTM	NUMERIC(8)	This column contains the date and time information of processing.
TARGET_LEAD_TIME	NUMERIC(8)	This column contains the target lead time for transporting an item to a facility in days.

Table 12.23 GET_LEAD_TIME_MIN_MAX Table

Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
INTERNAL_EXTERNAL_NODE_FLG	CHARACTER(1)	This column contains a flag that indicates whether the node supplies demand directly to the end-customers, internal facilities, or both.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
LEAD_TIME_MAX	NUMERIC(8)	This column contains the maximum lead time for transporting an item to a facility in days.
LEAD_TIME_MIN	NUMERIC(8)	This column contains the minimum lead time for transporting an item to a facility in days.
NETWORK_MODEL_NM	CHARACTER(40)	This column contains the name of the network model.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
PERIOD_START_DT	NUMERIC(8)	This column contains the start date for the defined base period.
PROCESSED_DTTM	NUMERIC(8)	This column contains the date and time information of processing.
TARGET_LEAD_TIME	NUMERIC(8)	This column contains the target lead time for transporting an item to a facility in days.

Table 12.24 GET_SL_DOWNSTREAM Table

Name	Data Type	Comment
ACTUAL_SL_DOWNSTREAM	NUMERIC(8)	This column contains the calculated actual downstream service level (in percentage) from the source.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
PERIOD_START_DT	NUMERIC(8)	This column contains the start date for the defined base period.
PROCESSED_DTTM	NUMERIC(8)	This column contains the date and time information of processing.
TARGET_SL_DOWNSTREAM	NUMERIC(8)	This column contains the target downstream service level in percentage that is supplied by the source system and used by the MIRP procedure.

Table 12.25 GET_SL_UPSTREAM Table

Name	Data Type	Comment
ACTUAL_SL_UPSTREAM	NUMERIC(8)	This column contains the calculated actual upstream service level (in percentage) from the source.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
PERIOD_START_DT	NUMERIC(8)	This column contains the start date for the defined base period.
PROCESSED_DTTM	NUMERIC(8)	This column contains the date and time information of processing.
TARGET_SL_UPSTREAM	NUMERIC(8)	This column contains the target upstream service level in percentage that is supplied by the source system and used by the MIRP procedure.

Table 12.26 I_X_F_ATTR Table

Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
INTERNAL_EXTERNAL_NODE_FLG	CHARACTER(1)	This column contains a flag that indicates whether the node supplies demand directly to the end-customers, internal facilities, or both.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
MRP_CONTROLLER_RK	NUMERIC(8)	This column contains a retained surrogate key for an MRP controller.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
VENDOR_RK	NUMERIC(8)	This column contains a retained surrogate key for a vendor.

Table 12.27 IMPORT_FORECAST_LEAD_PERIOD Table

Name	Data Type	Comment
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
PERIOD	NUMERIC(8)	This column contains the period in the horizon.
START_DT	NUMERIC(8)	This column contains the demand start date.

Table 12.28 IO_METRICS_ALERTSETTINGS_UIART Table

Name	Data Type	Comment
DEMAND_LW_CNTRL_LIM	NUMERIC(8)	This column stores the demand lower control limit.
DEMAND_UP_CNTRL_LIM	NUMERIC(8)	This column contains the demand upper control limit value.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_CATEGORY_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
LOCATION_RK	NUMERIC(8)	This column contains a retained surrogate key for a location.
LT_LW_CNTRL_LIM	NUMERIC(8)	This column contains the lead time lower control limit.
LT_UP_CNTRL_LIM	NUMERIC(8)	This column contains the lead time upper control limit.
SL_DOWNSTREAM_LW_CNTRL_LIM	NUMERIC(8)	This column contains the downstream service level lower control limit.
SL_DOWNSTREAM_UP_CNTRL_LIM	NUMERIC(8)	This column contains the downstream service level upper control limit.
SL_UPSTREAM_LW_CNTRL_LIM	NUMERIC(8)	This column contains the upstream service level lower control limit.
SL_UPSTREAM_UP_CNTRL_LIM	NUMERIC(8)	This column contains the upstream service level upper control limit.
SPOID	CHARACTER(32)	This column contains the business key for an employee.
SPOID_PREV	CHARACTER(32)	This column contains the previous business key for an employee.

Table 12.29 IO_METRICS_ART Table

Name	Data Type	Comment
COST_ACT	NUMERIC(8)	This column contains the actual inventory cost.
COST_TGT	NUMERIC(8)	This column contains the target inventory cost.
CUSTOMER_FACING_FLG	CHARACTER(1)	This column contains a flag that indicates whether the node supplies demand directly to the end-customers, internal facilities, or both.
DEMAND_ACT	NUMERIC(8)	This column contains the actual demand that is calculated from the source.
DEMAND_FORECAST	NUMERIC(8)	This column stores the target demand that is calculated for the UIART from the source.
DEMAND_IS_ERR_HIGH	NUMERIC(8)	This column contains the demand error high value.
DEMAND_IS_ERR_LOW	NUMERIC(8)	This column contains the demand error low value.
EMPLOYEE_NM	CHARACTER(40)	This column contains the name of the employee.
FAC_LOC_HIER_LVL1_NM	CHARACTER(40)	This column contains the location level 1 name.
FAC_LOC_HIER_LVL1_RK	NUMERIC(8)	This column stores a retained surrogate key for a location at level 1.
FAC_LOC_HIER_LVL2_NM	CHARACTER(40)	This column contains the location level 2 name.
FAC_LOC_HIER_LVL2_RK	NUMERIC(8)	This column stores a retained surrogate key for a location at level 2.
FAC_LOC_HIER_LVL3_NM	CHARACTER(40)	This column contains the location level 3 name.
FAC_LOC_HIER_LVL3_RK	NUMERIC(8)	This column stores a retained surrogate key for a location at level 3.
FAC_LOC_HIER_LVL4_NM	CHARACTER(40)	This column contains the location level 4 name.
FAC_LOC_HIER_LVL4_RK	NUMERIC(8)	This column stores a retained surrogate key for a location at level 4.
FAC_LOC_HIER_LVL5_NM	CHARACTER(40)	This column contains the location level 5 name.
FAC_LOC_HIER_LVL5_RK	NUMERIC(8)	This column stores a retained surrogate key for a location at level 5.
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility. The identifier is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column stores the name of the facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.

Name	Data Type	Comment
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
INVENTORY_QTY_ACT	NUMERIC(8)	This column stores the average of the total quantity of closing inventory.
INVENTORY_TURNS	NUMERIC(8)	This column stores the actual inventory turns.
ITEM_CATEGORY_LVL1_NM	CHARACTER(40)	This column contains the name of the item category level 1.
ITEM_CATEGORY_LVL1_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 1.
ITEM_CATEGORY_LVL10_NM	CHARACTER(40)	This column contains the name of the item category level 10.
ITEM_CATEGORY_LVL10_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 10.
ITEM_CATEGORY_LVL2_NM	CHARACTER(40)	This column contains the name of the item category level 2.
ITEM_CATEGORY_LVL2_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 2.
ITEM_CATEGORY_LVL3_NM	CHARACTER(40)	This column contains the name of the item category level 3.
ITEM_CATEGORY_LVL3_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 3.
ITEM_CATEGORY_LVL4_NM	CHARACTER(40)	This column contains the name of the item category level 4.
ITEM_CATEGORY_LVL4_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 4.
ITEM_CATEGORY_LVL5_NM	CHARACTER(40)	This column contains the name of the item category level 5.
ITEM_CATEGORY_LVL5_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 5.
ITEM_CATEGORY_LVL6_NM	CHARACTER(40)	This column contains the name of the item category level 6.
ITEM_CATEGORY_LVL6_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 6.
ITEM_CATEGORY_LVL7_NM	CHARACTER(40)	This column contains the name of the item category level 7.
ITEM_CATEGORY_LVL7_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 7.
ITEM_CATEGORY_LVL8_NM	CHARACTER(40)	This column contains the name of the item category level 8.
ITEM_CATEGORY_LVL8_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 8.
ITEM_CATEGORY_LVL9_NM	CHARACTER(40)	This column contains the name of the item category level 9.
ITEM_CATEGORY_LVL9_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 9.
ITEM_GROUP_NAME	CHARACTER(255)	This column contains the item group name.

Name	Data Type	Comment
ITEM_ID	CHARACTER(40)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_PRICE_AMT	NUMERIC(8)	This column contains the current price per unit of the item.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
LT_ACT	NUMERIC(8)	This column contains the actual lead time.
LT_IS_ERR_HIGH	NUMERIC(8)	This column contains the lead time error high.
LT_IS_ERR_LOW	NUMERIC(8)	This column contains the lead time error low.
LT_TGT	NUMERIC(8)	This column contains the target lead time for transporting an item to a facility in days.
MRP_CONTROLLER_RK	NUMERIC(8)	This column contains a retained surrogate key for an MRP controller.
NETWORK_MODEL_NM	CHARACTER(40)	This column contains the name of the network model.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
ORDER_UPTO_LEVEL	NUMERIC(8)	This column contains the order-up-to level for a facility and item pair for each period.
REORDER_LEVEL	NUMERIC(8)	This column contains the reorder level of a facility and item pair for each period.
SAFETY_STOCK	NUMERIC(8)	This column contains the safety stock value.
SL_DOWNSTREAM_ACT	NUMERIC(8)	This column contains the actual downstream service level value.
SL_DOWNSTREAM_IS_ERR_HIGH	NUMERIC(8)	This column contains the downstream service level error high.
SL_DOWNSTREAM_IS_ERR_LOW	NUMERIC(8)	This column contains the downstream service level error low.
SL_DOWNSTREAM_TGT	NUMERIC(8)	This column contains the target downstream service level.
SL_UPSTREAM_ACT	NUMERIC(8)	This column contains the actual upstream service level.
SL_UPSTREAM_IS_ERR_HIGH	NUMERIC(8)	This column contains the upstream service level error high.
SL_UPSTREAM_IS_ERR_LOW	NUMERIC(8)	This column contains the upstream service level error low.
SL_UPSTREAM_TGT	NUMERIC(8)	This column contains the target upstream service level.
SPOID	CHARACTER(32)	This column contains the business key for an employee.

Name	Data Type	Comment
VENDOR_NM	CHARACTER(40)	This column contains the name of the vendor.
VENDOR_RK	NUMERIC(8)	This column contains a retained surrogate key for a vendor.

Table 12.30 IO_METRICS_ART_NO_VENDOR_DETAILS Table

Name	Data Type	Comment
COST_ACT	NUMERIC(8)	This column contains the actual inventory cost.
COST_TGT	NUMERIC(8)	This column contains the target inventory cost.
CUSTOMER_FACING_FLG	CHARACTER(1)	This column contains a flag that indicates whether the node supplies demand directly to the end-customers, internal facilities, or both.
DEMAND_ACT	NUMERIC(8)	This column contains the actual demand that is calculated from the source.
DEMAND_FORECAST	NUMERIC(8)	This column stores the target demand that is calculated for the UIART from the source.
DEMAND_IS_ERR_HIGH	NUMERIC(8)	This column contains the demand error high value.
DEMAND_IS_ERR_LOW	NUMERIC(8)	This column contains the demand error low value.
FAC_LOC_HIER_LVL1_NM	CHARACTER(40)	This column contains the location level 1 name.
FAC_LOC_HIER_LVL1_RK	NUMERIC(8)	This column stores a retained surrogate key for a location at level 1.
FAC_LOC_HIER_LVL2_NM	CHARACTER(40)	This column contains the location level 2 name.
FAC_LOC_HIER_LVL2_RK	NUMERIC(8)	This column stores a retained surrogate key for a location at level 2.
FAC_LOC_HIER_LVL3_NM	CHARACTER(40)	This column contains the location level 3 name.
FAC_LOC_HIER_LVL3_RK	NUMERIC(8)	This column stores a retained surrogate key for a location at level 3.
FAC_LOC_HIER_LVL4_NM	CHARACTER(40)	This column contains the location level 4 name.
FAC_LOC_HIER_LVL4_RK	NUMERIC(8)	This column stores a retained surrogate key for a location at level 4.
FAC_LOC_HIER_LVL5_NM	CHARACTER(40)	This column contains the location level 5 name.
FAC_LOC_HIER_LVL5_RK	NUMERIC(8)	This column stores a retained surrogate key for a location at level 5.
FACILITY_ID	CHARACTER(40)	This column contains a unique identifier for the facility. The identifier is generated by the source system.

Name	Data Type	Comment
FACILITY_NM	CHARACTER(40)	This column stores the name of the facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FIRST_NM	CHARACTER(40)	This column contains the first name.
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
INVENTORY_QTY_ACT	NUMERIC(8)	This column stores the average of the total quantity of closing inventory.
INVENTORY_TURNS	NUMERIC(8)	This column stores the actual inventory turns.
ITEM_CATEGORY_LVL1_NM	CHARACTER(40)	This column contains the name of the item category level 1.
ITEM_CATEGORY_LVL1_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 1.
ITEM_CATEGORY_LVL10_NM	CHARACTER(40)	This column contains the name of the item category level 10.
ITEM_CATEGORY_LVL10_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 10.
ITEM_CATEGORY_LVL2_NM	CHARACTER(40)	This column contains the name of the item category level 2.
ITEM_CATEGORY_LVL2_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 2.
ITEM_CATEGORY_LVL3_NM	CHARACTER(40)	This column contains the name of the item category level 3.
ITEM_CATEGORY_LVL3_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 3.
ITEM_CATEGORY_LVL4_NM	CHARACTER(40)	This column contains the name of the item category level 4.
ITEM_CATEGORY_LVL4_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 4.
ITEM_CATEGORY_LVL5_NM	CHARACTER(40)	This column contains the name of the item category level 5.
ITEM_CATEGORY_LVL5_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 5.
ITEM_CATEGORY_LVL6_NM	CHARACTER(40)	This column contains the name of the item category level 6.
ITEM_CATEGORY_LVL6_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 6.
ITEM_CATEGORY_LVL7_NM	CHARACTER(40)	This column contains the name of the item category level 7.
ITEM_CATEGORY_LVL7_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 7.
ITEM_CATEGORY_LVL8_NM	CHARACTER(40)	This column contains the name of the item category level 8.
ITEM_CATEGORY_LVL8_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 8.
ITEM_CATEGORY_LVL9_NM	CHARACTER(40)	This column contains the name of the item category level 9.

Name	Data Type	Comment
ITEM_CATEGORY_LVL9_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 9.
ITEM_GROUP_NAME	CHARACTER(255)	This column contains the item group name.
ITEM_ID	CHARACTER(40)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_PRICE_AMT	NUMERIC(8)	This column contains the current price per unit of the item.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
LAST_NM	CHARACTER(40)	This column contains the last name.
LT_ACT	NUMERIC(8)	This column contains the actual lead time.
LT_IS_ERR_HIGH	NUMERIC(8)	This column contains the lead time error high.
LT_IS_ERR_LOW	NUMERIC(8)	This column contains the lead time error low.
LT_TGT	NUMERIC(8)	This column contains the target lead time for transporting an item to a facility in days.
MIDDLE_NM	CHARACTER(40)	This column contains the middle name.
MRP_CONTROLLER_RK	NUMERIC(8)	This column contains a retained surrogate key for an MRP controller.
NETWORK_MODEL_NM	CHARACTER(40)	This column contains the name of the network model.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
ORDER_UPTO_LEVEL	NUMERIC(8)	This column contains the order-up-to level for a facility and item pair for each period.
REORDER_LEVEL	NUMERIC(8)	This column contains the reorder level of a facility and item pair for each period.
SAFETY_STOCK	NUMERIC(8)	This column contains the safety stock value.
SL_DOWNSTREAM_ACT	NUMERIC(8)	This column contains the actual downstream service level value.
SL_DOWNSTREAM_IS_ERR_HIGH	NUMERIC(8)	This column contains the downstream service level error high.
SL_DOWNSTREAM_IS_ERR_LOW	NUMERIC(8)	This column contains the downstream service level error low.
SL_DOWNSTREAM_TGT	NUMERIC(8)	This column contains the target downstream service level.
SL_UPSTREAM_ACT	NUMERIC(8)	This column contains the actual upstream service level.
SL_UPSTREAM_IS_ERR_HIGH	NUMERIC(8)	This column contains the upstream service level error high.
SL_UPSTREAM_IS_ERR_LOW	NUMERIC(8)	This column contains the upstream service level error low.

Name	Data Type	Comment
SL_UPSTREAM_TGT	NUMERIC(8)	This column contains the target upstream service level.
SPOID	CHARACTER(32)	This column contains the business key for an employee.

Table 12.31 IO_METRICS_ART_TEMP_VENDOR_DTLS Table

Name	Data Type	Comment
COST_ACT	NUMERIC(8)	This column contains the actual inventory cost.
COST_TGT	NUMERIC(8)	This column contains the target inventory cost.
CUSTOMER_FACING_FLG	CHARACTER(1)	This column contains a flag that indicates whether the node supplies demand directly to the end-customers, internal facilities, or both.
DEMAND_ACT	NUMERIC(8)	This column contains the actual demand that is calculated from the source.
DEMAND_FORECAST	NUMERIC(8)	This column stores the target demand that is calculated for the UIART from the source.
DEMAND_IS_ERR_HIGH	NUMERIC(8)	This column contains the demand error high value.
DEMAND_IS_ERR_LOW	NUMERIC(8)	This column contains the demand error low value.
EMPLOYEE_NM	CHARACTER(40)	This column contains the name of the employee.
FAC_LOC_HIER_LVL1_NM	CHARACTER(40)	This column contains the location level 1 name.
FAC_LOC_HIER_LVL1_RK	NUMERIC(8)	This column stores a retained surrogate key for a location at level 1.
FAC_LOC_HIER_LVL2_NM	CHARACTER(40)	This column contains the location level 2 name.
FAC_LOC_HIER_LVL2_RK	NUMERIC(8)	This column stores a retained surrogate key for a location at level 2.
FAC_LOC_HIER_LVL3_NM	CHARACTER(40)	This column contains the location level 3 name.
FAC_LOC_HIER_LVL3_RK	NUMERIC(8)	This column stores a retained surrogate key for a location at level 3.
FAC_LOC_HIER_LVL4_NM	CHARACTER(40)	This column contains the location level 4 name.
FAC_LOC_HIER_LVL4_RK	NUMERIC(8)	This column stores a retained surrogate key for a location at level 4.
FAC_LOC_HIER_LVL5_NM	CHARACTER(40)	This column contains the location level 5 name.
FAC_LOC_HIER_LVL5_RK	NUMERIC(8)	This column stores a retained surrogate key for a location at level 5.

Name	Data Type	Comment
FACILITY_ID	CHARACTER(40)	This column contains a unique identifier for the facility. The identifier is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column stores the name of the facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
INVENTORY_QTY_ACT	NUMERIC(8)	This column stores the average of the total quantity of closing inventory.
INVENTORY_TURNS	NUMERIC(8)	This column stores the actual inventory turns.
ITEM_CATEGORY_LVL1_NM	CHARACTER(40)	This column contains the name of the item category level 1.
ITEM_CATEGORY_LVL1_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 1.
ITEM_CATEGORY_LVL10_NM	CHARACTER(40)	This column contains the name of the item category level 10.
ITEM_CATEGORY_LVL10_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 10.
ITEM_CATEGORY_LVL2_NM	CHARACTER(40)	This column contains the name of the item category level 2.
ITEM_CATEGORY_LVL2_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 2.
ITEM_CATEGORY_LVL3_NM	CHARACTER(40)	This column contains the name of the item category level 3.
ITEM_CATEGORY_LVL3_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 3.
ITEM_CATEGORY_LVL4_NM	CHARACTER(40)	This column contains the name of the item category level 4.
ITEM_CATEGORY_LVL4_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 4.
ITEM_CATEGORY_LVL5_NM	CHARACTER(40)	This column contains the name of the item category level 5.
ITEM_CATEGORY_LVL5_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 5.
ITEM_CATEGORY_LVL6_NM	CHARACTER(40)	This column contains the name of the item category level 6.
ITEM_CATEGORY_LVL6_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 6.
ITEM_CATEGORY_LVL7_NM	CHARACTER(40)	This column contains the name of the item category level 7.
ITEM_CATEGORY_LVL7_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 7.
ITEM_CATEGORY_LVL8_NM	CHARACTER(40)	This column contains the name of the item category level 8.
ITEM_CATEGORY_LVL8_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 8.

Name	Data Type	Comment
ITEM_CATEGORY_LVL9_NM	CHARACTER(40)	This column contains the name of the item category level 9.
ITEM_CATEGORY_LVL9_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 9.
ITEM_GROUP_NAME	CHARACTER(255)	This column contains the item group name.
ITEM_ID	CHARACTER(40)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_PRICE_AMT	NUMERIC(8)	This column contains the current price per unit of the item.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
LT_ACT	NUMERIC(8)	This column contains the actual lead time.
LT_IS_ERR_HIGH	NUMERIC(8)	This column contains the lead time error high.
LT_IS_ERR_LOW	NUMERIC(8)	This column contains the lead time error low.
LT_TGT	NUMERIC(8)	This column contains the target lead time for transporting an item to a facility in days.
MRP_CONTROLLER_RK	NUMERIC(8)	This column contains a retained surrogate key for an MRP controller.
NETWORK_MODEL_NM	CHARACTER(40)	This column contains the name of the network model.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
ORDER_UPTO_LEVEL	NUMERIC(8)	This column contains the order up-to level for a facility and item pair for each period.
REORDER_LEVEL	NUMERIC(8)	This column contains the reorder level of a facility and item pair for each period.
SAFETY_STOCK	NUMERIC(8)	This column contains the safety stock value.
SL_DOWNSTREAM_ACT	NUMERIC(8)	This column contains the actual downstream service level value.
SL_DOWNSTREAM_IS_ERR_HIGH	NUMERIC(8)	This column contains the downstream service level error high.
SL_DOWNSTREAM_IS_ERR_LOW	NUMERIC(8)	This column contains the downstream service level error low.
SL_DOWNSTREAM_TGT	NUMERIC(8)	This column contains the target downstream service level.
SL_UPSTREAM_ACT	NUMERIC(8)	This column contains the actual upstream service level.
SL_UPSTREAM_IS_ERR_HIGH	NUMERIC(8)	This column contains the upstream service level error high.
SL_UPSTREAM_IS_ERR_LOW	NUMERIC(8)	This column contains the upstream service level error low.

Name	Data Type	Comment
SL_UPSTREAM_TGT	NUMERIC(8)	This column contains the target upstream service level.
SPOID	CHARACTER(32)	This column contains the business key for an employee.
VENDOR_NM	CHARACTER(40)	This column contains the name of the vendor.
VENDOR_RK	NUMERIC(8)	This column contains a retained surrogate key for a vendor.

Table 12.32 IO_METRICS_PERIODIC_ART Table

Name	Data Type	Comment
COST_ACT	NUMERIC(8)	This column contains the actual inventory cost.
COST_TGT	NUMERIC(8)	This column contains the target inventory cost.
DEMAND_ACT	NUMERIC(8)	This column contains the actual demand that is calculated from the source.
DEMAND_FORECAST	NUMERIC(8)	This column stores the target demand that is calculated for the UIART from the source.
FACILITY_ID	CHARACTER(40)	This column contains a unique identifier for the facility. The identifier is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column stores the name of the facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
INVENTORY_QTY_ACT	NUMERIC(8)	This column stores the average of the total quantity of closing inventory.
ITEM_ID	CHARACTER(40)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column stores the name of the item.
ITEM_PRICE_AMT	NUMERIC(8)	This column contains the current price per unit of the item.
INTERNAL_EXTERNAL_NODE_FLG	CHARACTER(1)	This column contains a flag that indicates whether the node supplies demand directly to the end-customers, internal facilities, or both.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
KPI_RUN_DT	NUMERIC(8)	This column contains the actual date information for each period.
LT_ACT	NUMERIC(8)	This column contains the actual lead time.

Name	Data Type	Comment
LT_TGT	NUMERIC(8)	This column contains the target lead time for transporting an item to a facility in days.
MRP_CONTROLLER_RK	NUMERIC(8)	This column contains a retained surrogate key for an MRP controller.
NETWORK_MODEL_NM	CHARACTER(40)	This column contains the name of the network model.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
ORDER_UPTO_LEVEL	NUMERIC(8)	This column contains the order-up-to level for a facility and item pair for each period.
REORDER_LEVEL	NUMERIC(8)	This column contains the reorder level of a facility and item pair for each period.
SAFETY_STOCK	NUMERIC(8)	This column contains the safety stock value.
SL_DOWNSTREAM_ACT	NUMERIC(8)	This column contains the actual downstream service level value.
SL_DOWNSTREAM_TGT	NUMERIC(8)	This column contains the target downstream service level.
SL_UPSTREAM_ACT	NUMERIC(8)	This column contains the actual upstream service level.
SL_UPSTREAM_TGT	NUMERIC(8)	This column contains the target upstream service level.

Table 12.33 IO_METRICS_PERIODIC_ART_HIST Table

Name	Data Type	Comment
COST_ACT	NUMERIC(8)	This column contains the actual inventory cost.
COST_TGT	NUMERIC(8)	This column contains the target inventory cost.
DEMAND_ACT	NUMERIC(8)	This column contains the actual demand that is calculated from the source.
DEMAND_FORECAST	NUMERIC(8)	This column stores the target demand that is calculated for the UIART from the source.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
INTERNAL_EXTERNAL_NODE_FLG	CHARACTER(1)	This column contains a flag that indicates whether the node supplies demand directly to the end-customers, internal facilities, or both.
INVENTORY_QTY_ACT	NUMERIC(8)	This column stores the average of the total quantity of the closing inventory.
ITEM_PRICE_AMT	NUMERIC(8)	This column contains the current price per unit of the item.

Name	Data Type	Comment
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
KPI_RUN_DT	NUMERIC(8)	This column contains the actual date information for each period.
LT_ACT	NUMERIC(8)	This column contains the actual lead time.
LT_TGT	NUMERIC(8)	This column contains the target lead time for transporting an item to a facility in days.
MRP_CONTROLLER_RK	NUMERIC(8)	This column contains a retained surrogate key for an MRP controller.
NETWORK_MODEL_NM	CHARACTER(40)	This column contains the name of the network model.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
ORDER_UPTO_LEVEL	NUMERIC(8)	This column contains the order-up-to level for a facility and item pair for each period.
REORDER_LEVEL	NUMERIC(8)	This column contains the reorder level of a facility and item pair for each period.
SAFETY_STOCK	NUMERIC(8)	This column contains the safety stock value.
SL_DOWNSTREAM_ACT	NUMERIC(8)	This column contains the actual downstream service level value.
SL_DOWNSTREAM_TGT	NUMERIC(8)	This column contains the target downstream service level.
SL_UPSTREAM_ACT	NUMERIC(8)	This column contains the actual upstream service level.
SL_UPSTREAM_TGT	NUMERIC(8)	This column contains the target upstream service level.

Table 12.34 ITEM_ATTR Table

Name	Data Type	Comment
ASSEMBLY_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item is assembled or not.
DATA_SEL_IND	NUMERIC(8)	This column indicates whether the item is considered for the inventory optimization process. The possible values are as follows: ❑ 1 - the item is considered for the process ❑ 0 – the item is not considered for the process
FINISHED_GOOD_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item is a finished good or not.
ITEM_CATEGORY_LVL1_NM	CHARACTER(40)	This column contains the name of the item category level 1.
ITEM_CATEGORY_LVL1_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 1.
ITEM_CATEGORY_LVL10_NM	CHARACTER(40)	This column contains the name of the item category level 10.
ITEM_CATEGORY_LVL10_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 10.
ITEM_CATEGORY_LVL2_NM	CHARACTER(40)	This column contains the name of the item category level 2.
ITEM_CATEGORY_LVL2_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 2.
ITEM_CATEGORY_LVL3_NM	CHARACTER(40)	This column contains the name of the item category level 3.
ITEM_CATEGORY_LVL3_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 3.
ITEM_CATEGORY_LVL4_NM	CHARACTER(40)	This column contains the name of the item category level 4.
ITEM_CATEGORY_LVL4_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 4.
ITEM_CATEGORY_LVL5_NM	CHARACTER(40)	This column contains the name of the item category level 5.
ITEM_CATEGORY_LVL5_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 5.
ITEM_CATEGORY_LVL6_NM	CHARACTER(40)	This column contains the name of the item category level 6.
ITEM_CATEGORY_LVL6_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 6.
ITEM_CATEGORY_LVL7_NM	CHARACTER(40)	This column contains the name of the item category level 7.
ITEM_CATEGORY_LVL7_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 7.

Name	Data Type	Comment
ITEM_CATEGORY_LVL8_NM	CHARACTER(40)	This column contains the name of the item category level 8.
ITEM_CATEGORY_LVL8_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 8.
ITEM_CATEGORY_LVL9_NM	CHARACTER(40)	This column contains the name of the item category level 9.
ITEM_CATEGORY_LVL9_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level 9.
ITEM_GROUP_CD	CHARACTER(10)	This column contains the item group code.
ITEM_GROUP_DESC	CHARACTER(255)	This column contains the item group description.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_STATUS_CD	CHARACTER(10)	This column contains a code that indicates the item status.
ITEM_STATUS_DESC	CHARACTER(255)	This column contains the item status description.
ITEM_TYPE_CD	CHARACTER(10)	This column contains the item type code.
ITEM_TYPE_DESC	CHARACTER(255)	This column contains the item type description.
MAKE_OR_BUY_CD	CHARACTER(10)	This column contains a code that indicates whether the item is manufactured internally or bought from an external vendor. For example: ❑ MAK - Make items ❑ BUY - Bought items
MAKE_OR_BUY_DESC	CHARACTER(255)	This column contains a description for the code that indicates whether the item is manufactured or bought.

Table 12.35 ITEM_BUYER_LIST Table

Name	Data Type	Comment
BUYER_LIST	CHARACTER(3000)	This column contains a list of all the buyers for the item.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.

Table 12.36 ITEM_CATEGORY_HIER<n> Table

Column Name	Data Type	Comment
AGGR_INVENTORY_TURNS	NUMERIC(8)	This column contains the aggregated actual inventory turns.
AGGR_SL_DOWNSTREAM_ACT	NUMERIC(8)	This column contains the aggregated actual downstream service level.
AGGR_SL_DOWNSTREAM_TGT	NUMERIC(8)	This column contains the aggregated target downstream service level.
FACILITY_COUNT	NUMERIC(8)	This column stores the count of facilities.
ITEM_CATEGORY_NM	CHARACTER(40)	This column contains the name of the item category.
ITEM_CATEGORY_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category.
ITEM_COUNT	NUMERIC(8)	This column contains the count of items.
ITEM_GROUP_NAME	CHARACTER(255)	This column contains the item group name.
PARENT	NUMERIC(8)	This column contains the retained surrogate key for the parent of the item category.
ROW_COUNT	NUMERIC(8)	This column contains the count of total rows.
SPOID	CHARACTER(32)	This column contains the business key for an employee.
SUM_COST_ACT	NUMERIC(8)	This column contains the sum of the actual cost.
SUM_DEMAND_IS_ERR_HIGH	NUMERIC(8)	This column contains the sum of the demand error high values.
SUM_DEMAND_IS_ERR_LOW	NUMERIC(8)	This column contains the sum of the demand error low values.
SUM_INVENTORY_QTY_ACT	NUMERIC(8)	This column contains the sum of the actual inventory quantity.
SUM_LT_IS_ERR_HIGH	NUMERIC(8)	This column contains the sum of the lead time error high values.
SUM_LT_IS_ERR_LOW	NUMERIC(8)	This column contains the sum of the lead time error low values.
SUM_SL_DOWNSTREAM_IS_ERR_HIGH	NUMERIC(8)	This column contains the sum of the downstream service level error high values.
SUM_SL_DOWNSTREAM_IS_ERR_LOW	NUMERIC(8)	This column contains the sum of the downstream service level error low values.
SUM_SL_UPSTREAM_IS_ERR_HIGH	NUMERIC(8)	This column contains the sum of the upstream service level error high values.

Column Name	Data Type	Comment
SUM_SL_UPSTREAM_IS_ERR_LOW	NUMERIC(8)	This column contains the sum of the upstream service level error low values.

Table 12.37 ITEM_VENDOR Table

Name	Data Type	Comment
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
VENDOR_RK	NUMERIC(8)	This column contains a retained surrogate key for a vendor.

Table 12.38 LTF_FORECAST_UI_ART Table

Column Name	Data Type	Comment
ACTUAL_DEMAND_QTY	NUMERIC(8)	This column contains the aggregated actual demand quantity for the period.
BUCKET_NM	NUMERIC(8)	This column contains the forecast accuracy bucket or group name.
DIAG_FLG	CHARACTER(1)	This column stores a flag that suggests the necessity of model repository repopulation.
FACILITY_NM	CHARACTER(40)	This column stores the name of a facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FCST_FLG	CHARACTER(1)	This column contains a flag that suggests continuation of the forecast procedure. This flag is set to Y.
FIRST_PERIOD_DEMAND_DT	NUMERIC(8)	This column contains the demand start date.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
FORECASTED_DEMAND_LOWLT	NUMERIC(8)	This column contains the forecasted lower limit for the aggregated demand quantity for the period.
FORECASTED_DEMAND_QTY	NUMERIC(8)	This column contains the forecasted value of the aggregated demand quantity for the period.
FORECASTED_DEMAND_UPPLT	NUMERIC(8)	This column contains the forecasted upper limit for the aggregated demand quantity for the period.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
MODEL_NM	CHARACTER(40)	This column contains the name of the model that is used for forecasting.

Column Name	Data Type	Comment
MRP_CONTROLLER_NM	CHARACTER(150)	This column contains the MRP controller name.
PERIOD	NUMERIC(8)	This column contains the period in the horizon.
PROJECT_RUN_DTTM	NUMERIC(8)	This column contains the date and time details of the project run.
RANK_NO	NUMERIC(8)	This column contains the rank of the forecast model based on RMSE.
RMSE	NUMERIC(8)	This column contains the root mean square error.
SELECT_FLG	CHARACTER(1)	This column contains a flag that suggests the necessity of model reselection.
SUCCESSOR_ITEM	NUMERIC(8)	This column contains the items in succession.

Table 12.39 MIRP_INVENTORY_DATA_AFTER_EDIT Table

Column Name	Data Type	Comment
AMOUNT	NUMERIC(8)	This column contains the quantity of inventory that is to arrive at a location at a specified time period.
BATCH_ID	NUMERIC(8)	This column contains a unique identifier for the batch.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
IO_REF_DT	NUMERIC(8)	This column contains the reference date for populating the inventory data and demand data for the inventory optimization process.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
NETWORKID	CHARACTER(32)	This column contains the network identifier.
NODE_ID	CHARACTER(32)	This column contains the node identifier that represents a facility and item pair.
ORDER_FLAG	NUMERIC(8)	This column contains a flag that indicates whether an order can be placed at the facility and item pair or not.
ORDER_UPTO_LEVEL		This column contains the order-up-to level for the facility and item pair for the period.
PERIOD	NUMERIC(8)	This column contains the period in the planning horizon.
REORDER_LEVEL	NUMERIC(8)	This column contains the reorder level for the facility and item pair for the period.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.

Table 12.40 MIRP_OPT_MESSAGE_AFTER_EDIT Table

Column Name	Data Type	Comment
FROM_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a predecessor facility in the network.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
MESSAGE_NO	NUMERIC(8)	This column contains the message number.
MIRP_DATASET	CHARACTER(200)	This column contains the name of the MIRP table.
MIRP_MESSAGE_SK	NUMERIC(8)	This column contains a surrogate key for an MIRP message.
MIRP_RUN_DTTM	NUMERIC(8)	This column contains the date and time details for the MIRP run.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
PERIOD	NUMERIC(8)	This column contains the period in the planning horizon.
TO_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a successor facility in the network.

Table 12.41 NETWORK_FACILITY Table

Column Name	Data Type	Comment
AGGR_INVENTORY_TURNS	NUMERIC(8)	This column contains the aggregated actual inventory turns.
AGGR_SL_DOWNSTREAM_ACT	NUMERIC(8)	This column contains the aggregated actual downstream service level.
AGGR_SL_DOWNSTREAM_TGT	NUMERIC(8)	This column contains the aggregated target downstream service level.
FACILITY_NM	CHARACTER(40)	This column stores the name of the facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
ITEM_COUNT	NUMERIC(8)	This column contains the count of items.
ITEM_GROUP_NAME	CHARACTER(255)	This column contains the item group name.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the item. The identifier is generated by the source system.
NETWORK_MODEL_NM	CHARACTER(40)	This column contains the name of the network model.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
ROW_COUNT	NUMERIC(8)	This column contains the count of total rows.

Column Name	Data Type	Comment
SUM_COST_ACT	NUMERIC(8)	This column contains the sum of the actual cost.
SUM_DEMAND_IS_ERR_HIGH	NUMERIC(8)	This column contains the sum of the demand error high values.
SUM_DEMAND_IS_ERR_LOW	NUMERIC(8)	This column contains the sum of the demand error low values.
SUM_INVENTORY_QTY_ACT	NUMERIC(8)	This column contains the sum of the actual inventory quantity.
SUM_LT_IS_ERR_HIGH	NUMERIC(8)	This column contains the sum of the lead time error high values.
SUM_LT_IS_ERR_LOW	NUMERIC(8)	This column contains the sum of the lead time error low values.
SUM_SL_DOWNSTREAM_IS_ERR_HIGH	NUMERIC(8)	This column contains the sum of the downstream service level error high values.
SUM_SL_DOWNSTREAM_IS_ERR_LOW	NUMERIC(8)	This column contains the sum of the downstream service level error low values.
SUM_SL_UPSTREAM_IS_ERR_HIGH	NUMERIC(8)	This column contains the sum of the upstream service level error high values.
SUM_SL_UPSTREAM_IS_ERR_LOW	NUMERIC(8)	This column contains the sum of the upstream service level error low values.

Table 12.42 NO_HIST_FILTER_ATTRIBUTE_RANGE Table

Name	Data Type	Comment
DEMAND_ERROR_MAX	NUMERIC(8)	This column contains the maximum value of demand error for the demand period.
DEMAND_ERROR_MIN	NUMERIC(8)	This column contains the minimum value of demand error for the demand period.
DEMAND_QTY_MAX	NUMERIC(8)	This column stores the maximum value of demand order quantity for the demand period.
DEMAND_QTY_MIN	NUMERIC(8)	This column stores the minimum value of demand order quantity for the demand period.
EXTERNAL_DEMAND_MAX	NUMERIC(8)	This column stores the maximum value of external order quantity for the demand period.
EXTERNAL_DEMAND_MIN	NUMERIC(8)	This column stores the minimum value of external order quantity for the demand period.

Name	Data Type	Comment
EXTERNAL_DEMAND_VARIANCE_MAX	NUMERIC(8)	This column contains the maximum value of external demand variance for the demand period.
EXTERNAL_DEMAND_VARIANCE_MIN	NUMERIC(8)	This column contains the minimum value of external demand variance for the demand period.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.

Table 12.43 ORDER_BUCKET_INCOMPLETE Table

Column Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
ORDER_BUCKET_TYPE	NUMERIC(8)	This column contains the order bucket type code. The possible values are: 0 - Normal, 1 - Overstock, and 2 - Low stock.
REPL_PLAN_TYPE	NUMERIC(8)	This column contains the replenishment plan type. The possible values are 0 - Primary, 1 - Primary and Alternative, 2 - Partial, and 3 - Incomplete.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.

Table 12.44 ORDER_BUCKET_LOW_STOCK Table

Column Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
ORDER_BUCKET_TYPE	NUMERIC(8)	This column contains the order bucket type code. The possible values are: 0 - Normal, 1 - Overstock, and 2 - Low stock.
REPL_PLAN_TYPE	NUMERIC(8)	This column contains the replenishment plan type. The possible values are 0 -Primary, 1 - Primary and Alternative, 2 - Partial, and 3 - Incomplete.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.

Table 12.45 ORDER_BUCKET_NORMAL_STOCK Table

Column Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
ORDER_BUCKET_TYPE	NUMERIC(8)	This column contains the order bucket type code. The possible values are: 0 - Normal, 1 - Overstock, and 2 - Low stock.
REPL_PLAN_TYPE	NUMERIC(8)	This column contains the replenishment plan type. The possible values are 0 - Primary, 1 - Primary and Alternative, 2 - Partial, and 3 - Incomplete.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.

Table 12.46 ORDER_BUCKET_OVER_STOCK Table

Column Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
ORDER_BUCKET_TYPE	NUMERIC(8)	This column contains the order bucket type code. The possible values are: 0 - Normal, 1 - Overstock, and 2 - Low stock.
REPL_PLAN_TYPE	NUMERIC(8)	This column contains the replenishment plan type. The possible values are 0 - Primary, 1 - Primary and Alternative, 2 - Partial, and 3 - Incomplete.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.

Table 12.47 ORDER_BUCKET_PARTIAL Table

Column Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
ORDER_BUCKET_TYPE	NUMERIC(8)	This column contains the order bucket type code. The possible values are: 0 - Normal, 1 - Overstock, and 2 - Low stock.
REPL_PLAN_TYPE	NUMERIC(8)	This column contains the replenishment plan type. The possible values are 0 - Primary, 1 - Primary and Alternative, 2 - Partial, and 3 - Incomplete.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.

Table 12.48 ORDER_BUCKET_PRIMARY Table

Column Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
ORDER_BUCKET_TYPE	NUMERIC(8)	This column contains the order bucket type code. The possible values are: 0 - Normal, 1 - Overstock, and 2 - Low stock.
REPL_PLAN_TYPE	NUMERIC(8)	This column contains the replenishment plan type. The possible values are 0 - Primary, 1 - Primary and Alternative, 2 - Partial, and 3 - Incomplete.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.

Table 12.49 ORDER_BUCKET_PRIMARY_ALTERNATE Table

Column Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
ORDER_BUCKET_TYPE	NUMERIC(8)	This column contains the order bucket type code. The possible values are: 0 - Normal, 1 - Overstock, and 2 - Low stock.
REPL_PLAN_TYPE	NUMERIC(8)	This column contains the replenishment plan type. The possible values are 0 - Primary, 1 - Primary and Alternative, 2 - Partial, and 3 - Incomplete.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.

Table 12.50 ORDER_BUCKET_TYPE Table

Column Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
ORDER_BUCKET_TYPE	NUMERIC(8)	This column contains the order bucket type code. The possible values are: 0 - Normal, 1 - Overstock, and 2 - Low stock.
REPL_PLAN_TYPE	NUMERIC(8)	This column contains the replenishment plan type. The possible values are 0 - Primary, 1 - Primary and Alternative, 2 - Partial, and 3 - Incomplete.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.

Table 12.51 ORDER_DETAIL Table

Name	Data Type	Comment
ASSEMBLY_FLG	CHARACTER(3)	This column contains a flag that indicates whether the item is assembled or not.
DELIVERY_DAYS	NUMERIC(8)	This column contains the average lead time (in days) for transporting an item to a facility.
FACILITY_NM	CHARACTER(40)	This column contains the facility name.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FROM_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for the predecessor facility.
INVENTORY_EXCESS	NUMERIC(8)	This column contains the inventory excess amount.
ITEM_GROUP_DESC	CHARACTER(765)	This column contains a description for the item group.
ITEM_INCEPTION	CHARACTER(765)	This column contains a description of whether the item is made or bought.
ITEM_NM	CHARACTER(120)	This column contains the name of the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_STATUS_DESC	CHARACTER(765)	This column contains a description of the item status.
ITEM_TYPE_DESC	CHARACTER(765)	This column contains a description of the item type.
LOCK_ORDER_IND	NUMERIC(8)	This column contains an indicator of whether the order is locked or not.
ORDER_AMOUNT	NUMERIC(8)	This column contains the order amount.
ORDER_SOURCE	CHARACTER(120)	This column contains the order source name.
PLAN_ID	CHARACTER(60)	This column contains the plan identifier.
REPL_PLAN_TYPE	NUMERIC(8)	This column contains the replenishment plan type. The possible values are: 0 - Primary, 1 - Primary and Alternative, 2 - Partial, and 3 - Incomplete.
SOURCE_TYPE	NUMERIC(8)	This column stores the source type. Possible values are: 0 - Primary channel, 1 - Alternate channel.
TRANSFER_COST	NUMERIC(8)	This column stores the transfer cost.
TRANSFER_MODE	CHARACTER(765)	This column stores the mode of transfer.
USER_NM	CHARACTER(450)	This column stores the user name.
USER_RK	NUMERIC(8)	This column stores a retained surrogate key for an MRP controller.
VENDOR_NM	CHARACTER(120)	This column stores the name of the vendor.
VENDOR_RK	NUMERIC(8)	This column contains a retained surrogate key for a vendor.

Table 12.52 ORDER_RESULT Table

Column Name	Data Type	Comment
FACILITY_ID	CHARACTER(32)	This column contains the business key for the facility.
FACILITY_NM	CHARACTER(40)	This column stores the name of a facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
INCOMPLETE_PLAN_IND	NUMERIC(8)	This column stores the incomplete plan indicator.
LOW_STOCK_ITEM_CNT	NUMERIC(8)	This column contains the number of items in the low stock group.
NORMAL_ITEM_CNT	NUMERIC(8)	This column contains the number of items in the normal group.
ORGANIZATION_ID	CHARACTER(32)	This column contains the business key for the organization.
ORGANIZATION_NM	CHARACTER(40)	This column contains the organization name.
OVER_STOCK_ITEM_CNT	NUMERIC(8)	This column contains number of items in the overstock group.
USER_NM	CHARACTER(150)	This column contains the user name.
USER_RK	NUMERIC(8)	This column contains a retained surrogate key for a user.

Table 12.53 ORDER_SUBSTITUTE_ITEM Table

Column Name	Data Type	Comment
INVENTORY_EXCESS	NUMERIC(8)	This column contains the inventory excess value.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column stores the name of an item.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
PRIORITY_LEVEL_NO	NUMERIC(8)	This column stores the priority level for a substituting item.
SUBSTITUTE_FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility where the substitute item is available.
SUBSTITUTE_FACILITY_NM	CHARACTER(40)	This column stores the name of the facility where the substitute item is available.
SUBSTITUTE_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility where the substitute item is available.
SUBSTITUTE_ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the substitute item.

Column Name	Data Type	Comment
SUBSTITUTE_ITEM_NM	CHARACTER(40)	This column stores the name of the substitute item.
SUBSTITUTE_ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for the substitute item.

Table 12.54 ORDER_TRANSFER_COST Table

Column Name	Data Type	Comment
FROM_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a predecessor facility in the network.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
LEAD_TM	NUMERIC(8)	This column contains the average lead time for transporting an item to a facility.
LEAD_TM_NO	NUMERIC(8)	This column contains the average lead time (in days) for transporting an item to a facility.
ORDERING_COST_AMT	NUMERIC(8)	This column contains the ordering cost for an item at a particular facility and item pair.
PIPELINE_COST_AMT	NUMERIC(8)	This column contains the transportation cost of one item in transit from the predecessor facility to the successor facility.
ROUTE_TYPE_NO	NUMERIC(8)	This column contains a number that indicates the type of route.
TO_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a successor facility in the network.
TRANSFER_MODE	CHARACTER(255)	This column stores the mode of transfer.

Table 12.55 PROJECTED_SL_AFTERTRANS Table

Column Name	Data Type	Comment
AVG_LW_TARGET_SL	NUMERIC(8)	This column contains the lower bound value for the target service level.
AVG_PROJECTED_SL	NUMERIC(8)	This column contains the average projected service level.
AVG_UP_TARGET_SL	NUMERIC(8)	This column contains the upper bound value for the target service level.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
SERVICE_LEVEL_ACCEPTABLE_IND	NUMERIC(8)	This column contains an indicator that suggests whether the service level is

acceptable or not.

Table 12.56 REPL_BY_PERIOD_LOOKUP Table

Column Name	Data Type	Comment
ASSEMBLY_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item is assembled or not.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FIXED_ORDERING_COST	NUMERIC(8)	This column contains the ordering cost for a part at the particular facility and item pair.
ITEM_GROUP_DESC	CHARACTER(255)	This column contains the item group description.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_INCEPTION	CHARACTER(255)	This column contains a code that indicates whether the item is manufactured internally or bought from an external vendor. For example: ❑ MAK - Make items ❑ BUY - Bought items
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_STATUS_DESC	CHARACTER(255)	This column contains the item status description.
ITEM_TYPE_DESC	CHARACTER(255)	This column contains the item type description.
KIT_ITEM_IND	NUMERIC(8)	This column contains an indicator that suggests whether the item is a kit item or not.
KITTING_POINT_IND	NUMERIC(8)	This column indicates whether the item bundle is bundled at this facility or not.
LEAD_TM_NO	NUMERIC(8)	This column contains the average lead time for transporting an item to a facility in days.
ORDER_BUCKET_TYPE	NUMERIC(8)	This column contains the order bucket type code. The possible values are: 0 - Normal, 1 - Overstock, and 2 - Low stock.
ORDER_MAX	NUMERIC(8)	This column contains the maximum order size constraint for each facility and item pair.
ORDER_MIN	NUMERIC(8)	This column contains the minimum order quantity for each facility and item pair.
PERIOD_BETWEEN_REPL	NUMERIC(8)	This column contains the number of periods between two replenishment orders.
POLICY_TYPE_DESC	CHARACTER(255)	This column contains the policy type description for a facility and item pair.

Column Name	Data Type	Comment
SERVICE_TYPE_DESC	CHARACTER(255)	This column contains the service type description for a facility and item pair.
UNIT_COST	NUMERIC(8)	This column contains the current price per sale unit of the item.
UNIT_HOLDING_COST	NUMERIC(8)	This column contains the cost of holding one unit at the particular facility for the base period.
USER_RK	NUMERIC(8)	This column contains a retained surrogate key for a user.
VENDOR_ID	CHARACTER(32)	This column contains a unique identifier for the vendor.
VENDOR_NM	CHARACTER(40)	This column contains the name of the vendor.
VENDOR_RK	NUMERIC(8)	This column contains a retained surrogate key for a vendor.

Table 12.57 REPL_BY_PERIOD_LOWSTOCK Table

Column Name	Data Type	Comment
ALTERNATE_SOURCE_COUNT	NUMERIC(8)	This column contains the number of alternate source count.
BEGINNING_ONHAND	NUMERIC(8)	This column contains the beginning on-hand inventory.
CONFIRMED_DELIVERY	NUMERIC(8)	This column contains the confirmed delivery amount.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
INVENTORY_EXCESS	NUMERIC(8)	This column contains the inventory excess value.
INVENTORY_SHORTAGE	NUMERIC(8)	This column contains the inventory shortage value.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
OPTIMAL_FUTURE_DELIVERY	NUMERIC(8)	This column contains the optimal quantity of the future delivery.
OPTIMAL_ONHAND	NUMERIC(8)	This column contains the optimal on-hand after transshipment value.
ORDER_BUCKET_TYPE	NUMERIC(8)	This column contains the order bucket type code. The possible values are: 0 - Normal, 1 - Overstock, and 2 - Low stock.
ORDER_UPTO_LEVEL	NUMERIC(8)	This column contains the order-up-to level of a facility and item pair for each period.
PERIOD	NUMERIC(8)	This column contains the period in the horizon.
PERIOD_START_DT	NUMERIC(8)	This column contains the start date for the defined base period.

Column Name	Data Type	Comment
PROJECTED_CUSTOMER_DEMAND	NUMERIC(8)	This column contains the projected customer demand.
PROJECTED_END_ONHAND	NUMERIC(8)	This column contains the projected ending on-hand inventory.
PROJECTED_FUTURE_DELIVERY	NUMERIC(8)	This column contains the projected future delivery.
PROJECTED_INTERNAL_TRANSFER	NUMERIC(8)	This column contains the projected internal transfer orders.
PROJECTED_ONHAND	NUMERIC(8)	This column contains the projected on-hand inventory after transshipment.
PROJECTED_SERVICE_LEVEL	NUMERIC(8)	This column contains the projected service level.
REORDER_LEVEL	NUMERIC(8)	This column contains the reorder level of a facility and item pair for each period.
REPL_PLAN_TYPE	NUMERIC(8)	This column contains the replenishment plan type. The possible values are 0 - Primary, 1 - Primary and Alternative, 2 - Partial, and 3 - Incomplete.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.
SAFETY_STOCK	NUMERIC(8)	This column stores the safety stock value.
SUG_DELIVERY_FROMALTERNATE	NUMERIC(8)	This column contains the suggested delivery from alternative channels.
SUG_DELIVERY_FROMPRIMARY	NUMERIC(8)	This column contains the suggested delivery from primary channel.
SUG_ORDER_FROM_ALTERNATE	NUMERIC(8)	This column contains the suggested order from the alternative channel.
SUG_ORDER_FROMPRIMARY	NUMERIC(8)	This column contains the suggested order from the primary channel.
SUG_SHIPTO_ALTERNATE	NUMERIC(8)	This column contains the suggested shipment to alternative channels.
SUG_SHIPTO_PRIMARY	NUMERIC(8)	This column contains the suggested shipment to primary channel.
TARGET_SERVICE_LEVEL	NUMERIC(8)	This column contains the target service level.
USER_RK	NUMERIC(8)	This column contains a retained surrogate key for a user.
VARIATION_CUSTOMER_DEMAND	NUMERIC(8)	This column contains variation in the customer demand.
VARIATION_INTERNAL_TRANSFER	NUMERIC(8)	This column contains variation in the internal transfer orders.

Table 12.58 REPL_BY_PERIOD_NORMAL Table

Column Name	Data Type	Comment
ALTERNATE_SOURCE_COUNT	NUMERIC(8)	This column contains the number of alternate source count.
BEGINNING_ONHAND	NUMERIC(8)	This column contains the beginning on-hand inventory.
CONFIRMED_DELIVERY	NUMERIC(8)	This column contains the confirmed delivery amount.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
INVENTORY_EXCESS	NUMERIC(8)	This column contains the inventory excess value.
INVENTORY_SHORTAGE	NUMERIC(8)	This column contains the inventory shortage value.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
OPTIMAL_FUTURE_DELIVERY	NUMERIC(8)	This column contains the optimal quantity of the future delivery.
OPTIMAL_ONHAND	NUMERIC(8)	This column contains the optimal on-hand after transshipment value.
ORDER_BUCKET_TYPE	NUMERIC(8)	This column contains the order bucket type code. The possible values are: 0 - Normal, 1 - Overstock, and 2 - Low stock.
ORDER_UPTO_LEVEL	NUMERIC(8)	This column contains the order-up-to level of a facility and item pair for each period.
PERIOD	NUMERIC(8)	This column contains the period in the horizon.
PERIOD_START_DT	NUMERIC(8)	This column contains the start date for the defined base period.
PROJECTED_CUSTOMER_DEMAND	NUMERIC(8)	This column contains the projected customer demand.
PROJECTED_END_ONHAND	NUMERIC(8)	This column contains the projected ending on-hand inventory.
PROJECTED_FUTURE_DELIVERY	NUMERIC(8)	This column contains the projected future delivery.
PROJECTED_INTERNAL_TRANSFER	NUMERIC(8)	This column contains the projected internal transfer orders.
PROJECTED_ONHAND	NUMERIC(8)	This column contains the projected on-hand inventory after transshipment.
PROJECTED_SERVICE_LEVEL	NUMERIC(8)	This column contains the projected service level.
REORDER_LEVEL	NUMERIC(8)	This column contains the reorder level of a facility and item pair for each period.

Column Name	Data Type	Comment
REPL_PLAN_TYPE	NUMERIC(8)	This column contains the replenishment plan type. The possible values are 0 - Primary, 1 - Primary and Alternative, 2 - Partial, and 3 - Incomplete.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.
SAFETY_STOCK	NUMERIC(8)	This column stores the safety stock value.
SUG_DELIVERY_FROMALTERNATE	NUMERIC(8)	This column contains the suggested delivery from alternative channels.
SUG_DELIVERY_FROMPRIMARY	NUMERIC(8)	This column contains the suggested delivery from primary channel.
SUG_ORDER_FROM_ALTERNATE	NUMERIC(8)	This column contains the suggested order from the alternative channel.
SUG_ORDER_FROMPRIMARY	NUMERIC(8)	This column contains the suggested order from the primary channel.
SUG_SHIPTO_ALTERNATE	NUMERIC(8)	This column contains the suggested shipment to alternative channels.
SUG_SHIPTO_PRIMARY	NUMERIC(8)	This column contains the suggested shipment to primary channel.
TARGET_SERVICE_LEVEL	NUMERIC(8)	This column contains the target service level.
USER_RK	NUMERIC(8)	This column contains a retained surrogate key for a user.
VARIATION_CUSTOMER_DEMAND	NUMERIC(8)	This column contains variation in the customer demand.
VARIATION_INTERNAL_TRANSFER	NUMERIC(8)	This column contains variation in the internal transfer orders.

Table 12.59 REPL_BY_PERIOD_OVERSTOCK Table

Column Name	Data Type	Comment
ALTERNATE_SOURCE_COUNT	NUMERIC(8)	This column contains the number of alternate source count.
BEGINNING_ONHAND	NUMERIC(8)	This column contains the beginning on-hand inventory.
CONFIRMED_DELIVERY	NUMERIC(8)	This column contains the confirmed delivery amount.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
INVENTORY_EXCESS	NUMERIC(8)	This column contains the inventory excess value.
INVENTORY_SHORTAGE	NUMERIC(8)	This column contains the inventory shortage value.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.

Column Name	Data Type	Comment
OPTIMAL_FUTURE_DELIVERY	NUMERIC(8)	This column contains the optimal quantity of the future delivery.
OPTIMAL_ONHAND	NUMERIC(8)	This column contains the optimal on-hand after transshipment value.
ORDER_BUCKET_TYPE	NUMERIC(8)	This column contains the order bucket type code. The possible values are: 0 - Normal, 1 - Overstock, and 2 - Low stock.
ORDER_UPTO_LEVEL	NUMERIC(8)	This column contains the order-up-to level of a facility and item pair for each period.
PERIOD	NUMERIC(8)	This column contains the period in the horizon.
PERIOD_START_DT	NUMERIC(8)	This column contains the start date for the defined base period.
PROJECTED_CUSTOMER_DEMAND	NUMERIC(8)	This column contains the projected customer demand.
PROJECTED_END_ONHAND	NUMERIC(8)	This column contains the projected ending on-hand inventory.
PROJECTED_FUTURE_DELIVERY	NUMERIC(8)	This column contains the projected future delivery.
PROJECTED_INTERNAL_TRANSFER	NUMERIC(8)	This column contains the projected internal transfer orders.
PROJECTED_ONHAND	NUMERIC(8)	This column contains the projected on-hand inventory after transshipment.
PROJECTED_SERVICE_LEVEL	NUMERIC(8)	This column contains the projected service level.
REORDER_LEVEL	NUMERIC(8)	This column contains the reorder level of a facility and item pair for each period.
REPL_PLAN_TYPE	NUMERIC(8)	This column contains the replenishment plan type. The possible values are 0 - Primary, 1 - Primary and Alternative, 2 - Partial, and 3 - Incomplete.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.
SAFETY_STOCK	NUMERIC(8)	This column stores the safety stock value.
SUG_DELIVERY_FROMALTERNATE	NUMERIC(8)	This column contains the suggested delivery from alternative channels.
SUG_DELIVERY_FROMPRIMARY	NUMERIC(8)	This column contains the suggested delivery from primary channel.
SUG_ORDER_FROM_ALTERNATE	NUMERIC(8)	This column contains the suggested order from the alternative channel.
SUG_ORDER_FROMPRIMARY	NUMERIC(8)	This column contains the suggested order from the primary channel.
SUG_SHIPTO_ALTERNATE	NUMERIC(8)	This column contains the suggested shipment to alternative channels.
SUG_SHIPTO_PRIMARY	NUMERIC(8)	This column contains the suggested shipment to primary channel.
TARGET_SERVICE_LEVEL	NUMERIC(8)	This column contains the target service level.

Column Name	Data Type	Comment
USER_RK	NUMERIC(8)	This column contains a retained surrogate key for a user.
VARIATION_CUSTOMER_DEMAND	NUMERIC(8)	This column contains variation in the customer demand.
VARIATION_INTERNAL_TRANSFER	NUMERIC(8)	This column contains variation in the internal transfer orders.

Table 12.60 REPL_PLAN_METRICS Table

Column Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ORDER_BUCKET_TYPE	NUMERIC(8)	This column contains the order bucket type code. The possible values are: 0 - Normal, 1 - Overstock, and 2 - Low stock.
PROJECTED_HOLDING_COST	NUMERIC(8)	This column contains the projected holding cost.
PROJECTED_PENALTY_COST	NUMERIC(8)	This column contains the projected penalty cost.
PROJECTED_SERVICE_LEVEL	NUMERIC(8)	This column contains the projected service level.
PROJECTED_TRANSFER_COST	NUMERIC(8)	This column contains the projected transfer cost.
REPL_PLAN_TYPE	NUMERIC(8)	This column contains the replenishment plan type. The possible values are 0 - Primary, 1 - Primary and Alternative, 2 - Partial, and 3 - Incomplete.
RUN_DTTM	NUMERIC(8)	This column contains the date and time details when the job was run.
SERVICE_LEVEL_ACCEPTABLE_IND	NUMERIC(8)	This column contains an indicator that suggests whether the service level is acceptable or not.
SERVICE_LEVEL_LOWER_BOUND	NUMERIC(8)	This column contains the lower bound for the target service level.
SERVICE_LEVEL_UPPER_BOUND	NUMERIC(8)	This column contains the upper bound for the target service level.
TARGET_SERVICE_LEVEL	NUMERIC(8)	This column contains the target service level.
TOTAL_NUMBER_OF_ORDERS	NUMERIC(8)	This column contains the total number of orders.
TOTAL_ORDER_AMOUNT	NUMERIC(8)	This column contains the total order amount.
TOTAL_PROJECTED_COST	NUMERIC(8)	This column contains the total projected cost.
USER_RK	NUMERIC(8)	This column contains a retained surrogate key for a user.

Table 12.61 SCEN_PROMOTED_VAL_UIART Table

Column Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
LEAD_TM	NUMERIC(8)	This column stores the promoted value of the lead time (integral multiple of the base period).
LEAD_TM_NO	NUMERIC(8)	This column stores the promoted value of the lead time (in days).
SERVICE_LEVEL	NUMERIC(8)	This column contains the promoted value of the service level.
SERVICE_LEVEL_PCT	NUMERIC(8)	This column contains the promoted value of the service level (in percentage).
UNIT_COST	NUMERIC(8)	This column stores the promoted value of the unit cost.

Table 12.62 SUB_GROUP_PROPERTY Table

Column Name	Data Type	Comment
SUB_GROUP	CHARACTER(10)	This column contains the forecast subgroup code.
DESCRIPTION	CHARACTER(255)	This column contains a description for the forecast subgroup.

Table 12.63 SUGGESTED_ORDER_DETAIL_HIST Table

Column Name	Data Type	Comment
ACTION	NUMERIC(8)	This column stores a number that indicates the edit action. Possible values are 0 for user edit and 1 for optimization process.
ASSEMBLY_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item is assembled or not.
COMMENT	CHARACTER(500)	This column stores the comments.
DELIVERY_DAYS	NUMERIC(8)	This column contains the average lead time (in days) for transporting an item to a facility.
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility.
FACILITY_NM	CHARACTER(40)	This column contains the facility name.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FROM_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for the predecessor facility.
HIDE_RECORD_IND	NUMERIC(8)	This column contains an indicator to hide or display a record.

Column Name	Data Type	Comment
INVENTORY_EXCESS	NUMERIC(8)	This column contains the inventory excess value.
INVENTORY_SHORTAGE	NUMERIC(8)	This column contains the inventory shortage value.
ITEM_EDIT_IND	NUMERIC(8)	This column indicates whether the item is edited or not.
ITEM_GROUP_DESC	CHARACTER(255)	This column contains a description for the item group.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the item.
ITEM_INCEPTION	CHARACTER(255)	This column contains a description of whether the item is made or bought.
ITEM_NM	CHARACTER(40)	This column contains the name of the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_STATUS_DESC	CHARACTER(255)	This column contains a description of the item status.
ITEM_TYPE_DESC	CHARACTER(255)	This column contains a description of the item type.
KIT_ITEM_IND	NUMERIC(8)	This column contains an indicator that suggests whether the item is a kit item or not.
KITTING_POINT_IND	NUMERIC(8)	This column contains an indicator that suggests whether the item bundle is bundled at this facility or not.
LOCK_ORDER_IND	NUMERIC(8)	This column contains an indicator that suggests whether the order is locked or not.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
OPTIMAL_ONHAND	NUMERIC(8)	This column contains the optimal on-hand inventory after transshipment.
ORDER_AMOUNT	NUMERIC(8)	This column contains the order amount.
ORDER_EDIT_DATE	NUMERIC(8)	This column contains the date when the order is edited.
ORDER_EDIT_IND	NUMERIC(8)	This column contains an indicator that suggests whether the suggested order is edited or not.
ORDER_EDITOR_RK	NUMERIC(8)	This column contains a retained surrogate key for a user who edits the order.
ORDER_EXCEEDS_MAX_QTY_IND	NUMERIC(8)	This column indicates whether the order quantity exceeds the maximum order quantity or not.
ORDER_MAX	NUMERIC(8)	This column contains the maximum order quantity for a facility and item pair.

Column Name	Data Type	Comment
ORDER_SOURCE_ID	CHARACTER(32)	This column contains the business identifier for the source of the order. The ID can be a facility ID or a vendor ID depending on whether the source is an internal facility or a vendor-facing facility.
ORDER_SOURCE_NM	CHARACTER(40)	This column contains the name of the order source. The name can be a facility name or a vendor name depending on whether the source is an internal facility or a vendor-facing facility.
ORDERING_COST_AMT	NUMERIC(8)	This column contains the fixed ordering cost for the facility and item pair.
PLAN_ID	CHARACTER(20)	This column contains a unique identifier for the plan.
PRIMARY_VENDOR_IND	NUMERIC(8)	This column stores a unique identifier for a primary vendor.
REPL_PLAN_TYPE	NUMERIC(8)	This column contains the replenishment plan type. The possible values are: 0 - Primary, 1 - Primary and Alternative, 2 - Partial, and 3 - Incomplete.
SAFETY_STOCK	NUMERIC(8)	This column stores the safety stock value.
SOURCE_TYPE	NUMERIC(8)	This column stores the source type. Possible values are: 0 - Primary channel, 1 - Alternate channel.
SUBSTITUTE_FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility where the substitute item is available.
SUBSTITUTE_FACILITY_NM	CHARACTER(40)	This column contains the name of the facility where the substitute item is available.
SUBSTITUTE_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for the facility where the substitute item is available.
SUBSTITUTE_ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the substitute item.
SUBSTITUTE_ITEM_IND	NUMERIC(8)	This column contains an indicator that suggests whether the substitute item is available or not.
SUBSTITUTE_ITEM_NM	CHARACTER(40)	This column contains the name of the substitute item.
SUBSTITUTE_ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for the substitute item.
TRANSFER_COST	NUMERIC(8)	This column contains the transfer cost.
TRANSFER_MODE	CHARACTER(255)	This column stores the mode of transfer.
USER_NM	CHARACTER(150)	This column stores the user name.
USER_RK	NUMERIC(8)	This column stores a retained surrogate key for an MRP controller.

Column Name	Data Type	Comment
VENDOR_ID	CHARACTER(32)	This column contains the unique identifier for the vendor.
VENDOR_NM	CHARACTER(40)	This column stores the name of the vendor.
VENDOR_RK	NUMERIC(8)	This column contains a retained surrogate key for a vendor.

Table 12.64 TGT_COST_TEMP Table

Column Name	Data Type	Comment
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
ONHAND_MEAN	NUMERIC(8)	This column contains the on-hand mean value.
ORDER_UPTO_LEVEL	NUMERIC(8)	This column contains the order up-to level for a facility and item pair for each period.
PERIOD	NUMERIC(8)	This column contains the period in the horizon.
PERIOD_DESC	NUMERIC(8)	This column contains the actual date information for each period.
REORDER_LEVEL	NUMERIC(8)	This column contains the reorder level of a facility and item pair for each period.
SAFETY_STOCK	NUMERIC(8)	This column contains the safety stock value.
TO_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a successor facility.

Table 12.65 TGT_DEMAND_TEMP Table

Column Name	Data Type	Comment
EXTERNAL_DEMAND_MEAN	NUMERIC(8)	This column stores the external demand mean value.
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
INTERNAL_DEMAND_MEAN	NUMERIC(8)	This column stores the internal demand mean value.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
PERIOD	NUMERIC(8)	This column contains the period in the horizon.
PERIOD_DESC	NUMERIC(8)	This column contains the actual date information for each period.

TO_FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a successor facility.

Table 12.66 TIMESERIES_DETAIL

Table Column Name	Data Type	Comment
ACTUAL	NUMERIC(8)	This column contains the actual demand quantity for the period.
BUCKET_NM	NUMERIC(8)	This column contains the forecast accuracy bucket or group name.
BUYER_NM	CHARACTER(150)	This column stores the name of the buyer of the item at a given facility.
ERROR	NUMERIC(8)	This column stores the error in prediction for the period.
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility. The identifier is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column stores the name of a facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FACILITY_TYPE_CD	CHARACTER(10)	This column stores the type code for the facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_TYPE_CD	CHARACTER(10)	This column contains the item type code.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error.
START_DT	NUMERIC(8)	This column contains the demand start date.
SUCCESSOR_ITEM_FLG	NUMERIC(8)	This column contains a flag that indicates whether the item is a successor item or not.
VENDOR_NM	CHARACTER(40)	This column contains the name of the vendor.

Table 12.67 TIMESERIES_DETAIL_INTERMITTENT Table

Column Name	Data Type	Comment
ACTUAL	NUMERIC(8)	This column contains the actual demand quantity for the period.
BUCKET_NM	NUMERIC(8)	This column contains the forecast accuracy bucket or group name.
BUYER_NM	CHARACTER(150)	This column stores the name of the buyer of the item at a given facility.
ERROR	NUMERIC(8)	This column stores the error in prediction for the period.
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility. The identifier is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column stores the name of a facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FACILITY_TYPE_CD	CHARACTER(10)	This column stores the type code for the facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
FORECAST_LCL	NUMERIC(8)	This column stores the lower control limit for the forecasted values.
FORECAST_SUBGROUP_CD	CHARACTER(10)	This column contains the forecast subgroup code.
FORECAST_UCL	NUMERIC(8)	This column contains the upper control limit of the forecasted values.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_TYPE_CD	CHARACTER(10)	This column contains the item type code.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error.
START_DT	NUMERIC(8)	This column contains the demand start date.
SUCCESSOR_ITEM_FLG	NUMERIC(8)	This column contains a flag that indicates whether the item is a successor item or not.

Column Name	Data Type	Comment
VENDOR_NM	CHARACTER(40)	This column contains the name of the vendor.

Table 12.68 TIMESERIES_DETAIL_LOW_ACCURACY Table

Column Name	Data Type	Comment
ACTUAL	NUMERIC(8)	This column contains the actual demand quantity for the period.
BUCKET_NM	NUMERIC(8)	This column contains the forecast accuracy bucket or group name.
BUYER_NM	CHARACTER(150)	This column stores the name of the buyer of the item at a given facility.
ERROR	NUMERIC(8)	This column stores the error in prediction for the period.
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility. The identifier is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column stores the name of a facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FACILITY_TYPE_CD	CHARACTER(10)	This column stores the type code for the facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_TYPE_CD	CHARACTER(10)	This column contains the item type code.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error.
START_DT	NUMERIC(8)	This column contains the demand start date.
SUCCESSOR_ITEM_FLG	NUMERIC(8)	This column contains a flag that indicates whether the item is a successor item or not.
VENDOR_NM	CHARACTER(40)	This column contains the name of the vendor.

Table 12.69 TIMESERIES_DETAIL_NORMAL Table

Column Name	Data Type	Comment
ACTUAL	NUMERIC(8)	This column contains the actual demand quantity for the period.
BUCKET_NM	NUMERIC(8)	This column contains the forecast accuracy bucket or group name.
BUYER_NM	CHARACTER(150)	This column stores the name of the buyer of the item at a given facility.
ERROR	NUMERIC(8)	This column stores the error in prediction for the period.
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility. The identifier is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column stores the name of a facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FACILITY_TYPE_CD	CHARACTER(10)	This column stores the type code for the facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_TYPE_CD	CHARACTER(10)	This column contains the item type code.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error.
START_DT	NUMERIC(8)	This column contains the demand start date.
SUCCESSOR_ITEM_FLG	NUMERIC(8)	This column contains a flag that indicates whether the item is a successor item or not.
VENDOR_NM	CHARACTER(40)	This column contains the name of the vendor.

Table 12.70 TIMESERIES_DETAIL_REVISITED Table

Column Name	Data Type	Comment
ACTUAL	NUMERIC(8)	This column contains the actual demand quantity for the period.
BUCKET_NM	NUMERIC(8)	This column contains the forecast accuracy bucket or group name.
BUYER_NM	CHARACTER(150)	This column stores the name of the buyer of the item at a given facility.
ERROR	NUMERIC(8)	This column stores the error in prediction for the period.
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility. The identifier is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column stores the name of a facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FACILITY_TYPE_CD	CHARACTER(10)	This column stores the type code for the facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_TYPE_CD	CHARACTER(10)	This column contains the item type code.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error.
START_DT	NUMERIC(8)	This column contains the demand start date.
SUCCESSOR_ITEM_FLG	NUMERIC(8)	This column contains a flag that indicates whether the item is a successor item or not.
VENDOR_NM	CHARACTER(40)	This column contains the name of the vendor.

Table 12.71 TIMESERIES_DETAIL_SUCCESSOR Table

Column Name	Data Type	Comment
ACTUAL	NUMERIC(8)	This column contains the actual demand quantity for the period.
BUCKET_NM	NUMERIC(8)	This column contains the forecast accuracy bucket or group name.
BUYER_NM	CHARACTER(150)	This column stores the name of the buyer of the item at a given facility.
ERROR	NUMERIC(8)	This column stores the error in prediction for the period.
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility. The identifier is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column stores the name of a facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FACILITY_TYPE_CD	CHARACTER(10)	This column stores the type code for the facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
ITEM_TYPE_CD	CHARACTER(10)	This column contains the item type code.
MAPE	NUMERIC(8)	This column contains the mean absolute percent error.
PREDICT	NUMERIC(8)	This column contains the predicted demand quantity for the period.
RMSE	NUMERIC(8)	This column contains the root mean square error.
START_DT	NUMERIC(8)	This column contains the demand start date.
SUCCESSOR_ITEM_FLG	NUMERIC(8)	This column contains a flag that indicates whether the item is a successor item or not.
VENDOR_NM	CHARACTER(40)	This column contains the name of the vendor.

Table 12.72 USER_MAPPING Table

Column Name	Data Type	Comment
BUYER_IND	NUMERIC(8)	This column stores the buyer indicator. The possible values are 1 – buyer, and 0 – non-buyer.
EMAILID	CHARACTER(50)	This column stores the e-mail identifier.
SMCID	CHARACTER(32)	This column contains the SAS Management Console identifier.
SPOID	CHARACTER(32)	This column contains the business key for an employee. This value is the same as value in the EMPOLOYEE_ID column of the SDL.Employee table.
USER_ID	NUMERIC(8)	This column contains the user identifier. This value is the same as the EMPLOYEE_RK column of the SDL.Employee table.

Table 12.73 VENDOR_FACILITY_ITEM TABLE

Column Name	Data Type	Comment
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility. The identifier is generated by the source system.
FACILITY_NM	CHARACTER(40)	This column stores the name of a facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
PRIMARY_VENDOR_IND	NUMERIC(8)	This column contains an indicator that suggests whether a vendor is primary or not.
SUPPLIER_SHARE_PCT	NUMERIC(8)	This column contains the percentage for share of a vendor.
VENDOR_ID	CHARACTER(32)	This column contains the business key for a vendor.
VENDOR_NM	CHARACTER(40)	This column contains the name of a vendor.
VENDOR_RK	NUMERIC(8)	This column contains a retained surrogate key for a vendor.

Table 12.74 VENDOR_KIT_ITEM Table

Column Name	Data Type	Comment
FACILITY_ID	CHARACTER(32)	This column contains a unique identifier for the facility.
FACILITY_NM	CHARACTER(40)	This column stores the name of a facility.
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_ID	CHARACTER(32)	This column contains a unique identifier for the item. The identifier is generated by the source system.
ITEM_NM	CHARACTER(40)	This column contains a name for the item.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NETWORK_MODEL_RK	NUMERIC(8)	This column contains a retained surrogate key for a network model.
VENDOR_ID	CHARACTER(32)	This column contains the business key for the vendor.
VENDOR_NM	CHARACTER(40)	This column contains the name of a vendor.
VENDOR_RK	NUMERIC(8)	This column contains a retained surrogate key for a vendor.

Table 12.75 VENDORS Table

Column Name	Data Type	Comment
VENDOR_ID	CHARACTER(32)	This column contains the business key for the vendor.
VENDOR_NM	CHARACTER(40)	This column contains the name of the vendor.
VENDOR_RK	NUMERIC(8)	This column contains a retained surrogate key for a vendor.

CHAPTER 13

Descriptions of Control Tables

The following table provides descriptions of all the control tables. The tables are listed in alphabetical order.

Note: Some table names contain the text <Base_Period>, wherein <Base_Period> is a variable value that depends on the base period that is specified during configuration. The different base period values are as follows:

- WK for week
- MTH for month
- QTR for quarter

Some tables contain the text <Forecast Code Number>, wherein <Forecast Code Number> is a unique number assigned to a forecast group based on the base period.

Table 13.1 Control Tables

No.	Name	Comment
1.	<Base_Period>_FCST_GP_FACILITY_ITEM<Forecast_Code_Number>	This table contains all the time series and their hierarchy information.
2.	<Base_Period>_FORECAST_SUBGROUP<Forecast_Code_Number>	This table contains all tables that are created by parallel processing.
3.	FACILITY_ITEM_FORECASTGR	This table stores distinct forecast groups, the included time series and demand quantity. This table is used in the long-term forecasting process.
4.	FCST_CONTROL_DATA	This table contains names of the facility and item pairs and their respective forecast groups. The table is populated by the output of the forecast process. Depending on the values of its three columns namely, DIAG_FLG, SELECT_FLG, and FCST_FLG, further analysis is performed on the forecast results.
5.	FCST_MIXED_HIERARCHY_DATA	This table contains values for the forecast group, forecast preference, preference start number, and preference end number. The user populates this table only for a mixed hierarchy.
6.	FCST_OFFDAYS_PEAKDAYS_LIST	This table contains the list of off days and peak days for every facility and item pair. This table is used for dividing the weekly demand into daily demand.
7.	FCST_QA_TESTS	This table stores the standard tests that are performed for forecast quality analysis.
8.	FORECAST_GROUP_FAC_ITEM_HIER	This table stores values for the forecast group, the highest facility hierarchy, and the highest item hierarchy. These values are generated as a result of forecasting process.

No.	Name	Comment
9.	FORECAST_GROUP_OPT_FLAG	This table stores a flag per forecast group that indicates whether division of the time series data is preferred or not. The possible values are: Y - time series data division is preferred; N – time series data division is not preferred.
10.	FORECAST SUBGROUPS	This table contains a list of the forecast group codes and the subgroups in each forecast group.
11.	GLOBAL_PARAMETER_LIST	This table contains parameters that are global and can be accessed in any of the job at any point of time. For example, GLOBAL_HIGH_DTTM_VALUE is stored as "01Jan5999:00:00:00" and can be accessed at any time in any of the jobs.
12.	HPF_HIERARCHY_FLAG	This table contains forecast group, hierarchy type, and forecast preference. Value of the hierarchy type can be MIXED or NON MIXED, and value of the forecast preference can be ITEM or FACILITY. This table is used in hierarchical forecasting.
13.	HPF_PREFERENCE_OPTIONS_VALUE	This table stores all the HPF parameters and their values.
14.	HPF_PREFERENCES	This table contains various parameters that can be provided as an input to the forecasting process. These parameters are required for running the forecasting process.
15.	IO_BATCH_ATTRIBUTES	This table stores attributes for creating batches of the facility and item pairs to be used in the automated process of inventory optimization. Batches of the input tables are created based on the item attributes whose flag is set in this table.
16.	JOB_STATUS	This table stores the status for all the tables that are loaded during the run. The table contains information such as user, number of records before, number of records after, table name, library, job name, job status, job start time, and job end time.
17.	SDL_LAST_LOAD_DATE_<Base_Period>	This table stores the last date of the base period and is used to create the initial and incremental analytical base tables.
18.	STORED_PROCESS_TABLE	This table stores the names of tables that contain time series to be reforecasted in SAS Forecast Studio.

CHAPTER 14

Descriptions of Control Table Columns

The following table provides descriptions of all the columns in a particular control table. The tables are listed in alphabetical order.

Note: Some table names contain the text <Base_Period>, wherein <Base_Period> is a variable value that depends on the base period that is specified during configuration. The different base period values are as follows:

- WK for week
- MTH for month
- QTR for quarter

Some tables contain the text <Forecast Code Number>, wherein <Forecast Code Number> is a unique number assigned to a forecast group based on the base period.

Table 14.1 <Base_Period>_FCST_GP_FACILITY_ITEM<Forecast_Code_Number> Table

Name	Data Type	Comment
FAC_LOC_HIER_LVL<N>_RK	NUMERIC(8)	This column contains a retained surrogate key for the location at level N, where N is a number from 1 to 5.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
FORECAST_SUBGROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast subgroup. The forecast subgroups are defined by the implementation team.
ITEM_CATEGORY_LVL<N>_RK	NUMERIC(8)	This column contains a retained surrogate key for an item category at level N, where N is a number from 1 to 10.

Table 14.2 <Base_Period>_FORECAST_SUBGROUP<Forecast_Code_Number> Table

Name	Data Type	Comment
COMPLETE_HIERARCHY	CHARACTER(600)	This column stores the complete hierarchy information for the forecast group.
CONTROL_DATASET_NM	CHARACTER(40)	This column contains the name of the table that contains time series details for the current hierarchy.
CURRENT_HIERARCHY	CHARACTER(40)	This column stores the hierarchy information for the time series in the TS_DATASET_NM table.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The forecast groups are defined by the implementation team.
FORECAST_SUBGROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast subgroup. The forecast subgroups are defined by the implementation team.
LIBRARY_PATH	CHARACTER(600)	This column stores the internal library path on the server.
LIBREF	CHARACTER(20)	This column contains reference to an internal library.
SAS_INTERVAL	CHARACTER(10)	This column stores the base period. Possible values are WEEK, MONTH, and QUARTER.
TS_DATASET_NM	CHARACTER(40)	This column stores the name of the table that contains time series demand information.

Table 14.3 FACILITY_ITEM_FORECASTGR Table

Name	Data Type	Comment
CAL_DAY_ID	NUMERIC(8)	This column contains the calendar day identifier.
DEMAND_QTY	NUMERIC(8)	This column stores the demand quantity for the demand period.
FACILITY_RK	NUMERIC(8)	This column contains the retained key for a unique facility. Source data for a facility can come from multiple systems and the business-supplied keys might not be unique.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
ITEM_RK	NUMERIC(8)	This column contains the retained key for a unique item. Source data for an item can come from multiple systems and the business-supplied keys might not be unique.

Table 14.4 FCST_CONTROL_DATA Table

Name	Data Type	Comment
DIAG_FLG	CHARACTER(1)	This column contains a flag that suggests the necessity of model repository repopulation.
FACILITY_NM	CHARACTER(40)	This column contains the facility name that is generated by the source system.
FACILITY_RK	NUMERIC(8)	This column contains the retained key for a unique facility. Source data for a facility can come from multiple systems and the business-supplied keys might not be unique.
FCST_FLG	CHARACTER(1)	This column contains a flag to suggest the continuation of the forecast procedure. This flag is set to Y.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
ITEM_NM	CHARACTER(40)	This column contains a name for the item that is generated by the source system.
ITEM_RK	NUMERIC(8)	This column contains the retained key for a unique item. Source data for an item can come from multiple systems and the business-supplied keys might not be unique.
SELECT_FLG	CHARACTER(1)	This column contains a flag to suggest the necessity of model reselection.

Table 14.5 FCST_MIXED_HIERARCHY_DATA Table

Name	Data Type	Comment
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
FORECAST_PREFERENCE	CHARACTER(10)	This column contains a flag that indicates whether the selection is a facility or an item in case the selected hierarchy type is mixed.
PREFERENCE_END_NO	NUMERIC(8)	This column stores the mixed hierarchy end value that is considered for the current selection of facility or item.
PREFERENCE_START_NO	NUMERIC(8)	This column contains the starting value for the mixed hierarchy that is considered for the current selection of facility or item.

Table 14.6 FCST_OFFDAYS_PEAKDAYS_LIST Table

Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
OFFDAY1	NUMERIC(8)	This column contains a day in the week that signifies the first non-working day or holiday. Possible values are any number from 1 to 7, where 1 denotes Sunday.
OFFDAY2	NUMERIC(8)	This column contains a day in the week that signifies the second non-working day or holiday. Possible values are any number from 1 to 7, where 1 denotes Sunday.
PEAKDAY1	NUMERIC(8)	This column contains a day in the week that signifies the first day with maximum demand. Possible values are any number from 1 to 7, where 1 denotes Sunday.
PEAKDAY1_PCT	NUMERIC(8)	This column contains the percentage value of the total demand of the week that occurs on the first peak day.
PEAKDAY2	NUMERIC(8)	This column contains a day in the week that signifies the second day with maximum demand. Possible values are any number from 1 to 7, where 1 denotes Sunday.
PEAKDAY2_PCT	NUMERIC(8)	This column contains the percentage value of the total demand of the week that occurs on the second peak day.

Table 14.7 FCST_QA_TESTS Table

Name	Data Type	Comment
DIAGNOSE_SELECT_FLG	CHARACTER(1)	This column contains a flag that suggests whether to repopulate the model repository or to reselect the model. Possible values are: D – Diagnose process is selected; S - Model selection is selected.
PATTERN_DESC	CHARACTER(100)	This column contains a description for the pattern.
RUN_TEST_IND	NUMERIC(8)	This column contains an indicator that suggests whether to run the quality analysis tests or not.
TEST_INDEX	NUMERIC(8)	This column contains the test index.

Table 14.8 FORECAST_GROUP_FAC_ITEM_HIER Table

Name	Data Type	Comment
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
HIGHEST_FAC_HIERARCHY	NUMERIC(8)	This column contains the highest facility hierarchy for the current forecast group.
HIGHEST_ITEM_HIERARCHY	NUMERIC(8)	This column contains the highest item hierarchy for the current forecast group.

Table 14.9 FORECAST_GROUP_OPT Table

Name	Data Type	Comment
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
FORECAST_GROUP_OPT_FLAG	CHARACTER(1)	This column contains a flag that indicates whether the forecasting process must use data division method or not.

Table 14.10 FORECAST_SUBGROUPS Table

Name	Data Type	Comment
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
FORECAST_SUBGROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast subgroup. The key is defined by the implementation team.

Table 14.11 GLOBAL_PARAMETER_LIST Table

Name	Data Type	Comment
DEFAULT_VALUE	CHARACTER(50)	This column contains the default value of the global parameter.
LOAD_ORDER	NUMERIC(8)	This column contains the load order of the global parameter.
PARAMETER_CATEGORY	CHARACTER(50)	This column contains the category in which the global parameter is used.
PARAMETER_DESCRIPTION	CHARACTER(500)	This column contains the description of the global parameter.
PARAMETER_NAME	CHARACTER(50)	This column contains the name of the global parameter.
PARAMETER_VALUE	CHARACTER(255)	This column contains the value of the global parameter.
SERIAL_NO	NUMERIC(8)	This column contains the serial number.

Table 14.12 FORECAST_GROUP_FAC_ITEM_HIER Table

Name	Data Type	Comment
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
FORECAST_PREFERENCE	CHARACTER(10)	This column contains a flag that suggests whether the selection is facility or item in case the selected hierarchy type is non-mixed.
HIERARCHY_TYPE_FLAG	CHARACTER(10)	This column contains a flag that suggests whether the hierarchy preference is mixed or non-mixed for the current forecast group.

Table 14.13 HPF_PREFERENCE_OPTIONS_VALUE Table

Name	Data Type	Comment
CODE	NUMERIC(8)	This column stores the code for the value of the HPF parameter.
OPTION	CHARACTER(40)	This column stores the option name for the HPF parameter.
VALUE	CHARACTER(40)	This column contains all the possible values for the HPF parameter.

Table 14.14 HPF_PREFERENCES Table

Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a retained surrogate key for a facility.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
FORECAST_SUBGROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast subgroup. The key is defined by the implementation team.
ITEM_RK	NUMERIC(8)	This column contains the retained key for a unique item. Source data for an item can come from multiple systems and the business-supplied keys might not be unique.
OPTION	CHARACTER(40)	This column stores the option name for the forecast process parameter.
VALUE	CHARACTER(40)	This column contains the option value for the forecast process parameter.

Table 14.15 IO_BATCH_ATTRIBUTES Table

Name	Data Type	Comment
ATTRIBUTE_VAR_NM	CHARACTER(24)	This column stores the variable name for the item attribute.
CREATE_BATCH_FLG	NUMERIC(8)	This column stores a value to indicate whether the batches of the input data sets are to be created based on the item attribute.
ITEM_BATCH_ATTRIBUTE	CHARACTER(24)	This column stores item attributes that can be used for creating batches of the input data sets for the inventory optimization process.
SERIAL_NO	NUMERIC(8)	This column contains the serial number.

Table 14.16 JOB_STATUS Table

Name	Data Type	Comment
ENDTIME	NUMERIC(8)	This column contains the end time of a job.
ETL_TABLE	CHARACTER(32)	This column contains the ETL table name.
JOB_RC	NUMERIC(8)	This column contains the job return code.
JOBNAME	CHARACTER(80)	This column stores the name of the job.
JOBSTAT	CHARACTER(80)	This column stores the job status.
LIB	CHARACTER(32)	This column stores the library name.
RAFTER	NUMERIC(8)	This column contains the number of records after the job run.
RBEFORE	NUMERIC(8)	This column contains the number of records before the job run.
STTIME	NUMERIC(8)	This column contains the job start time.
USER	CHARACTER(32)	This column contains the user identifier.

Table 14.17 SDL_LAST_LOAD_DATE_<Base_Period> Table

Name	Data Type	Comment
END_DT	NUMERIC(8)	This column contains the end date for the time period.
TIME_PERIOD_RK	NUMERIC(8)	This column contains the retained surrogate key for a time period.

Table 14.18 STORED_PROCESS_TABLE Table

Name	Data Type	Comment
BUCKET_NM	NUMERIC(8)	This column contains the forecast accuracy bucket or group name.
DATASET_NM	CHARACTER(100)	This column contains the name of the table that stores the time series to be reforecasted in SAS Forecast Studio.
FORECAST_GROUP_CD	CHARACTER(10)	This column contains a unique key for a forecast group. The key is defined by the implementation team.
INTERVAL	CHARACTER(10)	This column stores the base period of the forecast group.

CHAPTER 15

Descriptions of Scenario Tables

The following table provides descriptions of all the scenario tables. The tables are listed in alphabetical order.

Note: All table names contain the text <Scenario_ID>, wherein <Scenario_ID> is a variable value that uniquely identifies a scenario. This value is auto-generated when a scenario is created.

Table 15.1 Scenario Tables

No.	Name	Comment
1.	CSL_<Scenario_ID>	This table stores the override value for service level if the user wants to apply a custom service level for a facility and item pair. If the user has not applied any custom service level, then there will be no input in this table for the facility and item pair. This table is for internal use only.
2.	F_<Scenario_ID>	This is an input table that stores the user-selected FACILITY_RK values. If the user makes no facility selection for this scenario, then this table does not exist. This table is for internal use only.
3.	FV_<Scenario_ID>	This is an output table that stores the filter values for the Filter Pane in the application.
4.	I_<Scenario_ID>	This is an input table that stores the user-selected ITEM_RK values. If the user makes no item selection for this scenario, then this table does not exist. This table is for internal use only.
5.	I_X_F_<Scenario_ID>	This is an output table that stores the optimized value of the metrics. Columns in this table depend on the type of analysis that is specified while creating the scenario. This table is for internal use only.
6.	M_<Scenario_ID>	This is an output table that stores the scenario processing warnings and errors. Columns in this table depend on the type of analysis that is specified while creating the scenario. This table is for internal use only.

No.	Name	Comment
7.	N_<Scenario_ID>	This is an input table that stores the user-selected NETWORK_MODEL_RK values. If the user makes no network selection for this scenario, then this table does not exist. This table is for internal use only.
8.	NH_<Scenario_ID>	This is an output table that stores the aggregated values for metrics. Columns in this table depend on the type of analysis that is specified while creating the scenario. This table is for internal use only.

CHAPTER 16

Descriptions of Scenario Table Columns

The following table provides descriptions of all the columns in a particular scenario table. The tables are listed in alphabetical order.

Note: All table names contain the text <Scenario_ID>, wherein <Scenario_ID> is a variable value that uniquely identifies a scenario. This value is auto-generated when a scenario is created.

Table 16.1 CSL_<Scenario_ID> Table

Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
NEW_SL	NUMERIC(8)	This column stores the overridden service level value for the facility and item pairs.

Table 16.2 F_<Scenario_ID> Table

Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a facility.

Table 16.3 FV_<Scenario_ID> Table

Name	Data Type	Comment
CODE	CHARACTER(10)	This column contains the code value for the filter.
FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a facility.
FILTERNAME	CHARACTER(25)	This column contains the name of the filter.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
MAXRANGE	NUMERIC(8)	This column contains the maximum value for the filter.
MINRANGE	NUMERIC(8)	This column contains the minimum value for the filter.
NETWORK_MODEL_RK	NUMERIC(8)	This column stores a retained surrogate key for a network model.
RK_VALUES	NUMERIC(8)	This column contains the retained key value for the filter.
SET_NM	CHARACTER(32)	This column stores the name of the set for ad hoc analysis.

Table 16.4 I_<Scenario_ID> Table

Column Name	Data Type	Comment
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.

Note: The columns of the I_X_F_<Scenario_ID> table differ based on the type of scenario. The subsequent four tables describe the different tables with the name I_X_F_<Scenario_ID>.

Table 16.5.1 I_X_F_<Scenario_ID> Table for Ad Hoc Analysis Scenario Type

Name	Data Type	Comment
AVG_FCST_DEMAND_MEAN	NUMERIC(8)	This column contains the average mean of the demand for each facility and item pair.
AVG_FCST_DEMAND_VAR	NUMERIC(8)	This column contains the average variance of the demand for each facility and item pair.
CURRENT_INV_COST	NUMERIC(8)	This column contains the inventory cost that is calculated for the facility and item pair based on the system-supplied service level.
FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a facility.
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
INV_UNITS	NUMERIC(8)	This column contains the amount of inventory that is calculated from the procedure based on fixed service level targets.
ITEM_FAC_SEL_FLG	NUMERIC(8)	This column contains a flag to indicate the selected item and facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
KITTING_POINT_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item is bundled at this facility or not.
LEAD_TM	NUMERIC(8)	This column stores the average lead time value for transporting an item to a facility. The value must be an integral multiple of the base period.
LEAD_TM_NO	NUMERIC(8)	This column stores the average lead time (in days) for transporting this item.
MRP_CONTROLLER_RK	NUMERIC(8)	This column contains a retained surrogate key for the MRP controller.
NETWORK_MODEL_RK	NUMERIC(8)	This column stores a retained surrogate key for a network model.
OH_COST	NUMERIC(8)	This column contains the on-hand cost that is calculated by the procedure based on the service level targets.
OH_HOLDING_COST	NUMERIC(8)	This column contains the on-hand holding cost that is based on the service level.
PIPELINE_COST	NUMERIC(8)	This column contains the transportation cost of one part in transit from the predecessor facility to the successor facility.
SERVICE_LEVEL	NUMERIC(8)	This column contains the service level value.
SERVICE_TYPE	CHARACTER(10)	This column stores the service type code definition for facility and item pairs. The possible values are RR - Ready Rate, FR - Fill Rate, and BR - Back Order Ratio.

Name	Data Type	Comment
SET_NM	CHARACTER(32)	This column stores the name of the set for ad hoc analysis.
TOTAL_COST	NUMERIC(8)	This column contains the total inventory cost that is calculated from the procedure based on the fixed service level targets.
UNIT_COST	NUMERIC(8)	This column stores the current price per sale unit of the item.
VENDOR_RK	NUMERIC(8)	This column contains a retained surrogate key for a vendor.

Table 16.5.2 I_X_F_<Scenario_ID> Table for Customer-Facing Facility Analysis Scenario Type

Name	Data Type	Comment
AVG_FCST_DEMAND_MEAN	NUMERIC(8)	This column contains the average mean of the demand for each facility and item pair.
AVG_FCST_DEMAND_VAR	NUMERIC(8)	This column contains the average variance of the demand for each facility and item pair.
CURRENT_INV_COST	NUMERIC(8)	This column contains the inventory cost that is calculated by the ESLOPT procedure based on the fixed current service level targets.
CURRENT_INV_UNITS	NUMERIC(8)	This column contains the amount of inventory that is calculated by the ESLOPT procedure based on the fixed current service level targets.
CURRENT_SL	NUMERIC(8)	This column contains the current service level value that is supplied by the source system.
FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
LEAD_TM	NUMERIC(8)	This column stores the average lead time value for transporting an item to a facility. The value must be an integral multiple of the base period.
LEAD_TM_NO	NUMERIC(8)	This column stores the average lead time (in days) for transporting this item.
MAPE	NUMERIC(8)	This column stores the mean average percent error value.
MAX_STOCK_QTY	NUMERIC(8)	This column stores the maximum order size constraint for each facility and item pair.
MRP_CONTROLLER_RK	NUMERIC(8)	This column contains a retained surrogate key for the MRP controller.
NEW_INV_COST	NUMERIC(8)	This column stores the optimized values for the inventory costs.
NEW_INV_UNITS	NUMERIC(8)	This column stores the optimized values for the inventory units.

Name	Data Type	Comment
NEW_SL	NUMERIC(8)	This column stores the service level value that can be the optimized value or the overridden value.
OPT_INV_COST	NUMERIC(8)	This column contains the inventory cost that is based on the optimized service level.
OPT_INV_UNITS	NUMERIC(8)	This column contains the amount of inventory that is based on optimized service level.
OPT_SL	NUMERIC(8)	This column stores the service level that is obtained from the output data set of the ESLOPT procedure. The RR, FR, or BR is considered based on the system service type.
SERVICE_TYPE	CHARACTER(10)	This column stores the service type code definition for facility and item pairs. The possible values are RR - Ready Rate, FR - Fill Rate, and BR - Back Order Ratio.
UNIT_COST	NUMERIC(8)	This column stores the current price per sale unit of the item.
VENDOR_RK	NUMERIC(8)	This column contains a retained surrogate key for a vendor.

Table 16.5.3 I_X_F_<Scenario_ID> Table for Internal Facility Service Level Analysis Scenario Type

Name	Data Type	Comment
AVG_FCST_DEMAND_MEAN	NUMERIC(8)	This column contains the average mean of the demand for each facility and item pair.
AVG_FCST_DEMAND_VAR	NUMERIC(8)	This column contains the average variance of the demand for each facility and item pair.
CURRENT_INV_UNITS	NUMERIC(8)	This column contains the amount of inventory that is calculated by the MIRP procedure based on the fixed current service level targets.
CURRENT_OH_COST	NUMERIC(8)	This column contains the on-hand cost that is calculated by the procedure based on the fixed current service level targets.
CURRENT_OH_HOLDING_COST	NUMERIC(8)	This column contains the on-hand holding cost that is calculated by the procedure based on the fixed current service level targets.
CURRENT_PIPELINE_COST	NUMERIC(8)	This column contains the current pipeline cost for all items in the facility.
CURRENT_SL	NUMERIC(8)	This column contains the current service level value that is supplied by the source system.
CURRENT_TOTAL_COST	NUMERIC(8)	This column contains the current total cost that is calculated by the MIRP procedure based on the fixed current service level targets.

Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a facility.
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
FROM_NODE_ID	CHARACTER(32)	This column contains the node identifier that represents the predecessor facility and item pair.
HOLDING_COST_AMT	NUMERIC(8)	This column stores the holding cost per sale unit of the item.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
KITTING_POINT_FLG	CHARACTER(1)	This column contains a flag that indicates whether the item is bundled at this facility or not.
LEAD_TM	NUMERIC(8)	This column stores the average lead time value for transporting an item to a facility. The value must be an integral multiple of the base period.
LEAD_TM_NO	NUMERIC(8)	This column stores the average lead time (in days) for transporting this item.
MRP_CONTROLLER_RK	NUMERIC(8)	This column contains a retained surrogate key for the MRP controller.
NETWORK_MODEL_RK	NUMERIC(8)	This column stores a retained surrogate key for a network model.
NEW_INV_UNITS	NUMERIC(8)	This column stores the optimized values for the inventory units.
NEW_OH_COST	NUMERIC(8)	This column stores the optimized values for the on-hand inventory costs.
NEW_OH_HOLDING_COST	NUMERIC(8)	This column stores the optimized values for the on-hand holding inventory costs.
NEW_PIPELINE_COST	NUMERIC(8)	This column contains the new pipeline cost for all items in the facility.
NEW_SL	NUMERIC(8)	This column stores the service level value that can be the optimized value or the overridden value.
NEW_TOTAL_COST	NUMERIC(8)	This column stores the new values for the total costs.
OPT_INV_UNITS	NUMERIC(8)	This column contains the amount of inventory that is based on optimized service level.
OPT_OH_COST	NUMERIC(8)	This column contains the on-hand cost that is calculated from the procedure based on the optimized service level targets.
OPT_OH_HOLDING_COST	NUMERIC(8)	This column contains the on-hand holding cost that is calculated from the procedure based on the optimized service level targets.
OPT_PIPELINE_COST	NUMERIC(8)	This column contains the optimized average pipeline cost for all items in the facility.

Name	Data Type	Comment
OPT_SL	NUMERIC(8)	This column stores the service level that is obtained from the output data set of the MIRP procedure. The RR, FR, or BR is considered based on the system service type.
OPT_TOTAL_COST	NUMERIC(8)	This column contains the optimized total cost that is based on the optimized service level.
SERVICE_TYPE	CHARACTER(10)	This column stores the service type code definition for facility and item pairs. The possible values are RR - ready rate, FR - fill rate, and BR - back order ratio.
STATUS_FLG	NUMERIC(8)	This column stores the calculation status.
UNIT_COST	NUMERIC(8)	This column stores the current price per sale unit of the item.
VENDOR_RK	NUMERIC(8)	This column contains a retained surrogate key for a vendor.

Table 16.5.4 I_X_F_<Scenario_ID> Table for Service Level Sensitivity Analysis Scenario Type

Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a facility.
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
ITEM_FAC_SEL_FLG	NUMERIC(8)	This column contains a flag to indicate the selected item and facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
KITTING_POINT_FLG	CHARACTER(10)	This column contains a flag that indicates whether the item is bundled at this facility or not.
NETWORK_MODEL_RK	NUMERIC(8)	This column stores a retained surrogate key for a network model.
OH_COST	NUMERIC(8)	This column stores the average on-hand cost for all items in the facility.
OH_HOLDING_COST	NUMERIC(8)	This column stores the average holding cost for all items in the facility.
PIPELINE_COST	NUMERIC(8)	This column contains the average pipeline cost for all items in the facility.
SERVICE_LEVEL	NUMERIC(8)	This column stores the service level value.
SERVICE_LVL_STEP	NUMERIC(8)	This column contains the service level step that is used for sensitivity analysis.
TOTAL_COST	NUMERIC(8)	This column contains the total cost that is calculated from the procedure based on the target service level.

Note: The columns of the M_<Scenario_ID> table for the customer-facing facility analysis scenario type differ from the other three scenario types. The subsequent two tables describe the different tables with the name M_<Scenario_ID>.

Table 16.6.1 M_<Scenario_ID> Table for Customer-Facing Facility Analysis Scenario Type

Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column contains a unique identifier key for each facility in the network.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
MESSAGE	CHARACTER(200)	This column stores the message.
MESSAGE_NO	NUMERIC(8)	This column stores the message number.

Table 16.6.2 M_<Scenario_ID> Table for Other Scenario Types

Name	Data Type	Comment
ERROR_STATUS	NUMERIC(8)	This column contains the error status.
FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a facility.
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
ITEM_RK	NUMERIC(8)	This column contains a retained surrogate key for an item.
MESSAGE	CHARACTER(200)	This column stores the message.
MESSAGE_NO	NUMERIC(8)	This column stores the message number.
MIRP_DATASET	CHARACTER(200)	This column contains the name of the MIRP data set.
NETWORK_MODEL_RK	NUMERIC(8)	This column stores a retained surrogate key for a network model.
SET_NM	CHARACTER(32)	This column stores the name of the set for ad hoc analysis.

Table 16.7 N_<Scenario_ID> Table

Name	Data Type	Comment
NETWORK_MODEL_RK	NUMERIC(8)	This column stores a retained surrogate key for a network model.

Note: The columns of the NH_<Scenario_ID> table differ based on the type of scenario. This table does not exist for the customer-facing facility analysis scenario type. The subsequent three tables describe the different tables with the name NH_<Scenario_ID>.

Table 16.8.1 NH_<Scenario_ID> Table for Ad Hoc Analysis Scenario Type

Name	Data Type	Comment
CURRENT_TOTAL_COST	NUMERIC(8)	This column contains the current average of the total costs for all items in the facility.
FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a facility.
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
INV_COST	NUMERIC(8)	This column contains the aggregated inventory cost for all items in the facility.
ITEM_COUNT	NUMERIC(8)	This column contains the total number of items in a facility.
NETWORK_MODEL_RK	NUMERIC(8)	This column stores a retained surrogate key for a network model.
OH_COST	NUMERIC(8)	This column stores the average on-hand cost for all items in the facility.
OH_HOLDING_COST	NUMERIC(8)	This column stores the average holding cost for all items in the facility.
PIPELINE_COST	NUMERIC(8)	This column contains the average pipeline cost for all items in the facility.
SERVICE_LEVEL	NUMERIC(8)	This column contains the average service level (in percentage) for all items in the facility.
SET_NM	CHARACTER(32)	This column stores the name of the set for ad hoc analysis.

Table 16.8.2 NH_<Scenario_ID> Table for Internal Facility Service Level Analysis Scenario Type

Name	Data Type	Comment
CURRENT_OH_COST	NUMERIC(8)	This column contains the average on-hand cost that is calculated by the procedure based on the fixed current service level targets.
CURRENT_OH_HOLDING_COST	NUMERIC(8)	This column contains the current average holding cost for all items in the facility.
CURRENT_PIPELINE_COST	NUMERIC(8)	This column contains the current average pipeline cost for all items in the facility.
CURRENT_SL	NUMERIC(8)	This column contains the current average service level (in percentage) for all items in the facility.
CURRENT_TOTAL_COST	NUMERIC(8)	This column contains the current average of the total costs for all items in the facility.
FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a facility.
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
ITEM_COUNT	NUMERIC(8)	This column contains the total number of items in a facility.
NETWORK_MODEL_RK	NUMERIC(8)	This column stores a retained surrogate key for a network model.
NEW_OH_COST	NUMERIC(8)	This column stores the new average on-hand cost for all items in the facility.
NEW_OH_HOLDING_COST	NUMERIC(8)	This column stores the new average holding cost for all items in the facility.
NEW_PIPELINE_COST	NUMERIC(8)	This column contains the new average pipeline cost for all items in the facility.
NEW_SL	NUMERIC(8)	This column stores the new average service level value for the facility and item pairs.
NEW_TOTAL_COST	NUMERIC(8)	This column stores the new average of the total costs for all items in the facility.
OPT_OH_COST	NUMERIC(8)	This column contains the average on-hand cost that is calculated from the procedure based on the optimized service level targets.
OPT_OH_HOLDING_COST	NUMERIC(8)	This column contains the optimized average holding cost for all items in the facility.
OPT_PIPELINE_COST	NUMERIC(8)	This column contains the optimized average pipeline cost for all items in the facility.
OPT_SL	NUMERIC(8)	This column contains the optimized average service level (in percentage) for all items in the facility.
OPT_TOTAL_COST	NUMERIC(8)	This column contains the optimized average of the total costs for all items in the facility.

Table 16.8.3 NH_<Scenario_ID> Table for Service Level Sensitivity Analysis Scenario Type

Name	Data Type	Comment
FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a facility.
FROM_FACILITY_RK	NUMERIC(8)	This column stores a retained surrogate key for a predecessor facility.
ITEM_COUNT	NUMERIC(8)	This column contains the total number of items in a facility.
NETWORK_MODEL_RK	NUMERIC(8)	This column stores a retained surrogate key for a network model.
OH_COST	NUMERIC(8)	This column contains the average on-hand cost for all items in the facility.
OH_HOLDING_COST	NUMERIC(8)	This column contains the average on-hand holding cost for all items in the facility.
PIPELINE_COST	NUMERIC(8)	This column contains the average pipeline cost for all items in the facility.
SERVICE_LVL_STEP	NUMERIC(8)	This column contains the service level step that is used for sensitivity analysis.
TOTAL_COST	NUMERIC(8)	This column contains the average of the total costs for all items in the facility.

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