CA SYSVIEW Performance Management 16.0
CA RS 2006 Service List

Service	Description	Type
SO13033	ABEND S113-44 AT STARTUP WHEN LOADLIB ON EAV	PTF
SO13072	E-CSA OVERLAY AFTER DYNAMIC CPU ADD	*HIP/PRP*
SO13089	PLOG001W ISSUING PLOTLOG PLOT LINE COMMAND	** PRP **
SO13116	GSVX176E S0C4 ISSUING COMMANDS ON MQ 9.1.5	PTF
SO13187	JVM AGENT FAILS TO START FOR JVM VERSION 1.7	** PRP **
SO13228	ABEND S0C1 GSVCUTIL INST0010 W/SO12816	** PRP **
SO13240	COMPATIBILITY SUPPORT FOR IMS 15.2.0	PTF
SO13276	ABEND S0C4 DURING IMS REGION SHUTDOWN	PTF
The CA RS 2006 service count for this release is 8		

FMID	Service	Description	Type
CNM4G00	SO13033	ABEND S113-44 AT STARTUP WHEN LOADLIB ON EAV	PTF
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	SO13089	PLOG001W ISSUING PLOTLOG PLOT LINE COMMAND	** PRP **
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	SO13187	JVM AGENT FAILS TO START FOR JVM VERSION 1.7	** PRP **
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Service	Details
SO13033	SO13033 M.C.S. ENTRIES = ++PTF (SO13033) ABEND S113-44 AT STARTUP WHEN LOADLIB ON EAV PROBLEM DESCRIPTION: Abend S113-44 occurs during SYSVIEW Main Services address space initializatin when the SYSVIEW loadlib is allocated in the Extended Addressible Space (EAS) of an Extended Address Volume (EAV), beyond cylinder 65,520. SYMPTOMS: The following abend occurs near the beginning of SYSVIEW main address space initialization: IEC142I 113-44,IFG0194D,SYSVIEW,SYSVIEW,SYS00001,dev#,ser#, SYSVIEW.CNM4BLOD ERROR DESCRIPTION: IEC142I An attempt was made to open an EAS eligible data set on a volume with more than 65,520 cylinders but the DCBE flag, DCBEEADSCBOK, indicating that the caller understands extended attribute (Format 8/9) DSCBs was not set. END ERROR DESCRIPTION: IEC142I GSVX451I (MAIN) Abend S113-44 in Address space controller GSVX452I (MAIN) SYSVIEW TCB/RB not in control at entry to abend GSVX453I (MAIN) Diagnostics for TCB/RB in control at entry to abend GSVX457I (MAIN) Psw 075C1000 80E75598 Ilc 2 Intc 0D GSVX477I (MAIN) Key 5 State SUP Am 31 Asc PRI GSVX458I (MAIN) Module IGC0001I Addr 00E60000 Offset 00015598 GSVX459I (MAIN) Data at PSW addr 00E75592 GSVX460I (MAIN) 4100302C 0A0D010D A7E5014B GSVX455I (MAIN) General registers at entry to abend GSVX467I (MAIN) R0-R1 00000000_00E758A0 00000000_A4113000 GSVX467I (MAIN) R2-R3 00000000_0000948C 00000000_00E75874 GSVX467I (MAIN) R4-R5 00000000_00AD5410 00000000_00AD57A4 GSVX467I (MAIN) R6-R7 00000000_00AD574C 00000000_00AD57A4 GSVX467I (MAIN) R8-R9 00000000_00AD576C 00000000_00AD4EC0 GSVX467I (MAIN) R10-R11 00000000_80E77B5A 00000000_7F554CE8 GSVX467I (MAIN) R12-R13 00000000_80E78976 00000000_7F554CE8 GSVX467I (MAIN) R14-R15 00000000_80E74DF6 00000000_00000044 GSVX475I (MAIN) Access registers at entry to abend GSVX461I (MAIN) AR0-AR3 00AF8588 00000000 00000000 00000000 GSVX461I (MAIN) AR4-AR7 00000000 00000000 00000000 00000000 GSVX461I (MAIN) AR8-AR11 00000000 00000000 00000000 00000000 GSVX461I (MAIN) AR12-AR15 00000000 00000000 00000000 00000000 GSVX454I (MAIN) Diagnostics for SYSVIEW TCB/RB at last interrupt GSVX457I (MAIN) Psw 078C1000 94A3ECBE Ilc 2 Intc 13 GSVX477I (MAIN) Key 8 State SUP Am 31 Asc PRI GSVX458I (MAIN) Module GSVXNUC Addr 14515000 Offset 00529CBE GSVX458I (MAIN) NucMod GSVXNUC0 Addr 14515000 Offset 00529CBE GSVX450I (MAIN) FixLvl SO10211 GSVX473I (MAIN) Routne OPEN$$ Addr 14A3EA10 Offset 000002AE GSVX456I (MAIN) General registers at time of interrupt GSVX467I (MAIN) R0-R1 00000000_0000948C 00000000_000092C8 GSVX467I (MAIN) R2-R3 00000000_14511A18 00000000_14511A18 GSVX467I (MAIN) R4-R5 00000000_02A4F100 00000000_00AF8588 GSVX467I (MAIN) R6-R7 00000000_00AF8588 00000000_14513000 GSVX467I (MAIN) R8-R9 00000000_14512100 00000000_00009060

Service	Details
	GSVX467I (MAIN) R10-R11 00000000_14A41088 00000000_14511000
	GSVX467I (MAIN) R12-R13 00000000_14A3EA10 00000000_14E27130
	GSVX467I (MAIN) R14-R15 00000000_94A3EC92 00000000_00000000
	GSVX476I (MAIN) Access registers at time of interrupt
	GSVX461I (MAIN) AR0-AR3 00000000 00000000 00000000 00000000
	GSVX461I (MAIN) AR4-AR7 00000000 00000000 00000000 00000000
	GSVX461I (MAIN) AR8-AR11 00000000 00000000 00000000 00000000
	GSVX461I (MAIN) AR12-AR15 00000000 00000000 00000000 00000000
	GSVX462I (MAIN) End of symptom dump
	GSVX950I (MAIN) SVCDUMP requested
	GSVX458I (MAIN) Module GSVXNUC Addr 14515000 Offset 00529CBE
	GSVX458I (MAIN) NucMod GSVXNUC0 Addr 14515000 Offset 00529CBE
	GSVX450I (MAIN) FixLvl SO10211
	GSVX473I (MAIN) Routne OPEN$$ Addr 14A3EA10 Offset 000002AE
	GSVX954I (MAIN) Issuing SDUMPX to capture SVC dump
	IEA794I SVC DUMP HAS CAPTURED: 196
	DUMPID=002 REQUESTED BY JOB (SYSVIEW)
	DUMP TITLE=CA SYSVIEW 15.0 0980 - Job SYSVIEW Asid 00EA Abend S
	113-44 Mod GSVXNUC0 Rtn OPEN$$
	GSVX959I (MAIN) SDUMPX complete, SVC dump captured
	GSVX829I (MAIN) GSVXINSR ended, rc 0C
	GSVX205E (MAIN) Nucleus load failed, reason 4 dynamic install service failed
	GSVX572E (MAIN) MAIN task initialization failed
	IMPACT:
	SYSVIEW is unable to start. Main address space initialization
	never completes.
	CIRCUMVENTION:
	Move the SYSVIEW loadlib to a non-Extended Address Volume.
	PRODUCT(S) AFFECTED:
	CA SYSVIEW Release 16.0
	CA SYSVIEW Release 15.0
	Related Problem:
	SYSVW 2507
	Copyright (C) 2020 CA. All rights reserved. R00093-NM4160-SP0
	DESC(ABEND S113-44 AT STARTUP WHEN LOADLIB ON EAV).
	++VER (Z038)
	FMID (CNM4G00)
	SUP (ST13033)

Service	Details
SO13072	SO13072 M.C.S. ENTRIES = ++PTF (SO13072) E-CSA OVERLAY AFTER DYNAMIC CPU ADD PROBLEM DESCRIPTION: SYSVIEW monitors and displays processor usage on an LPAR. If an attempt is made to dynamically add more processors to an LPAR than is allowed by z/OS, it could result in SYSVIEW overlaying storage in E-CSA Subpool 228 Key 0. This problem can only occur if Simultaneous Multithreading (SMT) is in use, where there are multiple threads per core. SYMPTOMS: In the reported case a customer used the HMC to dynamically add more processors to an LPAR than what was allowed by the DYNCPADD keyword in SYS1.PARMLIB(LOADxx). The additional processors beyond the DYNCPADD limit (default is 16) did not get added and the following messages were issued: ISN013I CORE 54 CANNOT BE ADDED. SYSTEM LIMITED TO CORE ID 53 DUE TO LOADXX DYNCPADD ISN013I CORE 55 CANNOT BE ADDED. SYSTEM LIMITED TO CORE ID 53 DUE TO LOADXX DYNCPADD ISN013I CORE 56 CANNOT BE ADDED. SYSTEM LIMITED TO CORE ID 53 DUE TO LOADXX DYNCPADD During SYSVIEW collection of processor details this resulted in several 5-byte overlays in E-CSA Subpool 228 Key 0 storage. The following overlay values were seen, where the first byte corresponds to the Core ID in the above ISN013I messages: x'54000500E1' x'55000500E1' x'56000500E1' In many cases the overlay instances are paired, with the same value being repeated x'300' bytes apart. The overlays always begin at storage locations xxxxxx1C. In rare instances the overlays were also seen in E-CSA allocated by SYSVIEW, with eyecatchers of 'PIBH' and 'PIBE'. IMPACT: Abends or other unpredictable results due to E-CSA storage overlay, possibly leading to an IPL. CIRCUMVENTION: Do not attempt to dynamically add more CPUs during the life of an IPL than allowed for by the DYNCPADD keyword in SYS1.PARMLIB(LOADxx). PRODUCT(S) AFFECTED: CA SYSVIEW Release 14.2 CA SYSVIEW Release 15.0 CA SYSVIEW Release 16.0 Related Problem: SYSVW 2506 Copyright (C) 2020 CA. All rights reserved. R00094-NM4160-SP0 DESC(E-CSA OVERLAY AFTER DYNAMIC CPU ADD). ++VER (Z038) FMID (CNM4G00) PRE (SO08895 SO09059 SO09589 SO10316 SO10588 SO10680 SO11028 SO11875 SO12816) SUP (EC08481 ST13072)

Service	Details
SO13089	SO13089 M.C.S. ENTRIES = ++PTF (SO13089) PLOG001W ISSUING PLOTLOG PLOT LINE COMMAND PROBLEM DESCRIPTION: The PLOT line command on the PLOTLOG command display does not work if the following PTF is applied: SYSVIEW 14.2 PTF SO11611 SYSVIEW 15.0 PTF SO11610 SYSVIEW 16.0 PTF SO11553 SYMPTOMS: Issuing the PLOT line command from the PLOTLOG command display results in the following message: PLOG001W Requested data is not available IMPACT: PLOTLOG data collection entries may not be plotted using the PLOT line command. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA SYSVIEW Release 14.2 CA SYSVIEW Release 15.0 CA SYSVIEW Release 16.0 Related Problem: SYSVW 2508 Copyright (C) 2020 CA. All rights reserved. R00095-NM4160-SP0 DESC(PLOG001W ISSUING PLOTLOG PLOT LINE COMMAND). ++VER (Z038) FMID (CNM4G00) PRE (SO11553) SUP (AS11553 ST13089)

Service	Details
SO13116	SO13116 M.C.S. ENTRIES = ++PTF (SO13116) GSVX176E S0C4 ISSUING COMMANDS ON MQ 9.1.5 PROBLEM DESCRIPTION: 1. Changes in IBM MQ for z/OS 9.1.5 may cause the following commands to abend: MQHANDLE MQQUSERS MQSBSTAT MQTUSERS MQUSERS 2. Changes to the underlying channel data in IBM MQ for z/OS 9.1.3 causes incorrect data and/or an error message on the following commands if a SVRCONN channel is active: MQCHAN MQCHSTAT SYMPTOMS: 1. Issuing any of the listed commands results in an error message similar to the following: GSVX176E Abend S0C4-10 occurred processing MQHANDLE command With abend messages similar to the following in LISTLOG: GSVX452I SYSVIEW SRB in control at entry to abend GSVX453I Diagnostics for SRB in control at entry to abend GSVX457I Psw 070C2000 8EB78808 Ilc 4 Intc 10 GSVX477I Key 0 State SUP Am 31 Asc PRI GSVX458I Module GSVSX913 Addr 0EB6F000 Offset 00009808 GSVX450I FixLvl SO09873 GSVX473I Routne GUSX$$ Addr 0EB785F8 Offset 00000210 GSVX459I Data at PSW addr 0EB78802 GSVX460I 12774780 C24E9180 701F4710 GSVX455I General registers at entry to abend GSVX467I R0-R1 00000000_00000000 00000000_00000016 GSVX467I R2-R3 00000000_00000000 00000000_09D29048 GSVX467I R4-R5 00000000_09D29010 00000000_0B34F2D0 GSVX467I R6-R7 00000000_09CF6E90 00000000_586054C0 GSVX467I R8-R9 00000000_0E9A3000 00000000_0EB80060 GSVX467I R10-R11 00000000_0EB79D40 00000000_0E9A1000 GSVX467I R12-R13 00000000_0EB785F8 00000000_0E9A9D18 GSVX467I R14-R15 00000000_8EB78668 00000000_00000000 2. Issuing either of the listed commands results in an error message similar to the following: GSVX737E XMDS req 2503 failed in ASID 0431, rc 0000000C rs 00000000 ec 00C48010 00000000 IMPACT: Several MQ command displays may not work. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA SYSVIEW Release 15.0 CA SYSVIEW Release 16.0 Related Problem: SYSVW 2510 Copyright (C) 2020 CA. All rights reserved. R00096-NM4160-SP0

Service	Details
	DESC(GSVX176E SOC4 ISSUING COMMANDS ON MQ 9.1.5).
	++VER (Z038)
	FMID (CNM4G00)
	PRE (SO09059 SO09589 SO09844 SO10316 SO11028 SO11122
	SO11361 SO12050)
	SUP (SO08674 SO12474 ST08674 ST12474 ST13116)

Service	Details
SO13187	SO13187 M.C.S. ENTRIES = ++PTF (SO13187) JVM AGENT FAILS TO START FOR JVM VERSION 1.7 PROBLEM DESCRIPTION: Changes made to the IBM JDK (Java Developers Kit) introduced a compatability issue with SYSVIEW's monitoring of Java 7. When changes were made in SYSVIEW PTF's SO12217 (15.0) and SO12347 (16.0) the IBM maintenance was unknowingly included in during recompile. SYMPTOMS: When a JVM is started and is supposed to be monitored by SYSVIEW, the JVM agent will not be started as shown on the JVMLIST display. IMPACT: JVM's started with Java V7 will not be monitored. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA SYSVIEW Release 15.0 CA SYSVIEW Release 16.0 Related Problem: SYSVW 2509 Copyright (C) 2020 CA. All rights reserved. R00098-NM4160-SP0 DESC(JVM AGENT FAILS TO START FOR JVM VERSION 1.7). ++VER (Z038) FMID (CNM4G00) PRE (SO09589 SO10269 SO11632) SUP (AS12347 SO12347 ST12347 ST13187) ++HOLD (SO13187) SYSTEM FMID(CNM4G00) REASON (ACTION) DATE (20136) COMMENT (+----------+----------+ | CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 | +----------+----------+ |SEQUENCE | Before Accept | +----------+----------+ |PURPOSE | To implement the fix | +----------+----------+ |USERS | All users of SYSVIEW | |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. After applying this PTF, the JVM data collector agent run-time binaries will need to be deployed to your site's run-time environment, followed by a stop and start of your JVMs. Follow these steps to implement the change:

Service	Details
	1. 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 sysviewhlq.SAMPJCL(INST0006) install job. 2. Stop the JVMs configured to run the agent. 3. 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.). BINARY LINK('../libgsvoagt1.so') PARM(PATHMODE(0,7,7,5)) . BINARY LINK('../libgsvoagt4.so') PARM(PATHMODE(0,7,7,5)) .

Service	Details
SO13228	SO13228 M.C.S. ENTRIES = ++PTF (SO13228) ABEND S0C1 GSVCUTIL INST0010 W/SO12816 PROBLEM DESCRIPTION: After applying PTF SO12816 an S0C1 ABEND is encountered when running install member INST0010 and verification member IVP00001. The abend is the due to a LOAD being issued for a module that no longer exists. SYMPTOMS: S0C1 abend running INST0010 or IVP00001. SYSUDUMP gets created with messages similar to the following IEA995I SYMPTOM DUMP OUTPUT 833 SYSTEM COMPLETION CODE=0C1 REASON CODE=00000001 TIME=13.12.34 SEQ=53524 CPU=0000 ASID=042D PSW AT TIME OF ERROR 078D2000 80007686 ILC 2 INTC 01 ACTIVE MODULE ADDRESS=00000000_00007000 OFFSET=00000686 NAME=GSVCUTIL DATA AT PSW 00007680 - 47F0C278 0000D3D6 C1C440C6 GR 0: 00013618 1: 00000806 2: 00006000 3: 00013618 4: 007D7D40 5: 007FE818 6: 007BAFC8 7: 00ECAD00 8: 00013158 9: 007F82B8 A: 3B001000 B: 3B000000 C: 00007420 D: 00016E70 E: 3B000698 F: 00000004 END OF SYMPTOM DUMP IMPACT: Unable to run install member INST0010 or verification job IVP00001. CIRCUMVENTION: These jobs can be bypassed without jeopardizing SYSVIEW installation. PRODUCT(S) AFFECTED: CA SYSVIEW Release 16.0 Related Problem: SYSVW 2511 Copyright (C) 2020 CA. All rights reserved. R00100-NM4160-SP0 DESC(ABEND S0C1 GSVCUTIL INST0010 W/SO12816). ++VER (Z038) FMID (CNM4G00) PRE (SO09589 SO10098 SO12816) SUP (AS12816 ST13228)

Service	Details
SO13240	SO13240 M.C.S. ENTRIES = ++PTF (SO13240) COMPATIBILITY SUPPORT FOR IMS 15.2.0 PROBLEM DESCRIPTION: This fix provides compatibility support for IMS 15.2.0, in regards to IMS APAR PH16682. The IMSLIST command display will now show the IMS installed level of 15.2.0. The IMSRSLOG, IMSTLOG and IMSTSUM (new in 16.0) displays will show a record version of 15.2. SYMPTOMS: The following fields were displaying a version of 15.1: IMSLIST Ver field IMSRSLOG IMS field IMSTLOG IMS field IMSTSUM IMS field And the IMS field in the Information area on most IMS displays. IMPACT: None. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA SYSVIEW Release 15.0 CA SYSVIEW Release 16.0 Related Problem: SYSVW 2512 Copyright (C) 2020 CA. All rights reserved. R00101-NM4160-SP0 DESC(COMPATIBILITY SUPPORT FOR IMS 15.2.0). ++VER (Z038) FMID (CNM4G00) PRE (SO09059 SO10098 SO10197 SO10316 SO11553 SO11642 SO11875 SO12125 SO12880) SUP (ST13240)

Service	Details
SO13276	SO13276 M.C.S. ENTRIES = ++PTF (SO13276) ABEND S0C4 DURING IMS REGION SHUTDOWN PROBLEM DESCRIPTION: During the shutdown of a monitored IMS control region, an S0C4-10 is encountered when the IMS Logical Logger data area has been freed. SYSVIEW attempts to write a trace entry during shutdown of the region, however, while preparing the trace entry, SYSVIEW tries to obtain the regions subsystem ID from the LLGR block which no longer exists. SYMPTOMS: S0C4-10 in IMS control region during shutdown. The following may be seen in the IMS joblog: IEA995I SYMPTOM DUMP OUTPUT 700 SYSTEM COMPLETION CODE=0C4 REASON CODE=00000011 TIME=04.00.02 SEQ=00216 CPU=0000 ASID=014D PSW AT TIME OF ERROR 070C1000 90F8F736 ILC 6 INTC 11 NO ACTIVE MODULE FOUND NAME=UNKNOWN DATA AT PSW 10F8F730 - D2071010 901CD207 101882D0 GR 0: 00000313_00000020 1: 0010014D_10F8E338 2: 00000000_00000080 3: 00000000_1B87B400 4: 00000000_10F64CC0 5: 00000000_7F5D9DA8 6: 00000000_1190B0B0 7: 00000000_00FB3300 8: 00000000_134FC100 9: 00000000_009FC02C A: 00000000_15A00420 B: 00000000_009FC00C C: 00000000_10F8F2A0 D: 00000000_009FC06C E: 00000000_90F8F728 F: 00000000_00000000 END OF SYMPTOM DUMP IMPACT: Dump is generated during control region shutdown. Region continues to shutdown normally. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA SYSVIEW Release 15.0 CA SYSVIEW Release 16.0 Related Problem: SYSVW 2503 Copyright (C) 2020 CA. All rights reserved. R00104-NM4160-SP0 DESC(ABEND S0C4 DURING IMS REGION SHUTDOWN). ++VER (Z038) FMID (CNM4G00) SUP (ST13276) MCS SO13033 STARTS ON PAGE 0002 MCS SO13072 STARTS ON PAGE 0004 MCS SO13089 STARTS ON PAGE 0005 MCS SO13116 STARTS ON PAGE 0006 MCS SO13187 STARTS ON PAGE 0009 MCS SO13228 STARTS ON PAGE 0011 MCS SO13240 STARTS ON PAGE 0012 MCS SO13276 STARTS ON PAGE 0013

Product Family	Product	Release
Systems Management	CA SYSVIEW PERFORMANCE MANAGEMENT	16.00.00

The CA RS 2006 Product/Component Count for this release is 1

CA RS Level	Service	FMID
CAR2006	SO13276	CNM4G00
	SO13240	CNM4G00
	SO13228	CNM4G00
	SO13187	CNM4G00
	SO13116	CNM4G00
	SO13089	CNM4G00
	SO13072	CNM4G00
	SO13033	CNM4G00
CAR2005	SO12880	CNM4G00
	SO12816	CNM4G00
	SO12773	CNM4G00
	SO12721	CNM4G00
	SO12629	CNM4G00
	SO12625	CNM4G00
	SO12580	CNM4G00
	SO12330	CNM4G00
CAR2004	SO12516	CNM4G00
	SO12474	CNM4G00
	SO12454	CNM4G00
	SO12406	CNM4G00
	SO12401	CNM4G00
	SO12381	CNM4G00
	SO12354	CNM4G00
	SO12347	CNM4G00
	SO12257	CNM4G00
	SO12200	CNM4G00
	SO12163	CNM4G00
CAR2003	SO12125	CNM4G00
	SO12051	CNM4G00
	SO12050	CNM4G00
	SO11959	CNM4G00
	SO11955	CNM4G00
	SO11898	CNM4G00
	SO11891	CNM4G00
	SO11875	CNM4G00
	SO11865	CNM4G00
	SO11762	CNM4G00
	SO10411	CNM4G00
CAR2002	SO11830	CNM4G00
	SO11821	CNM4G00
	SO11798	CNM4G00
	SO11683	CNM4G00
	SO11642	CNM4G00
	SO11632	CNM4G00
	SO11553	CNM4G00
	SO11361	CNM4G00
CAR2001	SO11122	CNM4G00

CA RS Level	Service	FMID
	SO11028	CNM4G00
CAR1912	SO10853	CNM4G00
	SO10849	CNM4G00
	SO10710	CNM4G00
	SO10680	CNM4G00
	SO10649	CNM4G00
	SO10588	CNM4G00
	SO10541	CNM4G00
CAR1911	SO10537	CNM4G00
	SO10497	CNM4G00
	SO10493	CNM4G00
	SO10484	CNM4G00
	SO10421	CNM4G00
	SO10382	CNM4G00
	SO10332	CNM4G00
	SO10326	CNM4G00
	SO10316	CNM4G00
	SO10269	CNM4G00
	SO10214	CNM4G00
	SO10209	CNM4G00
CAR1910	SO10206	CNM4G00
	SO10197	CNM4G00
	SO10143	CNM4G00
	SO10098	CNM4G00
	SO09844	CNM4G00
	SO09632	CNM4G00
CAR1909	SO09772	CNM4G00
	SO09681	CNM4G00
	SO09650	CNM4G00
	SO09607	CNM4G00
	SO09589	CNM4G00
	SO09537	CNM4G00
	SO08894	CNM4G00
CAR1908	SO09287	CNM4G00
	SO09281	CNM4G00
	SO09059	CNM4G00
	SO09013	CNM4G00
	SO08793	CNM4G00
CAR1907	SO08895	CNM4G00
	SO08743	CNM4G00
	SO08740	CNM4G00
	SO08698	CNM4G00
	SO08681	CNM4G00
	SO08674	CNM4G00
	SO08553	CNM4G00
	SO08544	CNM4G00
	SO08502	CNM4G00

CA RS Level	Service	FMID
	SO08485	CNM4G00
	SO08459	CNM4G00
	SO08228	CNM4G00