

SYSVIEW Performance Management 16.0
CA RS 2306 Service List

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Service	Description	Type
LU09752	GSVX390I GDBB BUFFFULL ISSUING IMSSPOC COMMAND	PTF
LU09975	JVMJNCK024E FATAL JVM JNI ERROR AND JVM\$013E ZCN 0 APIS	*HIP/PRP*
LU10088	GSV2325E PROFILE SYSTEM NOT DEFINED ISSUING LISTDIR	PTF
LU10111	E-CSA OVERLAY RELATED TO MQ CHANNEL COLLECTION	**HIPER**
LU10145	INVALID X'15' CHARACTER WHEN MLWTOENABLED IS SET TO NO	PTF
LU10156	SYSVUSER SERVER TASK LOOPS AFTER INVALID SRA PARAMETER	*HIP/PRP*
LU10234	SECURITY UPDATES NOT PICKED UP FOR SERVER SUBTASKS	PTF
LU10288	SYSVAPPS MAINTENANCE	PTF
The CA RS 2306 service count for this release is 8		

SYSVIEW Performance Management
CA RS 2306 Service List for CNM4G00

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FMID	Service	Description	Type
CNM4G00	LU09752	GSVX390I GDBB BUFFFULL ISSUING IMSSPOC COMMAND	PTF
	LU09975	JVMJNCK024E FATAL JVM JNI ERROR AND JVM\$013E ZCN 0 APIS	*HIP/PRP*
	LU10088	GSV2325E PROFILE SYSTEM NOT DEFINED ISSUING LISTDIR	PTF
	LU10111	E-CSA OVERLAY RELATED TO MQ CHANNEL COLLECTION	**HIPER**
	LU10145	INVALID X'15' CHARACTER WHEN MLWTOENABLED IS SET TO NO	PTF
	LU10156	SYSVUSER SERVER TASK LOOPS AFTER INVALID SRA PARAMETER	*HIP/PRP*
	LU10234	SECURITY UPDATES NOT PICKED UP FOR SERVER SUBTASKS	PTF
	LU10288	SYSVAPPS MAINTENANCE	PTF
The CA RS 2306 service count for this FMID is 8			

Service	Details
LU09752	LU09752 M.C.S. ENTRIES = ++PTF (LU09752) REWORK(2023124) GSVX390I GDBB BUFFFULL ISSUING IMSSPOC COMMAND PROBLEM DESCRIPTION: When issuing an IMS command, for example, IMSSPOC, the display data is not returned because the output buffer size that is required to accommodate the volume of data requested exceeds the maximum buffer size allowed. In the customer reported case, the IMSSPOC command was issued using a GROUP of type IMSSPOC, resulting in data being requested from multiple IMS subsystems. SYMPTOMS: There are no visible error messages returned. Only the following message appears in the user's LISTLOG: GSVX390I GDBB BuffFull. Total=01957800 Min=00032AF0 Max=01000000 Entries=25599 IMPACT: No data returned on the display. CIRCUMVENTION: Limit the display data to a smaller number of IMS subsystems. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Version 16.0 SYSVIEW Performance Management Version 17.0 Related Problem: SYSVW 20135 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R00371-NM4160 DESC(GSVX390I GDBB BUFFFULL ISSUING IMSSPOC COMMAND). ++VER (Z038) FMID (CNM4G00) PRE (LU00395 LU00527 LU02191 LU03135 LU05601 S010316 S010588 S011865 S014761 S016108) SUP (LT09752)

Service	Details
LU09975	LU09975 M.C.S. ENTRIES = ++PTF (LU09975) REWORK(2023121) JVMJNCK024E FATAL JVM JNI ERROR AND JVM\$013E ZCN 0 APIS PROBLEM DESCRIPTION: There are 2 problems resolved by this fix. 1. When the JVM option -Xcheck:jni:verbose is enabled in a JVM that is monitored by the SYSVIEW JVM agent, the JVM agent might cause the monitored JVM to shut down erroneously. When the option is enabled, using the JVMHEAPS, JVMMGR, or JVMGC command in SYSVIEW to view information for the monitored JVM causes the shut down. Also, if the monitored JVM is a z/OS Connect server and the MonZcn option is passed to the SYSVIEW JVM agent, the JVM agent can fail during initialization and cause the z/OS Connect server to shut down. 2. When the SYSVIEW JVM agent is configured to monitor a z/OS Connect server that does not have any APIs defined and the MonZcnReq option is passed as enabled to the agent, the ZCNLIST and ZCNAPIS commands will display an error message. SYMPTOMS: 1. When the JVMHEAPS, JVMMGR, or JVMGC command is used to display information for a monitored JVM with the -Xcheck:jni:verbose option enabled, or the monitored JVM is a z/OS Connect server with the -Xcheck:jni:verbose option enabled, the JVM shuts down and the following message appears in the JVM's job log: JVMJNCK024E JNI error detected. Aborting. 2. The following message appears on the ZCNLIST and ZCNAPIS displays: JVM\$013E return code = 8 reason code = 12 IMPACT: 1. SYSVIEW JVM agent causes monitored JVM to shut down erroneously. 2. None. CIRCUMVENTION: 1. Disable the -Xcheck:jni:verbose option, or, add the nonfatal suboption. The option string would look like -Xcheck:jni:verbose,nonfatal and causes JVM errors to be thrown but they will not cause the JVM to shut down. 2. Define at least one API in the z/OS Connect server. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Version 16.0 SYSVIEW Performance Management Version 17.0 Related Problem: SYSVW 19923 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R00372-NM4160 DESC(JVMJNCK024E FATAL JVM JNI ERROR AND JVM\$013E ZCN 0 APIS). ++VER (Z038) FMID (CNM4G00) PRE (LU00951 LU01855 LU02613 LU03135 LU04349 LU07601 S009589 S010269 S011632 S012347 S013187 S015790 S016018 S016108) SUP (LT03277 LT05088 LT06796 LT09975 LU03277 LU05088 LU06796 RC08481) ++HOLD (LU09975) SYSTEM FMID(CNM4G00) REASON (RESTART) DATE (23121) COMMENT (+-----+ SYSVIEW Performance Management Version 16.0

Service	Details
	<pre> +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE To implement the fix +-----+-----+ USERS All users of SYSVIEW JVM monitoring AFFECTED +-----+-----+ KNOWLEDGE Product Administration REQUIRED +-----+-----+ ACCESS Product libraries REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** If you do not use the JVM component then this HOLD can be ignored. 1. Apply the PTF. 2. Stop the JVMs configured to run the agent. Note that some address spaces such as CICS can have multiple JVMs. All JVMs in the address space must be stopped at the same time. 3. Stop the SYSVIEW STCs, GSSA, and any user sessions. 4. Deploy the agent run-time from the SMP/E managed directory "../cnm4g00/CNM4JVMD/" (DDDEF CNM4JVMD) to the run-time directory "../cnm4g00/runtime/". The deploy can be performed by running the install job sysviewhlq.SAMPJCL(INST0006). 5. Start the SYSVIEW STCs, GSSA, and any user sessions. 6. Start the JVMs configured to run the agent. Notes: 1. It is not required to immediately stop and start your JVMs to pick up the updated JVM data collector agent. A back-level agent will continue to communicate with a higher level SYSVIEW STC. It is recommended to keep the agent in sync with the SYSVIEW STC so the latest features and bug fixes are active in the agent. 2. The following SYSVIEW commands can be used to identify JVMs configured to run an agent that are currently running on a system: JVMARGS SYSTEM ; SELECT ARGUMENT CN -AGENTPATH Ensure all run-time directories are updated with the new binaries.). LINK('../libgsvoagt1.so') PARM(PATHMODE(0,7,7,5)). LINK('../libgsvoagt4.so') PARM(PATHMODE(0,7,7,5)). </pre>

Service	Details		
LU10088	LU10088 M.C.S. ENTRIES = ++PTF (LU10088) REWORK(2023128) GSV2325E PROFILE SYSTEM NOT DEFINED ISSUING LISTDIR PROBLEM DESCRIPTION: An error message is received when the LISTDIR command is issued with any of the directory type parameters, and the Dsn-System-PROFILE system configuration option is set to NONE. LISTDIR tries to determine if it was issued for the SYSVIEW profile data set, which allows the CHANGE, DPROFILE, and SWITCH line commands to work. In SYSVIEW 16.0, profile processing changed from using Dsn-System-PROFILE (PROFILE) to using Dsn-System-PROFLIB (PROFLIB). The new PROFLIB PDSE member names are not the actual names of the profiles as they were for PROFILE, so the CHANGE, DPROFILE, and SWITCH line commands will no longer work for PROFLIB. Therefore, these line commands will be deleted. SYMPTOMS: Issuing the LISTDIR command for any data set name other than what is specified on system configuration option Dsn-System-PROFILE causes the following error message to be issued: GSV2325E LibType PROFILE SYSTEM is not defined IMPACT: The error message is issued but the LISTDIR command still functions. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Version 16.0 SYSVIEW Performance Management Version 17.0 Related Problem: SYSVW 20399 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R00373-NM4160 DESC(GSV2325E PROFILE SYSTEM NOT DEFINED ISSUING LISTDIR). ++VER (Z038) FMID (CNM4G00) PRE (LU00548 LU00630 LU02191 LU02534 LU02875 LU03135 LU03153 LU03781 S010497 S010680 S014411 S014533) SUP (LT10088) ++HOLD (LU10088) SYSTEM FMID(CNM4G00) REASON (DOC) DATE (23128) COMMENT (+-----+ <table border="1"> <tr> <td align="center">SYSVIEW Performance Management</td> <td align="center">Version 16.0</td> </tr> </table> +-----+ ***** * PUBLICATION * ***** The following line commands are being removed from the LISTDIR command. They were only applicable when using LISTDIR against the old SYSVIEW PROFILE data set specified on the Dsn-System-PROFILE system configuration option. They will not work with the newer PROFLIB data set specified on the Dsn-System-PROFLIB system configuration option. CHANGE DPROFILE	SYSVIEW Performance Management	Version 16.0
SYSVIEW Performance Management	Version 16.0		

Service	Details
	SWITCH) .

Service	Details
LU10111	LU10111 M.C.S. ENTRIES = ++PTF (LU10111) REWORK(2023144) E-CSA OVERLAY RELATED TO MQ CHANNEL COLLECTION PROBLEM DESCRIPTION: Possible overlay in CSA during SYSVIEW MQ Data collection can result in application or system outage. PROBLEM DESCRIPTION: An overlay in E-CSA might occur during SYSVIEW MQ channel collection, which can result in an application or system outage. Data might be written beyond the end of a common storage buffer used to gather MQ channel information. In SYSVIEW 16.0, this behavior can occur during data collection performed by the MQSDATA data collection subtask, or when issuing the MQCHAN or MQCHSTAT command. In SYSVIEW 17.0 this behavior can occur when issuing the MQCHAN or MQCHSTAT command. SYMPTOMS: Overlay of Common Storage area shows one or more blocks beginning with an eyecatcher of 'QSRSE' and containing MQ channel names. IMPACT: Unpredictable results. Possible application or system outage due to the overlay. CIRCUMVENTION: In SYSVIEW 17.0, temporarily disable the MQCHAN and MQCHSTAT commands using security or the CMDATTR parmlib member. In SYSVIEW 16.0, in addition to disabling those two commands, also disable the MQSDATA-CHANNELS data collection function using the DIS line command on the SCHEDULE command. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Version 16.0 SYSVIEW Performance Management Version 17.0 Related Problem: SYSVW 20415 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R00374-NM4160 DESC(E-CSA OVERLAY RELATED TO MQ CHANNEL COLLECTION). ++VER (Z038) FMID (CNM4G00) PRE (LU03135 S009844 S013116 S015546) SUP (LT10111)

Service	Details
LU10145	LU10145 M.C.S. ENTRIES = ++PTF (LU10145) REWORK(2023132) INVALID X'15' CHARACTER WHEN MLWTOENABLED IS SET TO NO PROBLEM DESCRIPTION: When the MlWtoEnabled option is set to NO in the OPTIONS parmlib member, messages written to SYSLOG might contain unprintable character x'15'. The x'15' represents a new line request. When a single line WTO is issued, the new line character should be translated to a space. However, it is not translated for all messages. SYMPTOMS: Possible no match when attempting to intercept SYSVIEW messages with automation. In the reported case MVS threshold messages contained the erroneous x'15' character, however CICS threshold messages did not. IMPACT: Unable to detect certain messages with automated operations. CIRCUMVENTION: Set the MlWtoEnabled option to YES to produce multi-line messages. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Version 16.0 SYSVIEW Performance Management Version 17.0 Related Problem: SYSVW 20383 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R00375-NM4160 DESC(INVALID X'15' CHARACTER WHEN MLWTOENABLED IS SET TO NO). ++VER (Z038) FMID (CNM4G00) PRE (LU03135 S009589 S015206) SUP (LT10145)

Service	Details				
LU10156	LU10156 M.C.S. ENTRIES = ++PTF (LU10156) REWORK(2023139) SYSVUSER SERVER TASK LOOPS AFTER INVALID SRA PARAMETER PROBLEM DESCRIPTION: When an invalid parameter keyword is passed to one of the following commands when called via the SYSVIEW REST API, the server subtask in the SYSVUSER address space that processed the request might enter a loop and become unresponsive. - CSIPROD (SYSVIEW 17.0) - KEYRINGS (SYSVIEW 17.0) - MODIDS (SYSVIEW 16.0 & 17.0) - PRODLIFE (SYSVIEW 17.0) - PTFS (SYSVIEW 16.0 & 17.0) See associated command help in SYSVIEW for each of the listed commands for a list of valid parameters that can be used. By default, the SYSVUSER address space starts five server tasks that can process REST API requests. If all of these tasks become unresponsive, the SYSVIEW REST API fails to respond to requests. The problem does not occur when these commands are entered via any interface other than the REST API. For example, ISPF, TSO, or VTAM. SYMPTOMS: Responses to SYSVIEW REST API requests are slow or timeout when issuing commands via the SYSVIEW REST API. The Listlog line command on the SRVRSTAT command shows the session log for the server tasks that process REST command requests. When viewing the log for the task that processed the invalid command request, the ActvCmd field on the LISTLOG command contains the primary command name that was passed an invalid parameter keyword and the following messages display: GSVX071E <keyword> is not a valid keyword for the <command> command GSVX054E*Invalid value for keyword After these messages, the REFRESH command is driven in a loop, indicated by the LISTLOG command displaying the values ENTERKEY in the Source field and REFRESH in the Data field. After each REFRESH, messages similar to the following appear in the server task's LISTLOG: GSVX903I SNDS\$\$ END GSVX903I GETR\$\$ END IMPACT: Slowdown in SYSVIEW REST API responses. Unable to use the SYSVIEW REST API if all server tasks in the SYSVUSER address space become unresponsive. High CPU usage may also be observed in the SYSVUSER address space. CIRCUMVENTION: To prevent the error, ensure that all impacted commands contain valid parameter keywords, when issued via the SYSVIEW REST API. If the error does occur, restart the SYSVUSER address space and the REST API becomes responsive. PRODUCT(S) AFFECTED: <table border="0"> <tr> <td>SYSVIEW Performance Management</td> <td align="right">Version 16.0</td> </tr> <tr> <td>SYSVIEW Performance Management</td> <td align="right">Version 17.0</td> </tr> </table> Related Problem: SYSVW 20439 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R00376-NM4160	SYSVIEW Performance Management	Version 16.0	SYSVIEW Performance Management	Version 17.0
SYSVIEW Performance Management	Version 16.0				
SYSVIEW Performance Management	Version 17.0				

Service	Details
	DESC (SYSVUSER SERVER TASK LOOPS AFTER INVALID SRA PARAMETER) . ++VER (Z038) FMID (CNM4G00) PRE (LU02191 LU03135 LU03153 LU03781 LU05097 S009059 S009589 S010316 S011028 S011875 S012125 S014533) SUP (LT10156 SC08481)

Service	Details
LU10234	LU10234 M.C.S. ENTRIES = ++PTF (LU10234) REWORK(2023142) SECURITY UPDATES NOT PICKED UP FOR SERVER SUBTASKS PROBLEM DESCRIPTION: The SYSVUSER server subtasks that process REST API and Event Capture events had no mechanism to reset the security context used to process these requests. To address this, a MODIFY command was created for the SERVSEC task that forces a user id security context switch when the next request is processed, allowing any security changes to be picked up. To force a reset of the user id, issue the following command: MODIFY SYSVUSER,MODIFY SERVSEC,RESETUSERID <or> From the ASADMIN display, enter MODIFY in the line command field for the SERVSEC row, and fill the Parms field with RESETUSERID. The sample CNM4BPRM(SVWXSECC) parmlib member was updated to provide an example command to reset the user id automatically whenever an internal security update is detected. If external security is in use, issue the MODIFY command manually. SYMPTOMS: The user's access appeared to be unchanged after making an update to the internal or external security definitions. IMPACT: Unable to facilitate a security change. CIRCUMVENTION: From the ASADMIN display, STOP, then START the SERVSEC (Server Controller) task under SYSVUSER to force all servers to be restarted. PRODUCT(S) AFFECTED: SYSVIEW Performance ManagementVersion 16.0 SYSVIEW Performance ManagementVersion 17.0 Related Problem: SYSVW 20452 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R00377-NM4160 DESC(SECURITY UPDATES NOT PICKED UP FOR SERVER SUBTASKS). ++VER (Z038) FMID (CNM4G00) PRE (LU00517 LU00951 LU02191 LU03135 LU03153 LU03805 LU04570 LU05601 S009059 S009589 S010316 S011028 S011632 S011875 S012125 S013701 S014533 S015206 S015210 S016018 S016108) SUP (LT10234 S011683 ST11683) ++HOLD (LU10234) SYSTEM FMID(CNM4G00) REASON (DOC) DATE (23142) COMMENT (+-----+ SYSVIEW Performance ManagementVersion 16.0 +-----+ ***** *PUBLICATION* ***** 'Communicate with the SYSVUSER Started Subtask' in the Administering section has been updated to document the MODIFY RESETUSERID command. 'CNM4BPRM - PARMLIB Members' in the Administering section has been

Service	Details
	updated for General Member SVWXSECC to provide a sample MODIFY RESETUSERID command.).

Service	Details	
LU10288	LU10288 M.C.S. ENTRIES = ++PTF (LU10288) REWORK(2023150)	
	SYSVAPPS MAINTENANCE	
	PROBLEM DESCRIPTION:	
	This PTF updates the SYSVIEW REST Server (SYSVAPPS) to the latest maintenance. The following updates are included in this PTF:	
	1. When using z/OSMF JWTs to authenticate, it is possible that the truststore defined in the application.yml config file is not used. Instead, the truststore located at \$JAVA_HOME/security/cacerts may be used. This can prevent users from being able to make requests.	
	2. Update all third-party software dependencies to the latest versions. The update includes all packages which have had vulnerabilities reported. Note that the SYSVIEW REST server does NOT meet the requirements for any currently reported CVE, and is therefore NOT vulnerable. Specifically, the following vulnerabilities are mitigated:	
	Spring Boot: 2023-20873	
	Spring Security: 2022-20862	
	Spring Framework: 2022-20863,2022-20861,2022-20860	
	Jettison - Json Stax implementation: 2023-1436	
	This is a proactive step for ease of mind, as threats might still be reported when running a scan on the SYSVAPPS JAR file.	
	SYMPTOMS:	
	1. Incorrect truststore is used, leading to authentication issues.	
	2. When running vulnerability scans against the SYSVAPPS JAR file, false alarms might trigger.	
	IMPACT:	
	1. Unable to use z/OSMF JWTs to authenticate.	
	2. Unnecessary concern about whether the SYSVAPPS REST server is secure.	
	CIRCUMVENTION:	
	None.	
	PRODUCT(S) AFFECTED:	
	SYSVIEW Performance Management	Version 16.0
	SYSVIEW Performance Management	Version 17.0
	Related Problem:	
	SYSVW 20545	
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	R00378-NM4160	
	DESC(SYSVAPPS MAINTENANCE).	
	++VER (Z038)	
	FMID (CNM4G00)	
	PRE (LU00517 LU02427 LU03135 LU05981 LU07010 LU07918 LU09607	
	SO14533)	
	SUP (AL07918 LT10288)	
	++HOLD (LU10288) SYSTEM FMID(CNM4G00)	
	REASON (RESTART) DATE (23150)	
	COMMENT (	
	+-----+-----+	
	SYSVIEW Performance Management	Version 16.0
	+-----+-----+	
	SEQUENCE After Apply	
	+-----+-----+	
	PURPOSE To implement the fix	
	+-----+-----+	

Service	Details		
	USERS	All users of the SYSVIEW REST API	
	AFFECTED		
	+-----+		
	KNOWLEDGE	Product Administration	
	REQUIRED		
	+-----+		
	ACCESS	Product libraries	
	REQUIRED		
	+-----+		

	* STEPS TO PERFORM *		

	After applying this PTF, the Application Server run-time directories will need to be deployed to your site's run-time environment. Follow these steps to implement the change:		
	1. Stop the SYSVAPPS task (P SYSVAPPS).		
	2. Copy the SMP/E managed directories to the run-time directories by running the smpehlq.CNM4BSAM(GSVUAPSM) sample JCL. You will need to set PATHPFX to the USS directory path prefix used for installation (see comments in the JCL).		
	3. Start the SYSVAPPS task (S SYSVAPPS).		
	).		
	LINK('../libbcm-apisdk-attls.so') PARM(PATHMODE(0,7,7,5)).		
	LINK('../SYSVIEW-app-server.jar') PARM(PATHMODE(0,7,7,5)).		
	LINK('../libbcm-apisdk-security.so') PARM(PATHMODE(0,7,7,5)).		
MCS	LU09752	STARTS ON PAGE 0002	
MCS	LU09975	STARTS ON PAGE 0002	
MCS	LU10088	STARTS ON PAGE 0005	
MCS	LU10111	STARTS ON PAGE 0006	
MCS	LU10145	STARTS ON PAGE 0007	
MCS	LU10156	STARTS ON PAGE 0008	
MCS	LU10234	STARTS ON PAGE 0010	
MCS	LU10288	STARTS ON PAGE 0011	

Product Family	Product	Release
Performance and Storage	CA SYSVIEW PERFORMANCE MANAGEMENT	16.00.00
The CA RS 2306 Product/Component Count for this release is 1		

CA RS Level	Service	FMID
CAR2306	LU10288	CNM4G00
	LU10234	CNM4G00
	LU10156	CNM4G00
	LU10145	CNM4G00
	LU10111	CNM4G00
	LU10088	CNM4G00
	LU09975	CNM4G00
	LU09752	CNM4G00
CAR2305	LU09733	CNM4G00
	LU09607	CNM4G00
CAR2304	LU09707	CNM4G00
	LU09473	CNM4G00
	LU09316	CNM4G00
	LU09028	CNM4G00
CAR2303	LU09303	CNM4G00
	LU09047	CNM4G00
	LU08992	CNM4G00
	LU08971	CNM4G00
	LU08559	CNM4G00
CAR2302	LU08958	CNM4G00
	LU08895	CNM4G00
	LU08588	CNM4G00
CAR2301	LU08577	CNM4G00
	LU08361	CNM4G00
	LU08110	CNM4G00
	LU08068	CNM4G00
CAR2212	LU08287	CNM4G00
	LU07918	CNM4G00
	LU07887	CNM4G00
	LU07794	CNM4G00
	LU07761	CNM4G00
	LU07500	CNM4G00
	LU06776	CNM4G00
CAR2211	LU07715	CNM4G00
	LU07692	CNM4G00
	LU07663	CNM4G00
	LU07601	CNM4G00
	LU07580	CNM4G00
	LU07549	CNM4G00
	LU07527	CNM4G00
	LU07279	CNM4G00
	LU07152	CNM4G00
	LU07113	CNM4G00
	LU06796	CNM4G00
CAR2210	LU07496	CNM4G00
	LU07411	CNM4G00
	LU07363	CNM4G00

CA RS Level	Service	FMID
	LU07355	CNM4G00
	LU06759	CNM4G00
	LU06516	CNM4G00
	LU05088	CNM4G00
CAR2209	LU07173	CNM4G00
	LU07041	CNM4G00
	LU07010	CNM4G00
	LU06972	CNM4G00
	LU06724	CNM4G00
CAR2208	LU06598	CNM4G00
	LU06585	CNM4G00
	LU06479	CNM4G00
	LU06322	CNM4G00
	LU06234	CNM4G00
	LU05773	CNM4G00
	LU05601	CNM4G00
CAR2207	LU06443	CNM4G00
	LU06336	CNM4G00
	LU06319	CNM4G00
	LU06228	CNM4G00
	LU06165	CNM4G00
	LU06155	CNM4G00
	LU06145	CNM4G00
	LU06119	CNM4G00
	LU05981	CNM4G00
	LU05953	CNM4G00
	LU05776	CNM4G00
CAR2206	LU05980	CNM4G00
	LU05959	CNM4G00
	LU05819	CNM4G00
	LU05813	CNM4G00
	LU05777	CNM4G00
	LU05753	CNM4G00
	LU05574	CNM4G00
CAR2205	LU05614	CNM4G00
	LU05548	CNM4G00
	LU05311	CNM4G00
CAR2204	LU05263	CNM4G00
	LU05154	CNM4G00
	LU05136	CNM4G00
	LU05123	CNM4G00
	LU05097	CNM4G00
	LU05067	CNM4G00
	LU05026	CNM4G00
	LU05001	CNM4G00
CAR2203	LU04847	CNM4G00
	LU04796	CNM4G00

CA RS Level	Service	FMID
	LU04778	CNM4G00
	LU04722	CNM4G00
	LU04622	CNM4G00
	LU04570	CNM4G00
	LU04461	CNM4G00
CAR2202	LU04404	CNM4G00
	LU04364	CNM4G00
	LU04349	CNM4G00
	LU04342	CNM4G00
	LU04328	CNM4G00
	LU04281	CNM4G00
	LU04206	CNM4G00
	LU04177	CNM4G00
	LU04169	CNM4G00
	LU04147	CNM4G00
	LU04131	CNM4G00
	LU02573	CNM4G00
	LU02535	CNM4G00
CAR2201	LU03892	CNM4G00
	LU03874	CNM4G00
	LU03842	CNM4G00
	LU03805	CNM4G00
	LU03781	CNM4G00
CAR2112	LU03689	CNM4G00
	LU03616	CNM4G00
	LU03533	CNM4G00
	LU03529	CNM4G00
	LU03526	CNM4G00
	LU03480	CNM4G00
	LU03469	CNM4G00
	LU03433	CNM4G00
	LU03359	CNM4G00
	LU03277	CNM4G00
	LU03115	CNM4G00
	LU02890	CNM4G00
	LU02544	CNM4G00
CAR2111	LU03284	CNM4G00
	LU03153	CNM4G00
	LU03135	CNM4G00
	LU03067	CNM4G00
	LU03050	CNM4G00
	LU03030	CNM4G00
	LU03000	CNM4G00
	LU02966	CNM4G00
	LU02963	CNM4G00
	LU02954	CNM4G00
	LU02613	CNM4G00

CA RS Level	Service	FMID
CAR2110	LU02875	CNM4G00
	LU02760	CNM4G00
	LU02748	CNM4G00
	LU02664	CNM4G00
	LU02620	CNM4G00
	LU02568	CNM4G00
	LU02548	CNM4G00
	LU02427	CNM4G00
	LU02298	CNM4G00
CAR2109	LU02534	CNM4G00
	LU02441	CNM4G00
	LU02367	CNM4G00
	LU02316	CNM4G00
	LU02262	CNM4G00
	LU02244	CNM4G00
CAR2108	LU02191	CNM4G00
	LU02125	CNM4G00
	LU02032	CNM4G00
	LU02016	CNM4G00
	LU02000	CNM4G00
	LU01709	CNM4G00
CAR2107	LU01896	CNM4G00
	LU01855	CNM4G00
	LU01826	CNM4G00
	LU01773	CNM4G00
	LU01687	CNM4G00
	LU01568	CNM4G00
	LU01522	CNM4G00
	LU01511	CNM4G00
	LU01501	CNM4G00
	LU01276	CNM4G00
CAR2106	LU01394	CNM4G00
	LU01368	CNM4G00
	LU01353	CNM4G00
	LU01337	CNM4G00
	LU01138	CNM4G00
	LU01095	CNM4G00
CAR2105	LU01112	CNM4G00
	LU01098	CNM4G00
	LU01071	CNM4G00
	LU01064	CNM4G00
	LU01050	CNM4G00
	LU01005	CNM4G00
	LU00958	CNM4G00
	LU00951	CNM4G00
	LU00933	CNM4G00
	LU00919	CNM4G00

CA RS Level	Service	FMID
	LU00894	CNM4G00
	LU00849	CNM4G00
	LU00838	CNM4G00
	LU00806	CNM4G00
CAR2104	LU00763	CNM4G00
	LU00742	CNM4G00
	LU00704	CNM4G00
	LU00630	CNM4G00
	LU00595	CNM4G00
	LU00552	CNM4G00
	LU00548	CNM4G00
	LU00527	CNM4G00
	LU00517	CNM4G00
	LU00417	CNM4G00
	LU00409	CNM4G00
	LU00395	CNM4G00
CAR2103	S016310	CNM4G00
	LU00279	CNM4G00
CAR2102	S016292	CNM4G00
	S016215	CNM4G00
	S016213	CNM4G00
	S016162	CNM4G00
	S016108	CNM4G00
	S016069	CNM4G00
	S016035	CNM4G00
	S016034	CNM4G00
	S014945	CNM4G00
CAR2101	S016018	CNM4G00
	S015790	CNM4G00
	S013275	CNM4G00
CAR2012	S015783	CNM4G00
	S015746	CNM4G00
	S015546	CNM4G00
	S015518	CNM4G00
	S015433	CNM4G00
	S015374	CNM4G00
CAR2011	S015474	CNM4G00
	S015325	CNM4G00
	S015274	CNM4G00
	S015212	CNM4G00
	S015210	CNM4G00
	S015206	CNM4G00
	S015081	CNM4G00
	S015053	CNM4G00
	S014964	CNM4G00
CAR2010	S014985	CNM4G00
	S014921	CNM4G00

CA RS Level	Service	FMID
	S014894	CNM4G00
	S014768	CNM4G00
	S014761	CNM4G00
	S014746	CNM4G00
	S014740	CNM4G00
	S014696	CNM4G00
CAR2009	S014661	CNM4G00
	S014653	CNM4G00
	S014533	CNM4G00
	S014487	CNM4G00
	S014442	CNM4G00
	S014411	CNM4G00
	S014363	CNM4G00
	S014361	CNM4G00
	S014259	CNM4G00
	S013364	CNM4G00
	S013186	CNM4G00
CAR2008	S014130	CNM4G00
	S014092	CNM4G00
	S014004	CNM4G00
	S013996	CNM4G00
	S013989	CNM4G00
	S013984	CNM4G00
	S013927	CNM4G00
	S013792	CNM4G00
	S013701	CNM4G00
	S013485	CNM4G00
	S013350	CNM4G00
	S013268	CNM4G00
CAR2007	S013782	CNM4G00
	S013779	CNM4G00
	S013751	CNM4G00
	S013612	CNM4G00
	S013538	CNM4G00
	S013529	CNM4G00
	S013408	CNM4G00
	S013188	CNM4G00
CAR2006	S013276	CNM4G00
	S013240	CNM4G00
	S013228	CNM4G00
	S013187	CNM4G00
	S013116	CNM4G00
	S013089	CNM4G00
	S013072	CNM4G00
	S013033	CNM4G00
CAR2005	S012880	CNM4G00
	S012816	CNM4G00

CA RS Level	Service	FMID
	S012773	CNM4G00
	S012721	CNM4G00
	S012629	CNM4G00
	S012625	CNM4G00
	S012580	CNM4G00
	S012330	CNM4G00
CAR2004	S012516	CNM4G00
	S012474	CNM4G00
	S012454	CNM4G00
	S012406	CNM4G00
	S012401	CNM4G00
	S012381	CNM4G00
	S012354	CNM4G00
	S012347	CNM4G00
	S012257	CNM4G00
	S012200	CNM4G00
	S012163	CNM4G00
CAR2003	S012125	CNM4G00
	S012051	CNM4G00
	S012050	CNM4G00
	S011959	CNM4G00
	S011955	CNM4G00
	S011898	CNM4G00
	S011891	CNM4G00
	S011875	CNM4G00
	S011865	CNM4G00
	S011762	CNM4G00
	S010411	CNM4G00
CAR2002	S011830	CNM4G00
	S011821	CNM4G00
	S011798	CNM4G00
	S011683	CNM4G00
	S011642	CNM4G00
	S011632	CNM4G00
	S011553	CNM4G00
	S011361	CNM4G00
CAR2001	S011122	CNM4G00
	S011028	CNM4G00
CAR1912	S010853	CNM4G00
	S010849	CNM4G00
	S010710	CNM4G00
	S010680	CNM4G00
	S010649	CNM4G00
	S010588	CNM4G00
	S010541	CNM4G00
CAR1911	S010537	CNM4G00
	S010497	CNM4G00

CA RS Level	Service	FMID
	S010493	CNM4G00
	S010484	CNM4G00
	S010421	CNM4G00
	S010382	CNM4G00
	S010332	CNM4G00
	S010326	CNM4G00
	S010316	CNM4G00
	S010269	CNM4G00
	S010214	CNM4G00
	S010209	CNM4G00
CAR1910	S010206	CNM4G00
	S010197	CNM4G00
	S010143	CNM4G00
	S010098	CNM4G00
	S009844	CNM4G00
	S009632	CNM4G00
CAR1909	S009772	CNM4G00
	S009681	CNM4G00
	S009650	CNM4G00
	S009607	CNM4G00
	S009589	CNM4G00
	S009537	CNM4G00
	S008894	CNM4G00
CAR1908	S009287	CNM4G00
	S009281	CNM4G00
	S009059	CNM4G00
	S009013	CNM4G00
	S008793	CNM4G00
CAR1907	S008895	CNM4G00
	S008743	CNM4G00
	S008740	CNM4G00
	S008698	CNM4G00
	S008681	CNM4G00
	S008674	CNM4G00
	S008553	CNM4G00
	S008544	CNM4G00
	S008502	CNM4G00
	S008485	CNM4G00
	S008459	CNM4G00
	S008228	CNM4G00