

<b>PRODUCT/OFFERING NAME</b>	<b>ECCN</b>	<b>LICENSE DESIGNATION</b>	<b>AUTHORIZATION TYPE</b>	<b>CCATS</b>
Application Servers - IBM WebSphere	5D992c	MMKT	740.17(b)(1)	
Application Servers - Oracle WebLogic	5D992c	MMKT	740.17(b)(1)	G141591
Base SAS	5D002c.1	ENC	740.17(b)(1)	
Base SAS BI20 Edition	5D002c.1	ENC	740.17(b)(1)	
Business Analytics (on SAS Viya 4)	5D002c.1	ENC	740.17(b)(1)	
Credit Scoring for SAS Enterprise Miner	5D002c.1	ENC	740.17(b)(1)	
Credit Scoring for SAS Enterprise Miner Desktop	5D002c.1	ENC	740.17(b)(1)	
DataFlux Accelerator for Materials Data Classification	EAR99			
DataFlux Address Update (US Only)	EAR99			
DataFlux Authentication Server	5D002c.1	ENC	740.17(b)(1)	G080009
DataFlux Connect	5D002c.1	ENC	740.17(b)(1)	G063878
DataFlux Data Management Contextual Extraction LanguagePacks	EAR99			
DataFlux Data Management Enrichment	5D002c.1	ENC	740.17(b)(1)	G080009
DataFlux Data Management Secure	5D002c.1	ENC	740.17(b)(1)	G080009
DataFlux Data Management Server Software	5D002c.1	ENC	740.17(b)(1)	G080009
DataFlux Data Management Studio	5D002c.1	ENC	740.17(b)(1)	G080009
DataFlux DataPacks	5D002c.1	ENC	740.17(b)(1)	G080009
DataFlux Event Stream Processing Engine	5D002c.1	ENC	740.17(b)(1)	G080009
DataFlux Federation Server and Drivers	5D002c.1	ENC	740.17(b)(1)	G080009
DataFlux XML Converters	5D002c.1	ENC	740.17(b)(1)	G080009
IDeaS Subscriber Client	5D002c.1	ENC	740.17(b)(1)	
IDeaS V5i	5D002c.1	ENC	740.17(b)(1)	
JMP	5D992c	MMKT	740.17(b)(1)	G029045
JMP Academic Suite	5D992c	MMKT	740.17(b)(1)	
JMP Clinical	5D002c.1	ENC	740.17(b)(1)	
JMP Clinical 64-bit Edition	5D002c.1	ENC	740.17(b)(1)	
JMP Clinical for JMP Academic Suite	5D002c.1	ENC	740.17(b)(1)	
JMP Genetics	5D002c.1	ENC	740.17(b)(1)	
JMP Genomics	5D002c.1	ENC	740.17(b)(1)	
JMP Genomics 64-bit Edition	5D002c.1	ENC	740.17(b)(1)	
JMP Genomics for JMP Academic Suite	5D002c.1	ENC	740.17(b)(1)	
JMP Live	5D992c	MMKT	740.17(b)(1)	
JMP Microarray	5D002c.1	ENC	740.17(b)(1)	
JMP Pro	5D992c	MMKT	740.17(b)(1)	
JMP Proteomics	5D002c.1	ENC	740.17(b)(1)	
Platform Suite for SAS	5D002c.1	ENC	740.17(b)(1)	

<b>PRODUCT/OFFERING NAME</b>	<b>ECCN</b>	<b>LICENSE DESIGNATION</b>	<b>AUTHORIZATION TYPE</b>	<b>CCATS</b>
Quality Knowledge Base	5D002c.1	ENC	740.17(b)(1)	
Risk Modeling Add-on for SAS Visual Data Mining and Machine Learning	5D002c.1	ENC	740.17(b)(1)	
Risk Modeling Add-on for SAS Visual Machine Learning	5D002c.1	ENC	740.17(b)(1)	
SAS 360 Discover	5D002c.1	ENC	740.17(b)(1)	
SAS Activity-Based Management	5D002c.1	ENC	740.17(b)(1)	
SAS Activity-Based Management Data Surveyor for SAP	5D002c.1	ENC	740.17(b)(1)	
SAS Adaptive Learning and Intelligent Agent System	5D002c.1	ENC	740.17(b)(1)	
SAS Add-In for Microsoft Office	5D992c	MMKT	740.17(b)(1)	G138452
SAS Analytic Advantage for Teradata	5D002c.1	ENC	740.17(b)(1)	
SAS Analytics Accelerator for Teradata	5D992c	MMKT	740.17(b)(1)	G138452
SAS Analytics for Containers	5D002c.1	ENC	740.17(b)(1)	
SAS Analytics for IoT	5D002c.1	ENC	740.17(b)(1)	
SAS Analytics Pro	5D002c.1	ENC	740.17(b)(1)	
SAS Analytics Server	5D002c.1	ENC	740.17(b)(1)	
SAS Anti-Money Laundering	5D002c.1	ENC	740.17(b)(1)	
SAS AppDev Studio	5D002c.1	ENC	740.17(b)(1)	
SAS AppDev Studio Eclipse Plug-ins	5D002c.1	ENC	740.17(b)(1)	
SAS Asset and Liability Management for Banking	5D002c.1	ENC	740.17(b)(1)	
SAS Asset Performance Analytics	5D002c.1	ENC	740.17(b)(1)	
SAS Assortment Planning	5D002c.1	ENC	740.17(b)(1)	
SAS Assortment Scaling	5D002c.1	ENC	740.17(b)(1)	
SAS Banking Analytics Architecture	5D002c.1	ENC	740.17(b)(1)	
SAS BI for Midsize Business	5D002c.1	ENC	740.17(b)(1)	
SAS BI Server	5D002c.1	ENC	740.17(b)(1)	
SAS BookRunner Advanced Analytics	5D002c.1	ENC	740.17(b)(1)	
SAS BookRunner Analytics Workbench	5D002c.1	ENC	740.17(b)(1)	
SAS BookRunner Commodity Capture	5D002c.1	ENC	740.17(b)(1)	
SAS Bridge for ESRI	5D992c	MMKT	740.17(b)(1)	G138452
SAS Business Analytics SS (on SAS Viya 4)	5D002c.1	ENC	740.17(b)(1)	
SAS Business Insight Advantage for Teradata	5D002c.1	ENC	740.17(b)(1)	
SAS Business Intelligence for Midsize Business	5D002c.1	ENC	740.17(b)(1)	
SAS Business Orchestration Services	5D002c.1	ENC	740.17(b)(1)	
SAS Business Rules Manager	5D002c.1	ENC	740.17(b)(1)	
SAS Campaign Management	5D002c.1	ENC	740.17(b)(1)	
SAS Capital Planning and Management	5D002c.1	ENC	740.17(b)(1)	
SAS Capital Requirements for Market Risk	5D002c.1	ENC	740.17(b)(1)	

<b>PRODUCT/OFFERING NAME</b>	<b>ECCN</b>	<b>LICENSE DESIGNATION</b>	<b>AUTHORIZATION TYPE</b>	<b>CCATS</b>
SAS Claims Analytics	5D002c.1	ENC	740.17(b)(1)	
SAS Clinical Data Integration	5D002c.1	ENC	740.17(b)(1)	
SAS Clinical Data Integration for Midsize Business	5D002c.1	ENC	740.17(b)(1)	
SAS Clinical Standards Toolkit	5D992c	MMKT	740.17(b)(1)	G138452
SAS Clinical Trial Data Transparency - Multi-Sponsor Environment	5D002c.1	ENC	740.17(b)(1)	
SAS Clinical Trial Data Transparency - Single Sponsor	5D002c.1	ENC	740.17(b)(1)	
SAS Clinical Trials Randomization	5D002c.1	ENC	740.17(b)(1)	
SAS Cloud Office Analytics	5D002c.1	ENC	740.17(b)(1)	
SAS Collaborative Planning Workbench	5D002c.1	ENC	740.17(b)(1)	
SAS Collaborative Planogramming	5D992c	MMKT	740.17(b)(1)	G138452
SAS Common Planning Service	5D002c.1	ENC	740.17(b)(1)	
SAS Communications Analytics Architecture	5D002c.1	ENC	740.17(b)(1)	
SAS Concept Creation for SAS Text Miner	EAR99			
SAS Consensus Forecasting	5D002c.1	ENC	740.17(b)(1)	
SAS Contact Center Planning and Optimization	5D002c.1	ENC	740.17(b)(1)	
SAS Content Alerts	EAR99			
SAS Content Categorization	EAR99			
SAS Content Categorization Information Workbench	EAR99			
SAS Contextual Analysis	5D002c.1	ENC	740.17(b)(1)	
SAS Cost and Profitability Management Advanced	5D002c.1	ENC	740.17(b)(1)	
SAS Cost and Profitability Management Standard	5D002c.1	ENC	740.17(b)(1)	
SAS Credit Assessment Manager	5D002c.1	ENC	740.17(b)(1)	
SAS Credit Risk for Banking	5D002c.1	ENC	740.17(b)(1)	
SAS Credit Scoring	5D002c.1	ENC	740.17(b)(1)	
SAS Criminal Justice Data Integration and Analytics	5D002c.1	ENC	740.17(b)(1)	
SAS Cross-Sell and Up-Sell	5D002c.1	ENC	740.17(b)(1)	
SAS Currency Transaction Reporting	5D002c.1	ENC	740.17(b)(1)	
SAS Customer Analytics	5D002c.1	ENC	740.17(b)(1)	
SAS Customer Due Diligence	5D002c.1	ENC	740.17(b)(1)	
SAS Customer Experience Analytics	5D002c.1	ENC	740.17(b)(1)	
SAS Customer Experience Personalization	5D002c.1	ENC	740.17(b)(1)	
SAS Customer Lifetime Value for Insurance	5D002c.1	ENC	740.17(b)(1)	
SAS Customer Link Analytics	5D002c.1	ENC	740.17(b)(1)	
SAS Cybersecurity	5D002c.1	ENC	740.17(b)(1)	
SAS Data Agent	5D002c.1	ENC	740.17(b)(1)	
SAS Data Governance	5D002c.1	ENC	740.17(b)(1)	G080009

<b>PRODUCT/OFFERING NAME</b>	<b>ECCN</b>	<b>LICENSE DESIGNATION</b>	<b>AUTHORIZATION TYPE</b>	<b>CCATS</b>
SAS Data Integration for Midsize Business	5D002c.1	ENC	740.17(b)(1)	
SAS Data Integration Server	5D002c.1	ENC	740.17(b)(1)	G063878
SAS Data Loader for Hadoop	5D002c.1	ENC	740.17(b)(1)	
SAS Data Loader for Hadoop vApp	5D002c.1	ENC	740.17(b)(1)	
SAS Data Management Advanced	5D002c.1	ENC	740.17(b)(1)	
SAS Data Management DataPacks	5D002c.1	ENC	740.17(b)(1)	
SAS Data Management Enrichment for QAS	5D002c.1	ENC	740.17(b)(1)	
SAS Data Management Select for Midsize Business	5D002c.1	ENC	740.17(b)(1)	
SAS Data Management Server	5D002c.1	ENC	740.17(b)(1)	
SAS Data Management Standard	5D002c.1	ENC	740.17(b)(1)	
SAS Data Management Studio	5D002c.1	ENC	740.17(b)(1)	
SAS Data Management XML Converters	5D002c.1	ENC	740.17(b)(1)	
SAS Data Migration	5D002c.1	ENC	740.17(b)(1)	
SAS Data Mining for the Classroom	5D002c.1	ENC	740.17(b)(1)	
SAS Data Preparation	5D002c.1	ENC	740.17(b)(1)	
SAS Data Quality Accelerators	5D002c.1	ENC	740.17(b)(1)	
SAS Data Quality Advanced	5D002c.1	ENC	740.17(b)(1)	G080009
SAS Data Quality Desktop	5D002c.1	ENC	740.17(b)(1)	G080009
SAS Data Quality for Midsize Business	5D002c.1	ENC	740.17(b)(1)	
SAS Data Quality Standard	5D002c.1	ENC	740.17(b)(1)	G080009
SAS Data Quality Suite	5D002c.1	ENC	740.17(b)(1)	
SAS Data Science	5D002c.1	ENC	740.17(b)(1)	
SAS Data Science Programming	5D002c.1	ENC	740.17(b)(1)	
SAS Data Surveyor for Clickstream Data	5D002c.1	ENC	740.17(b)(1)	
SAS Data Surveyor for Oracle Applications	5D002c.1	ENC	740.17(b)(1)	
SAS Data Surveyor for PeopleSoft	5D002c.1	ENC	740.17(b)(1)	
SAS Data Surveyor for SAP	5D002c.1	ENC	740.17(b)(1)	
SAS Data Surveyor for Salesforce.com	5D002c.1	ENC	740.17(b)(1)	
SAS Data Surveyor for Siebel	5D002c.1	ENC	740.17(b)(1)	
SAS Decision Manager	5D002c.1	ENC	740.17(b)(1)	
SAS Decision Services	5D002c.1	ENC	740.17(b)(1)	
SAS Demand Forecasting for Retail	5D002c.1	ENC	740.17(b)(1)	
SAS Demand Forecasting for Retail Grid Nodes	5D002c.1	ENC	740.17(b)(1)	
SAS Demand Planning	5D002c.1	ENC	740.17(b)(1)	
SAS Demand Signal Repository	5D002c.1	ENC	740.17(b)(1)	
SAS Demand-Driven Planning and Optimization Foundation	5D002c.1	ENC	740.17(b)(1)	

<b>PRODUCT/OFFERING NAME</b>	<b>ECCN</b>	<b>LICENSE DESIGNATION</b>	<b>AUTHORIZATION TYPE</b>	<b>CCATS</b>
SAS Desktop Analytics Pro for Midsize Business	5D002c.1	ENC	740.17(b)(1)	
SAS Desktop Data Mining for Midsize Business	5D002c.1	ENC	740.17(b)(1)	
SAS Desktop Data Quality for Midsize Business	5D002c.1	ENC	740.17(b)(1)	
SAS Desktop for Healthcare Providers	5D002c.1	ENC	740.17(b)(1)	
SAS Detection and Investigation for Banking	5D002c.1	ENC	740.17(b)(1)	
SAS Detection and Investigation for Government	5D002c.1	ENC	740.17(b)(1)	
SAS Detection and Investigation for Health Care	5D002c.1	ENC	740.17(b)(1)	
SAS Detection and Investigation for Insurance	5D002c.1	ENC	740.17(b)(1)	
SAS Digital Marketing	5D002c.1	ENC	740.17(b)(1)	
SAS Document Duplication Detection	EAR99			
SAS Drug Development	5D002c.1	ENC	740.17(b)(1)	
SAS Econometrics	5D002c.1	ENC	740.17(b)(1)	
SAS e-Learning	EAR99			
SAS Embedded Process for Hadoop	5D002c.1	ENC	740.17(b)(1)	
SAS Embedded Process for Teradata	5D002c.1	ENC	740.17(b)(1)	
SAS Energy and Emissions Management	5D002c.1	ENC	740.17(b)(1)	
SAS Energy Distribution Optimization	5D002c.1	ENC	740.17(b)(1)	
SAS Energy Forecasting	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise Analytics for Education Advanced	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise Analytics for Education Standard	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise BI for Midsize Business	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise BI Server	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise Case Management	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise Case Management for Banking	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise Case Management for Health Care	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise Case Management for Insurance	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise Case Management for Tax Authorities	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise Content Categorization	EAR99			
SAS Enterprise Data Integration Server	5D002c.1	ENC	740.17(b)(1)	G063878
SAS Enterprise Data Management Server Platform	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise GRC	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise GRC for Audit Management	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise GRC for Compliance Management	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise GRC for Risk Management	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise Guide	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise Integration Technologies	5D002c.1	ENC	740.17(b)(1)	

<b>PRODUCT/OFFERING NAME</b>	<b>ECCN</b>	<b>LICENSE DESIGNATION</b>	<b>AUTHORIZATION TYPE</b>	<b>CCATS</b>
SAS Enterprise Intelligence Suite for Education	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise Management for Six Sigma	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise Miner	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise Miner for Desktop	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise Miner for Resellers	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise Miner for SAS Text Miner Server Support	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise Miner Personal Client	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise Miner Server	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise Model Management	5D002c.1	ENC	740.17(b)(1)	
SAS Enterprise Office Analytics for Midsize Business	5D002c.1	ENC	740.17(b)(1)	
SAS Episode Analytics Advanced	5D002c.1	ENC	740.17(b)(1)	
SAS Episode Analytics Standard	5D002c.1	ENC	740.17(b)(1)	
SAS EVAAS for K-12	EAR99			
SAS Event Stream Manager	5D002c.1	ENC	740.17(b)(1)	
SAS Event Stream Processing	5D002c.1	ENC	740.17(b)(1)	
SAS Event Stream Processing (SAS Viya Enabled)	5D002c.1	ENC	740.17(b)(1)	
SAS Event Stream Processing for CAS	5D002c.1	ENC	740.17(b)(1)	
SAS Event Stream Processing for Edge Computing	5D002c.1	ENC	740.17(b)(1)	
SAS Expected Credit Loss	5D002c.1	ENC	740.17(b)(1)	
SAS Factory Miner	5D002c.1	ENC	740.17(b)(1)	
SAS Federation Server	5D002c.1	ENC	740.17(b)(1)	
SAS Federation Server Driver for Apache Hive	5D002c.1	ENC	740.17(b)(1)	
SAS Field Quality Analytics	5D002c.1	ENC	740.17(b)(1)	
SAS Financial Crimes Monitor	5D002c.1	ENC	740.17(b)(1)	
SAS Financial Management	5D002c.1	ENC	740.17(b)(1)	
SAS Financial Management Adapter for SAP	5D002c.1	ENC	740.17(b)(1)	
SAS Financial Planning	5D002c.1	ENC	740.17(b)(1)	
SAS Finished Goods Optimization	5D002c.1	ENC	740.17(b)(1)	
SAS Firmwide Risk for Banking	5D002c.1	ENC	740.17(b)(1)	
SAS Firmwide Risk for Solvency II	5D002c.1	ENC	740.17(b)(1)	
SAS Firmwide Risk Management for Insurance	5D002c.1	ENC	740.17(b)(1)	
SAS for Achieving the Dream Initiative	5D002c.1	ENC	740.17(b)(1)	
SAS for Government Tax Audits	5D002c.1	ENC	740.17(b)(1)	
SAS for Government Tax Collections	5D002c.1	ENC	740.17(b)(1)	
SAS for Patron Value Optimization - Advanced	5D002c.1	ENC	740.17(b)(1)	
SAS for Patron Value Optimization - Standard	5D002c.1	ENC	740.17(b)(1)	

<b>PRODUCT/OFFERING NAME</b>	<b>ECCN</b>	<b>LICENSE DESIGNATION</b>	<b>AUTHORIZATION TYPE</b>	<b>CCATS</b>
SAS for Sustainability Management Solutions	5D002c.1	ENC	740.17(b)(1)	
SAS Forecast Analyst Workbench	5D002c.1	ENC	740.17(b)(1)	
SAS Forecast Server	5D002c.1	ENC	740.17(b)(1)	
SAS Forecast Server Procedures	5D002c.1	ENC	740.17(b)(1)	
SAS Forecasting for Desktop	5D002c.1	ENC	740.17(b)(1)	
SAS Forecasting for SAP APO	5D002c.1	ENC	740.17(b)(1)	
SAS Fraud Framework for Government	5D002c.1	ENC	740.17(b)(1)	
SAS Fraud Framework for Health Care	5D002c.1	ENC	740.17(b)(1)	
SAS Fraud Framework for Insurance	5D002c.1	ENC	740.17(b)(1)	
SAS Fraud Framework for Telecommunications	5D002c.1	ENC	740.17(b)(1)	
SAS Fraud Management	5D002c.1	ENC	740.17(b)(1)	
SAS Fraud Management: Network Investigation and Analysis for Banking	5D002c.1	ENC	740.17(b)(1)	
SAS Fraud Management: Network Investigation and Analysis for Insurance	5D002c.1	ENC	740.17(b)(1)	
SAS Fraud Network Analysis	5D002c.1	ENC	740.17(b)(1)	
SAS Governance and Compliance Manager	5D002c.1	ENC	740.17(b)(1)	
SAS Grid Manager	5D002c.1	ENC	740.17(b)(1)	G068054
SAS Grid Manager Control Server	5D002c.1	ENC	740.17(b)(1)	
SAS Grid Manager for Hadoop	5D002c.1	ENC	740.17(b)(1)	
SAS Grid Manager for Platform Client	5D002c.1	ENC	740.17(b)(1)	
SAS Grid Manager for Platform Control Server	5D002c.1	ENC	740.17(b)(1)	
SAS Grid Manager for Platform Node	5D002c.1	ENC	740.17(b)(1)	
SAS Grid Manager Node	5D002c.1	ENC	740.17(b)(1)	
SAS Health Outcomes Analysis	5D002c.1	ENC	740.17(b)(1)	
SAS Health: Cohort Builder	5D002c.1	ENC	740.17(b)(1)	
SAS Health: Data Mapper	5D002c.1	ENC	740.17(b)(1)	
SAS High-Performance Analytics Server	5D002c.1	ENC	740.17(b)(1)	
SAS High-Performance Anti-Money Laundering	5D002c.1	ENC	740.17(b)(1)	
SAS High-Performance Customer Link Analytics	5D002c.1	ENC	740.17(b)(1)	
SAS High-Performance Data Mining	5D002c.1	ENC	740.17(b)(1)	
SAS High-Performance Econometrics	5D002c.1	ENC	740.17(b)(1)	
SAS High-Performance Entity and Network Generation	5D002c.1	ENC	740.17(b)(1)	
SAS High-Performance Forecasting	5D002c.1	ENC	740.17(b)(1)	
SAS High-Performance Markdown Optimization	5D002c.1	ENC	740.17(b)(1)	
SAS High-Performance Marketing Optimization	5D002c.1	ENC	740.17(b)(1)	
SAS High-Performance Optimization	5D002c.1	ENC	740.17(b)(1)	
SAS High-Performance Predictive Modeling Workbench for SAP HANA	5D002c.1	ENC	740.17(b)(1)	

<b>PRODUCT/OFFERING NAME</b>	<b>ECCN</b>	<b>LICENSE DESIGNATION</b>	<b>AUTHORIZATION TYPE</b>	<b>CCATS</b>
SAS High-Performance Risk	5D002c.1	ENC	740.17(b)(1)	
SAS High-Performance Statistics	5D002c.1	ENC	740.17(b)(1)	
SAS High-Performance Text Mining	5D002c.1	ENC	740.17(b)(1)	
SAS Human Capital Management	5D002c.1	ENC	740.17(b)(1)	
SAS Human Capital Management Adapter for SAP	5D002c.1	ENC	740.17(b)(1)	
SAS In-Database Code Accelerators	5D002c.1	ENC	740.17(b)(1)	
SAS In-Database Technologies	5D002c.1	ENC	740.17(b)(1)	
SAS Industry Taxonomy Rules	EAR99			
SAS Information Delivery Portal	5D002c.1	ENC	740.17(b)(1)	
SAS Infrastructure for Risk Management	5D002c.1	ENC	740.17(b)(1)	
SAS In-Memory Statistics	5D002c.1	ENC	740.17(b)(1)	
SAS Insurance Analytics Architecture	5D002c.1	ENC	740.17(b)(1)	
SAS Integrated Merchandise Planning Solution	5D002c.1	ENC	740.17(b)(1)	
SAS Integration Technologies	5D002c.1	ENC	740.17(b)(1)	
SAS Intelligence and Investigation Management	5D002c.1	ENC	740.17(b)(1)	
SAS Intelligent Clustering for Retail	5D002c.1	ENC	740.17(b)(1)	
SAS Intelligent Decisioning	5D002c.1	ENC	740.17(b)(1)	
SAS Interaction Management	EAR99			
SAS Inventory Optimization Workbench	5D002c.1	ENC	740.17(b)(1)	
SAS Inventory Replenishment Planning	5D992c	MMKT	740.17(b)(1)	G138452
SAS IPTC Rules	EAR99			
SAS IT Management Solutions	5D002c.1	ENC	740.17(b)(1)	
SAS IT Resource Management	5D002c.1	ENC	740.17(b)(1)	
SAS Job Flow Scheduler	5D002c.1	ENC	740.17(b)(1)	
SAS Job Flow Scheduler (on SAS Viya)	5D002c.1	ENC	740.17(b)(1)	
SAS LASR Analytic Server Access Tools	5D002c.1	ENC	740.17(b)(1)	
SAS Life Science Analytics Framework	5D002c.1	ENC	740.17(b)(1)	
SAS Manufacturing Intelligence Architecture	5D002c.1	ENC	740.17(b)(1)	
SAS Manufacturing Quality	5D002c.1	ENC	740.17(b)(1)	
SAS Markdown Optimization	5D002c.1	ENC	740.17(b)(1)	
SAS Market Risk for Banking	5D002c.1	ENC	740.17(b)(1)	
SAS Market Risk Management for Insurance	5D002c.1	ENC	740.17(b)(1)	
SAS Marketing Automation	5D002c.1	ENC	740.17(b)(1)	
SAS Marketing Automation for Banking	5D002c.1	ENC	740.17(b)(1)	
SAS Marketing Automation for Insurance	5D002c.1	ENC	740.17(b)(1)	
SAS Marketing Automation for Telecommunications	5D002c.1	ENC	740.17(b)(1)	



<b>PRODUCT/OFFERING NAME</b>	<b>ECCN</b>	<b>LICENSE DESIGNATION</b>	<b>AUTHORIZATION TYPE</b>	<b>CCATS</b>
SAS Marketing Operations Management	5D002c.1	ENC	740.17(b)(1)	
SAS Marketing Optimization	5D002c.1	ENC	740.17(b)(1)	
SAS Marketing Optimization for SAS Marketing Automation	5D002c.1	ENC	740.17(b)(1)	
SAS Marketing Optimization Solution	5D002c.1	ENC	740.17(b)(1)	
SAS Marketing Scorecards	5D002c.1	ENC	740.17(b)(1)	
SAS MDM	5D002c.1	ENC	740.17(b)(1)	
SAS MDM Advanced	5D002c.1	ENC	740.17(b)(1)	
SAS MDM Standard	5D002c.1	ENC	740.17(b)(1)	
SAS Merchandise Allocation	5D002c.1	ENC	740.17(b)(1)	
SAS Merchandise Assortment Planning	5D002c.1	ENC	740.17(b)(1)	
SAS Merchandise Financial Planning and In-Season Management	5D002c.1	ENC	740.17(b)(1)	
SAS Merchandise Solutions Base	5D002c.1	ENC	740.17(b)(1)	
SAS MeSH Rules	EAR99			
SAS Metadata Bridges	5D002c.1	ENC	740.17(b)(1)	
SAS Mobile Investigator	5D002c.1	ENC	740.17(b)(1)	
SAS Model Implementation Platform	5D002c.1	ENC	740.17(b)(1)	
SAS Model Manager	5D002c.1	ENC	740.17(b)(1)	
SAS Model Risk Management	5D002c.1	ENC	740.17(b)(1)	
SAS New Product Forecasting	5D002c.1	ENC	740.17(b)(1)	
SAS Offer Optimization for Communications	5D002c.1	ENC	740.17(b)(1)	
SAS Office Analytics	5D002c.1	ENC	740.17(b)(1)	
SAS Office Analytics for Midsize Business	5D002c.1	ENC	740.17(b)(1)	
SAS OLAP Server	5D002c.1	ENC	740.17(b)(1)	
SAS OnDemand for Academics	5D002c.1	ENC	740.17(b)(1)	
SAS OnDemand for Academics: Enterprise Guide	5D002c.1	ENC	740.17(b)(1)	
SAS OnDemand for Academics: Enterprise Miner	5D002c.1	ENC	740.17(b)(1)	
SAS OnDemand for Academics: Forecast Server	5D002c.1	ENC	740.17(b)(1)	
SAS OnDemand for Academics: JMP	5D002c.1	ENC	740.17(b)(1)	
SAS OnDemand for Professional Education	5D002c.1	ENC	740.17(b)(1)	
SAS Ontology Management	EAR99			
SAS Open Model Manager	5D002c.1	ENC	740.17(b)(1)	
SAS OpRisk Global Data	5D002c.1	ENC	740.17(b)(1)	
SAS OpRisk Management	5D002c.1	ENC	740.17(b)(1)	
SAS OpRisk VaR	5D002c.1	ENC	740.17(b)(1)	
SAS Optimization	5D002c.1	ENC	740.17(b)(1)	
SAS Orchestration Adapters	5D002c.1	ENC	740.17(b)(1)	

<b>PRODUCT/OFFERING NAME</b>	<b>ECCN</b>	<b>LICENSE DESIGNATION</b>	<b>AUTHORIZATION TYPE</b>	<b>CCATS</b>
SAS Pack Optimization	5D002c.1	ENC	740.17(b)(1)	
SAS Peer Group Analysis	5D002c.1	ENC	740.17(b)(1)	
SAS Predictive Asset Maintenance	5D002c.1	ENC	740.17(b)(1)	
SAS Predictive Modeling Workbench for SAP HANA	5D002c.1	ENC	740.17(b)(1)	
SAS Predictive Modeling Workbench for SAP HANA for Midsize Business	5D002c.1	ENC	740.17(b)(1)	
SAS Price Plan Optimization for Telecommunications	5D002c.1	ENC	740.17(b)(1)	
SAS Process Intelligence for Manufacturing	5D002c.1	ENC	740.17(b)(1)	
SAS Production Quality Analytics Standard Edition	5D002c.1	ENC	740.17(b)(1)	
SAS Profitability Management	5D002c.1	ENC	740.17(b)(1)	
SAS Promotion Effectiveness for Retail	5D002c.1	ENC	740.17(b)(1)	
SAS Promotion Optimization	5D002c.1	ENC	740.17(b)(1)	
SAS Qualitative Assessment Manager	5D002c.1	ENC	740.17(b)(1)	
SAS Quality Analytic Suite	5D002c.1	ENC	740.17(b)(1)	
SAS Quality Knowledge Base	5D002c.1	ENC	740.17(b)(1)	
SAS Quality Lifecycle Analysis - Standard and Advanced	5D002c.1	ENC	740.17(b)(1)	
SAS Rapid Predictive Modeler	5D002c.1	ENC	740.17(b)(1)	
SAS Rate Making for Insurance	5D002c.1	ENC	740.17(b)(1)	
SAS Real World Evidence	5D002c.1	ENC	740.17(b)(1)	
SAS Real-Time Decision Manager	5D002c.1	ENC	740.17(b)(1)	
SAS Real-Time Screening	5D002c.1	ENC	740.17(b)(1)	
SAS Regular Price Optimization	5D002c.1	ENC	740.17(b)(1)	
SAS Regulatory Risk Management	5D002c.1	ENC	740.17(b)(1)	
SAS Retail Assortment Planning	5D002c.1	ENC	740.17(b)(1)	
SAS Retail Financial Planning	5D002c.1	ENC	740.17(b)(1)	
SAS Retail Forecasting	5D002c.1	ENC	740.17(b)(1)	
SAS Revenue Management and Price Optimization Analytics	5D002c.1	ENC	740.17(b)(1)	
SAS Risk Analytics Builder	5D002c.1	ENC	740.17(b)(1)	
SAS Risk and Finance Workbench	5D002c.1	ENC	740.17(b)(1)	
SAS Risk Cirrus: Asset and Liability Management	5D002c.1	ENC	740.17(b)(1)	
SAS Risk Data Aggregation and Reporting	5D002c.1	ENC	740.17(b)(1)	
SAS Risk Dimensions	5D002c.1	ENC	740.17(b)(1)	
SAS Risk Engine	5D002c.1	ENC	740.17(b)(1)	
SAS Risk Management for Banking Distributed Mode	5D002c.1	ENC	740.17(b)(1)	
SAS Risk Modeling Workbench	5D002c.1	ENC	740.17(b)(1)	
SAS Scalable Performance Data Server	5D992c	MMKT	740.17(b)(1)	G138452
SAS Scoring Accelerators	5D002c.1	ENC	740.17(b)(1)	

<b>PRODUCT/OFFERING NAME</b>	<b>ECCN</b>	<b>LICENSE DESIGNATION</b>	<b>AUTHORIZATION TYPE</b>	<b>CCATS</b>
SAS Search and Indexing	EAR99			
SAS Sentiment Analysis	EAR99			
SAS Sentiment Taxonomy Rules	EAR99			
SAS Service Operations Optimization	5D002c.1	ENC	740.17(b)(1)	
SAS Simulation Studio	5D002c.1	ENC	740.17(b)(1)	
SAS Size Optimization	5D002c.1	ENC	740.17(b)(1)	
SAS Size Profiling	5D002c.1	ENC	740.17(b)(1)	
SAS Social Media Analytics	5D002c.1	ENC	740.17(b)(1)	
SAS Social Network Analysis Server	5D002c.1	ENC	740.17(b)(1)	
SAS Space Optimization	5D002c.1	ENC	740.17(b)(1)	
SAS Space Planning	5D002c.1	ENC	740.17(b)(1)	
SAS StoreCAD Plus	5D002c.1	ENC	740.17(b)(1)	
SAS Strategy Management	5D002c.1	ENC	740.17(b)(1)	
SAS Strategy Management for Manufacturing	5D002c.1	ENC	740.17(b)(1)	
SAS Studio Analyst	5D002c.1	ENC	740.17(b)(1)	
SAS Supply Chain Intelligence Center	5D002c.1	ENC	740.17(b)(1)	
SAS Suspect Claims Detection	5D002c.1	ENC	740.17(b)(1)	
SAS Sustainability Reporting	5D002c.1	ENC	740.17(b)(1)	
SAS Table Server	5D002c.1	ENC	740.17(b)(1)	
SAS Talon	5D002c.1	ENC	740.17(b)(1)	
SAS Talent Scorecard	5D002c.1	ENC	740.17(b)(1)	
SAS Text Summarization	EAR99			
SAS Text Analytics	5D002c.1	ENC	740.17(b)(1)	
SAS Text Analytics (on SAS Viya)	5D002c.1	ENC	740.17(b)(1)	
SAS Text Data Language Pack	EAR99			
SAS Text Miner	5D002c.1	ENC	740.17(b)(1)	
SAS Text Miner for Desktop	5D002c.1	ENC	740.17(b)(1)	
SAS Training Points	EAR99			
SAS Transaction Monitoring Optimization	5D002c.1	ENC	740.17(b)(1)	
SAS Underwriting Risk Management for Life Insurance	5D002c.1	ENC	740.17(b)(1)	
SAS Underwriting Risk Management for P&C Insurance	5D002c.1	ENC	740.17(b)(1)	
SAS Unified Insights	5D002c.1	ENC	740.17(b)(1)	
SAS University Edition vApp	5D992c	MMKT	740.17(b)(1)	
SAS Visual Analytics	5D002c.1	ENC	740.17(b)(1)	
SAS Visual Analytics (on SAS Viya)	5D002c.1	ENC	740.17(b)(1)	
SAS Visual Analytics Add-In for Office	5D002c.1	ENC	740.17(b)(1)	

<b>PRODUCT/OFFERING NAME</b>	<b>ECCN</b>	<b>LICENSE DESIGNATION</b>	<b>AUTHORIZATION TYPE</b>	<b>CCATS</b>
SAS Visual Analytics for Virtual Applications	5D002c.1	ENC	740.17(b)(1)	
SAS Visual Analytics GO	5D002c.1	ENC	740.17(b)(1)	
SAS Visual Analytics vApp	5D002c.1	ENC	740.17(b)(1)	
SAS Visual BI	5D992c	MMKT	740.17(b)(1)	G138452
SAS Visual Data Discovery for Desktop	5D002c.1	ENC	740.17(b)(1)	
SAS Visual Data Mining and Machine Learning	5D002c.1	ENC	740.17(b)(1)	
SAS Visual Data Science	5D002c.1	ENC	740.17(b)(1)	
SAS Visual Data Science Decisioning	5D002c.1	ENC	740.17(b)(1)	
SAS Visual Forecasting	5D002c.1	ENC	740.17(b)(1)	
SAS Visual Investigator	5D002c.1	ENC	740.17(b)(1)	
SAS Visual Machine Learning	5D002c.1	ENC	740.17(b)(1)	
SAS Visual Scenario Designer	5D002c.1	ENC	740.17(b)(1)	
SAS Visual Statistics	5D002c.1	ENC	740.17(b)(1)	
SAS Visual Statistics (on SAS Viya)	5D002c.1	ENC	740.17(b)(1)	
SAS Visual Text Analytics	5D002c.1	ENC	740.17(b)(1)	
SAS Viya Common Foundation	5D002c.1	ENC	740.17(b)(1)	
SAS Warranty Analysis	5D002c.1	ENC	740.17(b)(1)	
SAS Web Analytics	5D002c.1	ENC	740.17(b)(1)	
SAS Web Crawler	EAR99			
SAS/ACCESS Interface to ADABAS	5D002c.1	ENC	740.17(b)(1)	
SAS/ACCESS Interface to Aster	5D992c	MMKT	740.17(b)(1)	G138452
SAS/ACCESS Interface to CA-IDMS	5D002c.1	ENC	740.17(b)(1)	
SAS/ACCESS Interface to DATACOM/DB	5D002c.1	ENC	740.17(b)(1)	
SAS/ACCESS Interface to DB2	5D002c.1	ENC	740.17(b)(1)	
SAS/ACCESS Interface to Greenplum	5D992c	MMKT	740.17(b)(1)	G138452
SAS/ACCESS Interface to Hadoop	5D992c	MMKT	740.17(b)(1)	
SAS/ACCESS Interface to IMS-DL/I	5D002c.1	ENC	740.17(b)(1)	
SAS/ACCESS Interface to INFORMIX	5D002c.1	ENC	740.17(b)(1)	
SAS/ACCESS Interface to Microsoft SQL Server	5D992c	MMKT	740.17(b)(1)	
SAS/ACCESS Interface to Microsoft SQL Server (royalty component)	5D002c.1	ENC	740.17(b)(1)	
SAS/ACCESS Interface to MySQL	5D002c.1	ENC	740.17(b)(1)	
SAS/ACCESS Interface to Netezza	5D992c	MMKT	740.17(b)(1)	G138452
SAS/ACCESS Interface to ODBC	5D002c.1	ENC	740.17(b)(1)	
SAS/ACCESS Interface to OLE DB	5D002c.1	ENC	740.17(b)(1)	
SAS/ACCESS Interface to ORACLE	5D002c.1	ENC	740.17(b)(1)	
SAS/ACCESS Interface to ORACLE Rdb	5D002c.1	ENC	740.17(b)(1)	

<b>PRODUCT/OFFERING NAME</b>	<b>ECCN</b>	<b>LICENSE DESIGNATION</b>	<b>AUTHORIZATION TYPE</b>	<b>CCATS</b>
SAS/ACCESS Interface to PC Files	5D992c	MMKT	740.17(b)(1)	
SAS/ACCESS Interface to PostgreSQL (on SAS Viya)	5D002c.1	ENC	740.17(b)(1)	
SAS/ACCESS Interface to R/3	5D002c.1	ENC	740.17(b)(1)	
SAS/ACCESS Interface to SYBASE	5D002c.1	ENC	740.17(b)(1)	
SAS/ACCESS Interface to SYBASE IQ	5D992c	MMKT	740.17(b)(1)	G138452
SAS/ACCESS Interface to SYSTEM 2000	5D002c.1	ENC	740.17(b)(1)	
SAS/ACCESS Interface to Teradata	5D992c	MMKT	740.17(b)(1)	G138452
SAS/AF	5D002c.1	ENC	740.17(b)(1)	
SAS/ASSIST	5D002c.1	ENC	740.17(b)(1)	
SAS/CONNECT	5D002c.1	ENC	740.17(b)(1)	
SAS/CONNECT (on SAS Viya)	5D002c.1	ENC	740.17(b)(1)	
SAS/EIS	5D002c.1	ENC	740.17(b)(1)	
SAS/ETS	5D002c.1	ENC	740.17(b)(1)	
SAS/FSP	5D002c.1	ENC	740.17(b)(1)	
SAS/Genetics	5D992c	MMKT	740.17(b)(1)	G138452
SAS/GIS	5D002c.1	ENC	740.17(b)(1)	
SAS/GRAPH	5D002c.1	ENC	740.17(b)(1)	
SAS/IML	5D002c.1	ENC	740.17(b)(1)	
SAS/INSIGHT	5D002c.1	ENC	740.17(b)(1)	
SAS/IntrNet	5D002c.1	ENC	740.17(b)(1)	
SAS/LAB	5D002c.1	ENC	740.17(b)(1)	
SAS/OR	5D002c.1	ENC	740.17(b)(1)	
SAS/QC	5D002c.1	ENC	740.17(b)(1)	
SAS/SECURE	5D992c	MMKT	740.17(b)(1)	G138452
SAS/SESSION for CICS	5D992c	MMKT	740.17(b)(1)	G138452
SAS/SHARE	5D002c.1	ENC	740.17(b)(1)	
SAS/STAT	5D002c.1	ENC	740.17(b)(1)	
SAS/TOOLKIT	5D002c.1	ENC	740.17(b)(1)	
SAS/Warehouse Administrator	5D002c.1	ENC	740.17(b)(1)	
STATPLUS	5D002c.1	ENC	740.17(b)(1)	
<b>Mobile Apps</b>				
Big Data Overload	5D992c	MMKT	740.17(b)(1)	
Big Data Overload for Android	5D992c	MMKT	740.17(b)(1)	
Briefing Book	5D992c	MMKT	740.17(b)(1)	
Executive Briefing Book for SMA	5D992c	MMKT	740.17(b)(1)	
JMP Graph Builder	5D992c	MMKT	740.17(b)(1)	

<b>PRODUCT/OFFERING NAME</b>	<b>ECCN</b>	<b>LICENSE DESIGNATION</b>	<b>AUTHORIZATION TYPE</b>	<b>CCATS</b>
Real Time Tweets	5D992c	MMKT	740.17(b)(1)	
SAS CodeSnaps	5D992c	MMKT	740.17(b)(1)	
SAS Data Notebook	5D992c	MMKT	740.17(b)(1)	
SAS Events	5D992c	MMKT	740.17(b)(1)	
SAS Events for Android	5D992c	MMKT	740.17(b)(1)	
SAS Flash Cards	5D992c	MMKT	740.17(b)(1)	
SAS Gloss	5D992c	MMKT	740.17(b)(1)	
SAS Marketing Analytics	5D992c	MMKT	740.17(b)(1)	
SAS Math Stretch	5D992c	MMKT	740.17(b)(1)	
SAS Math Stretch for Android	5D992c	MMKT	740.17(b)(1)	
SAS Mobile BI	5D992c	MMKT	740.17(b)(1)	
SAS Mobile BI for Android	5D992c	MMKT	740.17(b)(1)	
SAS News	5D992c	MMKT	740.17(b)(1)	
SAS Punctuation Rules!	5D992c	MMKT	740.17(b)(1)	
SAS Read Aloud	5D992c	MMKT	740.17(b)(1)	
SAS Reading Records	5D992c	MMKT	740.17(b)(1)	
SAS Writing Navigator	5D992c	MMKT	740.17(b)(1)	
Story Hub	5D992c	MMKT	740.17(b)(1)	