

CA Vantage Storage Resource Manager 14.0
CA RS 2008 Service List

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Service	Description	Type
S013209	FIXES FOR CA VANTAGE DFSMSHSM OCDS AUDIT	PTF
S013622	NEW CA VANTAGE FICON AND DASD ACTIVITY PERFORMANCE OBJECTS	PTF
S013844	THIN PROVISIONING - SPACEREL SUPPORT FOR IBM DS888* DISKS	PTF
S013928	CA VANTAGE REST API INTEGRATION WITH ZOWE API ML	PTF
The CA RS 2008 service count for this release is 4		

CA Vantage Storage Resource Manager
CA RS 2008 Service List for CCTUE00

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FMID	Service	Description	Type
CCTUE00	S013209	FIXES FOR CA VANTAGE DFSMSHSM OCDS AUDIT	PTF
	S013622	NEW CA VANTAGE FICON AND DASD ACTIVITY PERFORMANCE OBJECTS	PTF
	S013844	THIN PROVISIONING - SPACEREL SUPPORT FOR IBM DS888* DISKS	PTF
	S013928	CA VANTAGE REST API INTEGRATION WITH ZOWE API ML	PTF
The CA RS 2008 service count for this FMID is 4			

Service	Details																
S013209	<p>S013209 M.C.S. ENTRIES = ++PTF (S013209)</p> <p>FIXES FOR CA VANTAGE DFSMSHSM OCDS AUDIT</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>This SYSMOD enhances the CA Vantage audit processing for HSM OCDS as follows:</p> <ul style="list-style-type: none"> * Decreases significantly the time needed for the audit execution * Reduces memory and CPU resources consumption for audits * Provides support for zIIP <p>Additionally, this SYSMOD:</p> <p>Adds two new columns to the "(HMAOCD) DFSMSHsm OCDS Audit Details" object located under "Backup and Archive Management - Audits - Details":</p> <ul style="list-style-type: none"> * TTC entry (key of the OCDS volume keeping the audited data set) * Catalog (name of the catalog assigned to the original user data set) <p>Adds the new RACF column (indicates if Data Set is RACF protected) to the "(HSMCC) DFSMSHsm BCDS Backup Version Records" object located under "Backup and Archive Management - Control Data Sets".</p> <p>The TTC Entry field is now visible in the "(HSMTTDSN) DFSMSHsm OCDS Tape Data Sets" object located under "Backup and Archive Management - Control Data Sets - OCDS".</p> <p>SYMPTOMS:</p> <p>None.</p> <p>IMPACT:</p> <p>None.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Vantage SRM Release 14.0</p> <p>CA Vantage GMI Release 14.0</p> <p>Related Problem:</p> <p>VANT 9970</p> <p>Copyright (C) 2020 CA. All rights reserved. R00356-CTU140-SP1</p> <p>DESC(FIXES FOR CA VANTAGE DFSMSHSM OCDS AUDIT).</p> <p>++VER (Z038)</p> <p>FMID (CCTUE00)</p> <p>PRE (R087496 R089834 R092145 S008213 S011427 S013736)</p> <p>SUP (ST13012 ST13209)</p> <p>++HOLD (S013209) SYSTEM FMID(CCTUE00)</p> <p>REASON (ENH) DATE (20203)</p> <p>COMMENT (</p> <table border="1"> <tr> <td>CA Vantage SRM and CA Vantage GMI</td><td>Version 14.0</td></tr> <tr> <td>SEQUENCE</td><td>After Apply</td></tr> <tr> <td>PURPOSE</td><td>Describes a new enhancement to current objects.</td></tr> <tr> <td>USERS</td><td>All users.</td></tr> <tr> <td>AFFECTED</td><td></td></tr> <tr> <td>KNOWLEDGE</td><td>CA Vantage customization.</td></tr> <tr> <td>REQUIRED</td><td></td></tr> <tr> <td>ACCESS</td><td>CA Vantage libraries.</td></tr> </table> <p>)</p>	CA Vantage SRM and CA Vantage GMI	Version 14.0	SEQUENCE	After Apply	PURPOSE	Describes a new enhancement to current objects.	USERS	All users.	AFFECTED		KNOWLEDGE	CA Vantage customization.	REQUIRED		ACCESS	CA Vantage libraries.
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Service	Details
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Service	Details
	<p>*****</p> <p>Mappings have changed for the following objects:</p> <p>* Obj=(HSMACD) DFSMSHsm OCDS Audit Details Column "TTC entry" is added. Column "Catalog" is added.</p> <p>* Obj=(HSMCC) DFSMSHsm BCDS Backup Version Records Column "RACF" is added. Column "Hccflags" format has been changed from CHAR to HEX.</p> <p>* Obj=(HSMTTDSN) DFSMSHsm OCDS Tape Data Sets Column "TTC entry" has become visible.</p> <p>* Obj=(HSMCD) DFSMSHsm MCDS Records Column "Mcdflags" format has been changed from CHAR TO HEX.</p> <ol style="list-style-type: none"> 1. Reload the related Windows Client object definition on any system where this maintenance is installed. 2. If you have Windows Client User View or Web Client Dashboard created on any of the objects above, go to View and Output Object definition or Dashboard setting and ensure that the columns of your interest are selected to be displayed. 3. If any of the objects above are specified in Summary, Joined, Delta, User view, Console or Dashboard object definition filters, review the fields in the filter to ensure that the correct field or value is tested. 4. If any of the fields above are specified in SYSTEM, LOG, GOA, AUDIT, MESSAGE script filter criteria, review the script filter criteria and ensure that correct field or value is being tested. 5. Review and update your programs or templates that use the objects above. Update your programs or templates that work with log or capture records of the objects above. <p>For more information, see the MAPPINGS member distributed in the CCTUSAMP library.</p> <p>).</p>

Service	Details
S013622	<p>S013622 M.C.S. ENTRIES = ++PTF (S013622)</p> <p>NEW CA VANTAGE FICON AND DASD ACTIVITY PERFORMANCE OBJECTS ENHANCEMENT DESCRIPTION:</p> <p>This sysmod delivers following five new objects under the Performance Management - FICON in the CA Vantage object tree:</p> <p>* (OBJ092030) FICON Channel Path Activity</p> <p>The FICON Channel Path Activity object provides information about activities on the individual FICON channel paths. You can use this object to see how each FICON channel path is utilized and if the path is busy during the RMF recording period.</p> <p>* (OBJ092031) Link Diagnostic Performance</p> <p>The Link Diagnostic Information Performance object shows each FICON channel, switch entry port, switch exit port, and control unit port that is accessible to z/OS.</p> <p>The object shows the link diagnostic information for a particular port. This includes operational information related to the optics, such as the transmit and receive power, current and capable operating speed, and error counters.</p> <p>This information can be used to diagnose I/O errors and performance issues that might be caused by fiber optic infrastructure issues or incorrect I/O configurations.</p> <p>* (OBJ092035) DASD Activity Configurations</p> <p>The DASD Activity Configurations object shows the device number, type, storage group to which related volume belongs and other similar configuration data collected about the device.</p> <p>* (OBJ092036) DASD Activity Performance</p> <p>The DASD Activity Performance object shows the number of requests (active or queued) on the device, pending and connect time to service those requests.</p> <p>* (OBJ092037) Link Diagnostic Configurations</p> <p>The Link Diagnostic Information Configurations object shows data about physical status, such as Voltage High Alarm, Transceiver High Temperature Warning for each FICON channel, switch entry port, switch exit port, and control unit port that is accessible to z/OS.</p> <p>SYMPTOMS:</p> <p>None.</p> <p>IMPACT:</p> <p>None.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Vantage SRM Release 14.0</p> <p>CA Vantage GMI Release 14.0</p> <p>Related Problem:</p> <p>VANT 9990</p> <p>Copyright (C) 2020 CA. All rights reserved. R00370-CTU140-SP1</p> <p>DESC(NEW CA VANTAGE FICON AND DASD ACTIVITY PERFORMANCE OBJECTS). ++VER (Z038) FMID (CCTUE00) PRE (R092145 R099407 S012492 S013380) SUP (ST13622) ++HOLD (S013622) SYSTEM FMID(CCTUE00)</p>

Service	Details
	REASON (ACTION) DATE (20189) COMMENT (+-----+ CA Vantage SRM and CA Vantage GMI Version 14.0 +-----+ SEQUENCE After Apply Before using any CA Vantage object that is based on collection of SMF records. +-----+ PURPOSE To load the new version of VANSFU83 CA Vantage exit that is responsible for collection of SMF records. +-----+ USERS All current users of any CA Vantage object that is AFFECTED based on collection of SMF records. +-----+ KNOWLEDGE CA Vantage configuration and customization. REQUIRED +-----+ ACCESS CA Vantage libraries. REQUIRED +-----+ ***** * STEPS TO PERFORM * ***** 1. Recycle the CA Vantage host task. 2. Issue the following MODIFY commands to install the new SMF exit: I. F SAMS,SMF,REMOVE II.F SAMS,SMF,REINSTALL Alternatively, wait for the next IPL. During IPL, the new CA Vantage SMF exit is loaded and activated automatically.). ++HOLD (S013622) SYSTEM FMID(CCTUE00) REASON (ENH) DATE (20189) COMMENT (+-----+ CA Vantage SRM and CA Vantage GMI Version 14.0 +-----+ SEQUENCE After Apply Before using the following CA Vantage objects: (OBJ092030) FICON Channel Path Activity (OBJ092031) Link Diagnostic Performance (OBJ092035) DASD Activity Configurations (OBJ092036) DASD Activity Performance (OBJ092037) Link Diagnostic Configurations +-----+ PURPOSE Describes the new enhancement to CA Vantage. +-----+ USERS All users interested in FICON Performance monitoring. AFFECTED +-----+ KNOWLEDGE CA Vantage customization. REQUIRED +-----+ ACCESS CA Vantage libraries.

Service	Details
	<pre> REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** This sysmod delivers following five new objects under the Performance Management - FICON in the CA Vantage object tree: * (OBJ092030) FICON Channel Path Activity The FICON Channel Path Activity object provides information about activities on the individual FICON channel paths. You can use this object to see how each FICON channel path is utilized and if the path is busy during the RMF recording period. * (OBJ092031) Link Diagnostic Performance The Link Diagnostic Information Performance object shows each FICON channel, switch entry port, switch exit port, and control unit Port that is accessible to z/OS. The object shows the link diagnostic information for a particular port. This includes operational information related to the optics, such as the transmit and receive power, current and capable operating speed, and error counters. This information can be used to diagnose I/O errors and performance issues that might be caused by fiber optic infrastructure issues or incorrect I/O configurations. * (OBJ092035) DASD Activity Configurations The DASD Activity Configurations object shows the device number, type, storage group to which related volume belongs and other similar configuration data collected about the device. * (OBJ092036) DASD Activity Performance The DASD Activity Performance object shows the number of requests (active or queued) on the device, pending and connect time to service those requests. * (OBJ092037) Link Diagnostic Configurations The Link Diagnostic Information Configurations object shows data about physical status, such as Voltage High Alarm, Transceiver High Temperature Warning for each FICON channel, switch entry port, switch exit port, and control unit port that is accessible to z/OS. 1. This enhancement is delivered deactivated. For activation instructions, see Configuring FICON and DASD activity Performance Objects in the Configuration section of the CA Vantage documentation. 2. If you currently use CA Vantage objects that are based on collecting SMF records, execute also the instructions from the HOLD data type ACTION.).</pre>

Service	Details
S013844	<p>S013844 M.C.S. ENTRIES = ++PTF (S013844)</p> <p>THIN PROVISIONING - SPACEREL SUPPORT FOR IBM DS888* DISKS</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>This sysmod delivers the following enhancements:</p> <p>Adds a new object (OBJ02187) Thin Provisioning Volumes under RAID devices in CA Vantage object tree.</p> <p>This new object shows data about Thin Allocation from RAID boxes and data about allocation from the VTOC.</p> <p>Currently "(OBJ02187) Thin Provisioning Volumes" supports only Thin Provisioning for IBM DS888* boxes.</p> <p>Object supports the following actions:</p> <ul style="list-style-type: none"> * Release Space Vol - releases the IDLE space on specific volume * Release Space Stg - releases the IDLE space on specific Storage Group <p>Adds action "Release Space Vol" (releases the idle space on specific volume) into object "(OBJ02422) DS88XX Volumes" located under RAID Devices IBM Arrays - DS8870 and DS8880 in CA Vantage object tree.</p> <p>SYMPTOMS:</p> <p>None.</p> <p>IMPACT:</p> <p>None.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Vantage SRM Release 14.0</p> <p>CA Vantage GMI Release 14.0</p> <p>Related Problem:</p> <p>VANT 9976</p> <p>Copyright (C) 2020 CA. All rights reserved. R00381-CTU140-SP1</p> <p>DESC(THIN PROVISIONING - SPACEREL SUPPORT FOR IBM DS888* DISKS).</p> <p>++VER (Z038)</p> <p>FMID (CCTUE00)</p> <p>PRE (R084906 R097383 S003923 S005955 S006202 S006439 S011730 S012692 S012928)</p> <p>SUP (ST12727 ST12948 ST13636 ST13844)</p> <p>++HOLD (S013844) SYSTEM FMID(CCTUE00)</p> <p>REASON (ENH) DATE (20195)</p> <p>COMMENT (</p> <pre> +-----+ CA Vantage SRM and CA Vantage GMI Version 14.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ SEQUENCE Before using the following objects: (OBJ02187) Thin Provisioning Volumes (OBJ02422) DS88XX Volumes +-----+-----+ PURPOSE Describe enhancements of CA Vantage objects. +-----+-----+ USERS All users who want to use SPACEREL action for Thin AFFECTED Provisioning for IBM DS888* boxes, users of (OBJ02187) Thin Provisioning Volumes and (OBJ02422) DS88XX Volumes CA Vantage objects. </pre>

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	<pre> +-----+-----+ KNOWLEDGE CA Vantage customization. REQUIRED +-----+-----+ ACCESS CA Vantage libraries. REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** This sysmod delivers the following enhancements: Adds a new object (OBJ02187) Thin Provisioning Volumes under RAID devices in CA Vantage object tree. This new object shows data about Thin Allocation from RAID boxes and data about allocation from the VTOC. Currently "(OBJ02187) Thin Provisioning Volumes" supports only Thin Provisioning for IBM DS888* boxes. Object supports the following actions: * Release Space Vol - releases the IDLE space on specific volume * Release Space Stg - releases the IDLE space on specific Storage Group Adds action "Release Space Vol" (releases the idle space on specific volume) into object "(OBJ02422) DS88XX Volumes" located under RAID Devices IBM Arrays - DS8870 and DS8880 in CA Vantage object tree.).</pre>

Service	Details
SO13928	<p>SO13928 M.C.S. ENTRIES = ++PTF (SO13928)</p> <p>CA VANTAGE REST API INTEGRATION WITH ZOWE API ML</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>This SYSMOD allows you to integrate your CA Vantage REST API (service) with ZOWE Application Programming Interface Mediation Layer (API ML). The API Mediation Layer provides a single point of access to mainframe REST APIs and offers enterprise cloud-like features such as high-availability, scalability, dynamic API discovery, and documentation.</p> <p>SYMPTOMS:</p> <p>None.</p> <p>IMPACT:</p> <p>None.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Vantage SRM Release 14.0</p> <p>CA Vantage GMI Release 14.0</p> <p>Related Problem:</p> <p>VANT 9996</p> <p>Copyright (C) 2020 CA. All rights reserved. R00384-CTU140-SP1</p> <p>DESC(CA VANTAGE REST API INTEGRATION WITH ZOWE API ML).</p> <p>++VER (Z038)</p> <p>FMID (CCTUE00)</p> <p>PRE (S004038 S008472)</p> <p>SUP (ST10339 ST13928)</p> <p>++HOLD (SO13928) SYSTEM FMID(CCTUE00)</p> <p>REASON (ACTION) DATE (20198)</p> <p>COMMENT (</p> <pre> +-----+ CA Vantage SRM and CA Vantage GMI Version 14.0 +-----+-----+ SEQUENCE After Apply Before using CA Vantage REST API server with or without ZOWE API ML. +-----+-----+ PURPOSE Apply new method of configuring CA Vantage REST API + + server. + +-----+-----+ USERS All users who configured previous version of CA Vantage AFFECTED REST API server - SYSMOD S008472. +-----+-----+ KNOWLEDGE CA Vantage REST API configuration and customization. REQUIRED +-----+-----+ ACCESS CA Vantage libraries and your proclib library. REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** After applying this SYSMOD the current started task procedure for CA Vantage REST API server becomes obsolete and you won't be able </pre>

Service	Details																																																																
	<p>to start the CA Vantage REST API server unless you execute the new configuration method.</p> <p>This method is similar to the old method with difference that configuration is no more stored in application-production.yaml file, but is stored in configuration members of REST API started task PARMLIB. If you are using a previous version of CA Vantage REST API - SYSMOD SO08472, then after apply of this SYSMOD:</p> <ol style="list-style-type: none">1. Locate J017REST job in youHLQ.CCTUSAMP, execute the job according to the self-contained instructions.2. Customize the configuration member VNPAPIC in the CA Vantage REST API server PARMLIB library allocated by the J017REST job.3. Copy new VNJRESTA starting procedure into your PROCLIB library, customize the starting procedure according self-contained self-contained instructions. <p>For more information on how to newly configure CA Vantage REST API server and/or optionally integrate CA Vantage REST API server as an service for ZOWE API ML see the "Configure the REST API Server" of the CA Vantage r14.0 documentation.</p> <p>).</p> <p>++HOLD (S013928) SYSTEM FMID(CCTUE00)</p> <p>REASON (ENH) DATE (20198)</p> <p>COMMENT (</p> <table><tr><td colspan="2">+-----+-----+</td></tr><tr><td> </td><td>CA Vantage SRM and CA Vantage GMI Version 14.0</td></tr><tr><td colspan="2">+-----+-----+</td></tr><tr><td> SEQUENCE</td><td> After Apply</td></tr><tr><td colspan="2">+-----+-----+</td></tr><tr><td> PURPOSE</td><td> Integrate CA Vantage REST API server with ZOWE API ML.</td></tr><tr><td colspan="2">+-----+-----+</td></tr><tr><td> USERS</td><td> Users who wants to use CA Vantage REST API Server</td></tr><tr><td> AFFECTED</td><td> service within ZOWE API ML.</td></tr><tr><td> AFFECTED</td><td> Users who wants to use CA Vantage REST API Server without</td></tr><tr><td> AFFECTED</td><td> ZOWE API ML.</td></tr><tr><td colspan="2">+-----+-----+</td></tr><tr><td> KNOWLEDGE</td><td> -z/OS environment, including software installation</td></tr><tr><td> REQUIRED</td><td> -z/OS UNIX System Services</td></tr><tr><td> </td><td> -z/OS UNIX System Services Java environment configuration</td></tr><tr><td> </td><td> -SMP/E installation process</td></tr><tr><td> </td><td> -CA Common Services installation and configuration</td></tr><tr><td> </td><td> -ESM Microservice installation, deployment and</td></tr><tr><td> </td><td> configuration</td></tr><tr><td> </td><td> -CA Vantage installation and configuration</td></tr><tr><td> </td><td> -Certificate installation, transfer and configuration</td></tr><tr><td> </td><td> of the SAF key rings</td></tr><tr><td> </td><td> -Storing certificate in key ring and key ring management</td></tr><tr><td> </td><td> - ZOWE API ML installation and configuration</td></tr><tr><td colspan="2">+-----+-----+</td></tr><tr><td> ACCESS</td><td> Access to various system resources:</td></tr><tr><td> REQUIRED</td><td> - CA Common Services runtime and configuration libraries</td></tr><tr><td> </td><td> - System Authorization Facility</td></tr><tr><td> </td><td> - Unix System Services</td></tr><tr><td> </td><td> - CA Vantage runtime libraries and configuration datasets</td></tr><tr><td> </td><td> - ZOWE libraries</td></tr><tr><td colspan="2">+-----+-----+</td></tr></table>	+-----+-----+			CA Vantage SRM and CA Vantage GMI Version 14.0	+-----+-----+		SEQUENCE	After Apply	+-----+-----+		PURPOSE	Integrate CA Vantage REST API server with ZOWE API ML.	+-----+-----+		USERS	Users who wants to use CA Vantage REST API Server	AFFECTED	service within ZOWE API ML.	AFFECTED	Users who wants to use CA Vantage REST API Server without	AFFECTED	ZOWE API ML.	+-----+-----+		KNOWLEDGE	-z/OS environment, including software installation	REQUIRED	-z/OS UNIX System Services		-z/OS UNIX System Services Java environment configuration		-SMP/E installation process		-CA Common Services installation and configuration		-ESM Microservice installation, deployment and		configuration		-CA Vantage installation and configuration		-Certificate installation, transfer and configuration		of the SAF key rings		-Storing certificate in key ring and key ring management		- ZOWE API ML installation and configuration	+-----+-----+		ACCESS	Access to various system resources:	REQUIRED	- CA Common Services runtime and configuration libraries		- System Authorization Facility		- Unix System Services		- CA Vantage runtime libraries and configuration datasets		- ZOWE libraries	+-----+-----+	
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	<p>*****</p> <p>* STEPS TO PERFORM *</p> <p>*****</p> <p>This SYSMOD allows you to integrate your CA Vantage REST API (service) with ZOWE Application Programing Interface Mediation Layer (API ML). The API Mediation Layer provides a single point of access to mainframe REST APIs and offers enterprise cloud-like features such as high-availability, scalability, dynamic API discovery, and documentation.</p> <p>As a system administrator, you use the CA Vantage Representational State Transfer(REST) Application Programming Interface(API) to get data from CA Vantage objects without accessing standard CA Vantage UI(Windows Client, Web Client, W3270).</p> <p>With the CA Vantage REST API you can also issue CA Vantage operator commands. You can read, create or delete CA Vantage scripts in the script libraries. The REST API also lets you to view and modify CA Vantage system parameters(VKGPparms).</p> <p>Leveraging the CA Vantage REST API lets create your own workflows and integrate them into your own applications and interfaces. This feature is delivered as deactivated.</p> <p>For instructions how to configure CA Vantage to be integrated as a service in ZOWE API ML see the section "Configure the REST Server" of the CA Vantage r14.0 documentation.</p> <p>For installation instructions see section "Install the REST API Server".</p> <p>IMPORTANT:</p> <p>If you have configured the previous version of CA Vantage REST API server - SYSMOD S008472, then after applying this SYSMOD execute the instructions from HOLDDATA, ACTION.</p> <p>).</p> <p>LINK('..lib/VantageServer-RELEASE.jar')</p> <p>PARM(PATHMODE(0,7,5,5)) .</p> <p>MCS S013209 STARTS ON PAGE 0002</p> <p>MCS S013622 STARTS ON PAGE 0006</p> <p>MCS S013844 STARTS ON PAGE 0011</p> <p>MCS S013928 STARTS ON PAGE 0015</p>

CA Vantage Storage Resource Manager 14.0
CA RS 2008 Product/Component Listing

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Product Family	Product	Release
Storage	CA VANTAGE SRM AND CA VANTAGE GMI	14.00.00
The CA RS 2008 Product/Component Count for this release is 1		

CA RS Level	Service	FMID
CAR2008	S013928	CCTUE00
	S013844	CCTUE00
	S013622	CCTUE00
	S013209	CCTUE00
CAR2007	S013736	CCTUE00
	S013380	CCTUE00
	S013294	CCTUE00
	S013269	CCTUE00
	S013212	CCTUE00
CAR2006	S012731	CCTUE00
	S012592	CCTUE00
CAR2005	S012928	CCTUE00
	S012695	CCTUE00
	S012692	CCTUE00
	S012611	CCTUE00
	S012492	CCTUE00
	S011427	CCTUE00
CAR2004	S012440	CCTUE00
	S012092	CCTUE00
	S010873	CCTUE00
CAR2003	S011198	CCTUE00
CAR2002	S011730	CCTUE00
	S011670	CCTUE00
	S011503	CCTUE00
	S011327	CCTUE00
CAR1912	S010798	CCTUE00
	S010747	CCTUE00
	S009957	CCTUE00
	S009691	CCTUE00
CAR1911	S010499	CCTUE00
	S009744	CCTUE00
	S008705	CCTUE00
CAR1909	S009778	CCTUE00
	S009435	CCTUE00
	S009332	CCTUE00
	S009243	CCTUE00
	S009153	CCTUE00
	S008209	CCTUE00
CAR1908	S009295	CCTUE00
	S009283	CCTUE00
	S008949	CCTUE00
CAR1907	S008708	CCTUE00
	S008404	CCTUE00
CAR1906	S008472	CCTUE00
	S008389	CCTUE00
	S008213	CCTUE00
	S007908	CCTUE00

CA RS Level	Service	FMID
	S007903	CCTUE00
	S007752	CCTUE00
	S007633	CCTUE00
	S005631	CCTUE00
CAR1902	S006858	CCTUE00
	S006203	CCTUE00
CAR1901	S006758	CCTUE00
	S006433	CCTUE00
	S006079	CCTUE00
	S005955	CCTUE00
CAR1812	S006439	CCTUE00
	S006202	CCTUE00
	S006155	CCTUE00
	S005989	CCTUE00
CAR1811	S005406	CCTUE00
	S005313	CCTUE00
	S005185	CCTUE00
CAR1810	S005499	CCTUE00
	S005217	CCTUE00
	S004438	CCTUE00
CAR1809	S005060	CCTUE00
	S005029	CCTUE00
	S004770	CCTUE00
	S004633	CCTUE00
	S004310	CCTUE00
	S003862	CCTUE00
CAR1808	S004602	CCTUE00
	S004439	CCTUE00
	S004236	CCTUE00
	S004049	CCTUE00
	S003859	CCTUE00
CAR1807	S004124	CCTUE00
	S004038	CCTUE00
	S003923	CCTUE00
	S003710	CCTUE00
	S001683	CCTUE00
CAR1806	S003623	CCTUE00
	S001800	CCTUE00
	S001765	CCTUE00
	S001508	CCTUE00
	S001383	CCTUE00
	R099883	CCTUE00
	R099174	CCTUE00
CAR1805	S001503	CCTUE00
	S001478	CCTUE00
	S000950	CCTUE00
	S000868	CCTUE00

CA RS Level	Service	FMID
	S000655	CCTUE00
CAR1804	S000577	CCTUE00
	S000573	CCTUE00
	S000464	CCTUE00
	S000071	CCTUE00
	R099222	CCTUE00
	R099128	CCTUE00
	R097061	CCTUE00
CAR1802	R099708	CCTUE00
	R099407	CCTUE00
CAR1712	R098578	CCTUE00
CAR1711	R098387	CCTUE00
	R098309	CCTUE00
	R098197	CCTUE00
	R098113	CCTUE00
	R098037	CCTUE00
	R097610	CCTUE00
CAR1710	R098189	CCTUE00
	R097682	CCTUE00
	R097637	CCTUE00
CAR1709	R097572	CCTUE00
	R097384	CCTUE00
	R097383	CCTUE00
	R097229	CCTUE00
	R097212	CCTUE00
	R096735	CCTUE00
	R095510	CCTUE00
	R094392	CCTUE00
CAR1708	R097063	CCTUE00
	R096929	CCTUE00
	R095823	CCTUE00
	R095258	CCTUE00
	R093614	CCTUE00
CAR1706	R096064	CCTUE00
	R095843	CCTUE00
	R095842	CCTUE00
	R095373	CCTUE00
CAR1705	R095664	CCTUE00
	R095390	CCTUE00
	R095228	CCTUE00
	R094643	CCTUE00
	R093383	CCTUE00
CAR1703	R093652	CCTUE00
CAR1702	R093418	CCTUE00
	R093417	CCTUE00
	R093349	CCTUE00

CA RS Level	Service	FMID
	R093344	CCTUE00
	R093221	CCTUE00