Service	Description	Type
LU02613	ZCN AGENT NO INTERCEPTOR INITIALIZING AND NULL SERVICE VALUE	*HIP/PRP*
LU02954	NEW IMS TRANSACTION AND REGION SUMMARY METRICS	PTF
LU02963	NO SMF IEFU86 EXIT RECORDS RECORDED TO SMFLOG	** PRP **
LU02966	ABEND S0C4 GSVKACTI ISSUING ACTIVITY COMMAND	PTF
LU03000	CPROGRAM API FIELD ALWAYS SHOWS CICSAPI	PTF
LU03030	GSVX737E XMDS REQ 0506 FAILED IN ASID N/A	*HIP/PRP*
LU03050	JOUTCLAS OUTDISP FIELD CHANGES NOT AUDITED	PTF
LU03067	ABEND U2999-802 ISSUING IPEECONN THEN OTHER IP COMMANDS	PTF
LU03135	PTF TRACKING ELEMENT LEVEL SET	PTF
LU03153	NEW PRODUCT PTF ANALYSIS	PTF
LU03284	IMSTRACE SOME FIELDS NOT BEING POPULATED FOR FASTPATH, BMP	PTF

The CA RS 2111 service count for this release is 11

FMID	Service	Description	Type
CNM4G00	LU02613	ZCN AGENT NO INTERCEPTOR INITIALIZING AND NULL SERVICE VALUE	*HIP/PRP*
	LU02954	NEW IMS TRANSACTION AND REGION SUMMARY METRICS	PTF
	LU02963	NO SMF IEFU86 EXIT RECORDS RECORDED TO SMFLOG	** PRP **
	LU02966	ABEND S0C4 GSVKACTI ISSUING ACTIVITY COMMAND	PTF
	LU03000	CPROGRAM API FIELD ALWAYS SHOWS CICSAPI	PTF
	LU03030	GSVX737E XMDS REQ 0506 FAILED IN ASID N/A	*HIP/PRP*
	LU03050	JOUTCLAS OUTDISP FIELD CHANGES NOT AUDITED	PTF
	LU03067	ABEND U2999-802 ISSUING IPEECONN THEN OTHER IP COMMANDS	PTF
	LU03135	PTF TRACKING ELEMENT LEVEL SET	PTF
	LU03153	NEW PRODUCT PTF ANALYSIS	PTF
	LU03284	IMSTRACE SOME FIELDS NOT BEING POPULATED FOR FASTPATH, BMP	PTF
The CA RS 2111 service count for this FMID is 11			

Service	Details
LU02613	LU02613 M.C.S. ENTRIES = ++PTF (LU02613) ZCN AGENT NO INTERCEPTOR INITIALIZING AND NULL SERVICE VALUE PROBLEM DESCRIPTION: There are two errors relating to z/OS Connect: 1. In order to provide real-time performance statistics for z/OS Connect servers, SYSVIEW's JVM Data Collector agent is configured in the z/OS Connect server. The agent will install a SYSVIEW interceptor in the server if the monzcnreq option is passed to the SYSVIEW JVM agent. In the case where there are no interceptors configured in the server.xml configuration file used by the z/OS Connect server being monitored by SYSVIEW, the SYSVIEW JVM agent fails to initialize. This results in all z/OS Connect statistics displayed in SYSVIEW to be unavailable. After this fix, the MonZcn and MonZcnReq fields on the following commands can have a new value of FAILED in order to indicate what part of the JVM agent's initialization process failed: ZCNAPIS ZCNLIST ZCNSERV ZCNSOR ZCNURIS The MonZcn field will have the value FAILED when the SYSVIEW JVM agent fails to find the base z/OS Connect Java classes after the interval specified by the monzreqintvl and monzreqretry options is over. The MonZcnReq field will have the value FAILED when the SYSVIEW JVM agent finds the base z/OS Connect Java classes but fails to find the interceptor z/OS Connect Java classes after the interval specified by the monzreqintvl and monzreqretry options is over. The SYSVIEW JVM agent will only attempt to look for the interceptor z/OS Connect Java classes if the monzcnreq option passed to the agent has the value ENABLED. NOTE: Even after this fix, a workaround will need to be followed if the monzcnreq option has the value ENABLED and there are no interceptor definitions in the server.xml file. If no workaround is followed, no real-time performance statistics will be available for z/OS Connect in SYSVIEW. A workaround is needed because SYSVIEW's JVM agent depends on z/OS Connect to load the required interceptor Java classes. There is no way to force the classes to be loaded other than having an interceptor definition in the server.xml file. Follow the steps in the CIRCUMVENTION section to define an empty interceptor definition in order to workaround this problem. 2. There is an error relating to displaying z/OS Connect services information in SYSVIEW. It is possible to define services in the server.xml file used by a z/OS Connect server. These services are defined using the <zosconnect_zosConnectService/> element. There are several attributes that can be coded on this element and many of them are optional. In the case where SYSVIEW attempts to display the value from an optional attribute that was not coded on a <zosconnect_zosConnectService/> element, the SYSVIEW JVM agent crashes due to operating on a NULL value. This results in the shut down of the z/OS Connect server. In the case where the error relating to z/OS Connect services was found, the <zosconnect_zosConnectService/> element did not have the serviceDescription attribute coded. When SYSVIEW attempted to display

Service	Details
	the value for the serviceDescription attribute on the ZCNSERV command, the JVM agent crashed. After this fix, any z/OS Connect services that contain NULL values will be displayed as blanks in SYSVIEW. SYMPTOMS: 1. There are two symptoms when no interceptors are defined. A. The job log for the z/OS Connect server will show the following message after the interval specified by the monzreqintvl and monzreqretry options is over: GSV1050E z/OS Connect Java classes for CA SYSVIEW loading failed max retries B. The MonZcn field on the following commands will have the value INITIALIZING: ZCNAPIS ZCNLIST ZCNSERV ZCNSOR ZCNURIS 2. The SYSVIEW JVM agent and z/OS Connect server will both crash after navigating to the ZCNSERV command in SYSVIEW. IMPACT: 1. z/OS Connect servers will not be able to be monitored by SYSVIEW. This means that no information will be available on the z/OS Connect commands in SYSVIEW. 2. The z/OS Connect server will crash if a user navigates to the ZCNSERV command. CIRCUMVENTION: 1. Create an empty interceptor definition in the server.xml file. To do this, specify the following in server.xml: <zosconnect_zosConnectInterceptors id="interceptorList1" interceptorRef=""/> The value of the id attribute can be changed. Normally, the interceptorRef attribute points to an actual interceptor definition. By specifying no value for the interceptorRef attribute, we are creating an empty interceptor definition. After creating the empty interceptor definition, it needs to be referenced by the <zosconnect_zosConnectManager/> element in the server.xml file. This element accepts a globalInterceptorsRef attribute and the value of this attribute must be the value of the id attribute coded on the <zosconnect_zosConnectInterceptors/> element. After the changes are made to the server.xml file and the z/OS Connect server is restarted, the SYSVIEW JVM agent will fully initialize. 2. Update all of the <zosconnect_zosConnectService/> elements in the server.xml file. SYSVIEW depends on each <zosconnect_zosConnectService/> element to have the serviceName and serviceDescription attributes coded. PRODUCT(S) AFFECTED: CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 Related Problem: SYSVW 14626 Copyright (C) 2021 CA. All rights reserved. R00236-NM4160-SP0 DESC(ZCN AGENT NO INTERCEPTOR INITIALIZING AND NULL SERVICE VALUE). ++VER (Z038) FMID (CNM4G00) PRE (LU00527 LU00951 LU01855 LU02316 SO08681 SO09589 SO10269 SO11632 SO12347 SO12629 SO13187 SO14533

Service	Details
	SO15790 SO16018 SO16108)
	SUP (AS10269 LC08481 LT02613 SO10411 ST10411)
	++HOLD (LU02613) SYSTEM FMID(CNM4G00)
	REASON (ACTION) DATE (21277)
	COMMENT (
	+----------+----------+
	| CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 |
	+----------+----------+
	|SEQUENCE | After Apply |
	+----------+----------+
	|PURPOSE | To allow SYSVIEW to monitor z/OS Connect requests |
	+----------+----------+
	|USERS | All users of SYSVIEW's z/OS Connect monitoring component |
	|AFFECTED | |
	+----------+----------+
	|KNOWLEDGE | z/OS Connect administration |
	|REQUIRED | |
	+----------+----------+
	|ACCESS | Write access to z/OS Connect server.xml config file |
	|REQUIRED | |
	+----------+----------+
	**************************
	* STEPS TO PERFORM *
	**************************
	Even after this fix, a workaround will need to be followed if the monzcnreq option has the value ENABLE and there are no interceptor definitions in the server.xml file. If no workaround is followed, no real-time performance statistics will be available for z/OS Connect in SYSVIEW. A workaround is needed because SYSVIEW's JVM agent depends on z/OS Connect to load the required interceptor Java classes. There is no way to force the classes to be loaded other than having an interceptor definition in the server.xml file. Follow these steps to add an empty interceptor definition in the server.xml file:
	1. Create an emtpy interceptor definition by adding the following element to the server.xml file:
	<zosconnect_zosConnectInterceptors id="interceptor1" interceptorRef=""/>
	The value of the id attribute can be changed. Normally, the interceptorRef attribute points to an actual interceptor definition. By specifying no value for the interceptorRef attribute, we are creating an empty interceptor definition.
	2. After creating the empty interceptor definition, it needs to be referenced by the <zosconnect_zosConnectManager/> element in the server.xml file. This element accepts a globalInterceptorsRef attribute and the value of this attribute must be the value of the id attribute coded on the <zosconnect_zosConnectInterceptors/> element.
	).
	++HOLD (LU02613) SYSTEM FMID(CNM4G00)
	REASON (RESTART) DATE (21277)
	COMMENT (
	+----------+----------+
	| CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 |
	+----------+----------+
	|SEQUENCE | After Apply |
	+----------+----------+

Service	Details
	|PURPOSE	To implement the fix | +----------+----------+ |USERS	All users of SYSVIEW's JVM component
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.). BINARY LINK('../libgsvoagt1.so') PARM(PATHMODE(0,7,7,5)) . BINARY LINK('../libgsvoagt4.so') PARM(PATHMODE(0,7,7,5)) .

Service	Details
LU02954	LU02954 M.C.S. ENTRIES = ++PTF (LU02954) NEW IMS TRANSACTION AND REGION SUMMARY METRICS ENHANCEMENT DESCRIPTION: This feature PTF enhances CA SYSVIEW's IMS component by providing additional metrics for both IMS Transaction Detail records and IMS Region Summary records. Some minor changes to the information shown for IMS threshold variables (VARS IMS command) were also made. This feature PTF contains the following enhancements and changes: 1. Transaction Detail record updates (SMF 255-34): New Metric Description ---------- ----------- IMTR_CNT_Lock_HWM Syncpoint lock High Water Mark IMTR_CNT_Lock_Total Total syncpoint locks IMTR_CNT_DB2_SQL Total DB2 SQL calls * IMTR_CLK_UNKN_Elapsed Unknown ESS elasped time IMTR_CLK_DB2_Elapsed DB2 elasped time IMTR_CLK_MQ_Elapsed MQ elasped time IMTR_CLK_WOLA_Elapsed WOLA elapsed time IMTR_CLK_Last_DLI Last DLI call elapsed time * IMTR_ESS_SST SubSystem Type (UNKN, DB2, MQ, WOLA) Updates to the IMS transaction record formatting module GSVPF034 have been made to display these new fields. 2. Region Summary record updates (SMF 255-35): New Metric Description ---------- ----------- IMRA_Lock_HWM Syncpoint lock HWM IMRA_Lock_Total Total syncpoint locks IMRA_Last_DLI Last DLI call elapsed time IMRA_Max_DLI_DB Max DLI DB call time IMRA_Max_DLI_DC Max DLI DC (MSG) call time IMRA_Max_ESS Max ESS call time Updates to the IMS region summary record formatting module GSVPF035 have been made to display these new fields. 3. Columns 'TaskEnd' and 'System' have been populated on the VARS IMS display to indicate when an IMS threshold variable is processed. PRODUCT(S) AFFECTED: CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 Related Problem: SYSVW 14880 Copyright (C) 2021 CA. All rights reserved. R00243-NM4160-SP0 DESC(NEW IMS TRANSACTION AND REGION SUMMARY METRICS). ++VER (Z038) FMID (CNM4G00) PRE (LU00527 LU00849 LU01276 LU03135 SO09059 SO09589 SO10098 SO10316 SO11553 SO11642 SO13240 SO13989 SO14533 SO15210) SUP (LT02016 LT02954 LU02016)

Service	Details
LU02963	LU02963 M.C.S. ENTRIES = ++PTF (LU02963) NO SMF IEFU86 EXIT RECORDS RECORDED TO SMFLOG PROBLEM DESCRIPTION: SYSVIEW provides the ability to write SMF records generated by the IEFU83, IEFU84, and IEFU86 dynamic exits to SYSVIEW's SMFLOG. A validation check added by PTF SO12816 caused validation to fail for IEFU86 SMF records which resulted in no records being written to SYSVIEW's SMFLOG if they were sent from the IEFU86 exit. These would include records above 255 as well as all records sent via IEFU86 if IEFU86 was the only dynamic exit present. SYMPTOMS: SMF counts continue to increase when viewed in SMFDATA display, however, no additional records are written to the SYSVIEW SMFLOG when IEFU86 dynamic exit is the one sending them. IMPACT: SMF records are not written to the SYSVIEW SMFLOG when they are sent by dynamic exit IEFU86. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 Related Problem: SYSVW 14928 Copyright (C) 2021 CA. All rights reserved. R00244-NM4160-SP0 DESC(NO SMF IEFU86 EXIT RECORDS RECORDED TO SMFLOG). ++VER (Z038) FMID (CNM4G00) PRE (LU00849 LU02191 SO09059 SO09589 SO10316 SO11028 SO11875 SO12125 SO12816 SO14533 SO16108) SUP (CS12816 LT02963)

Service	Details
LU02966	LU02966 M.C.S. ENTRIES = ++PTF (LU02966) ABEND S0C4 GSVKACTI ISSUING ACTIVITY COMMAND PROBLEM DESCRIPTION: When SYSVIEW is processing address spaces to be displayed on the ACTIVITY command, it is possible to encounter unexpected behavior if the address space that is being processed becomes inactive. SYMPTOMS: S0C4 abends when navigating to the ACITIVTY command. Abend S0C4-11 in ACTIVITY command Userid SYSSTC Terminal UNKNOWN Interface API SYSVIEW SRB in control at entry to abend Diagnostics for SRB in control at entry to abend Psw 078C0000 9FD36308 Ilc 6 Intc 11 Key 8 State SUP Am 31 Asc PRI Module GSVKACTI Addr 1FD34000 Offset 00002308 FixLvl SO15081 Routne ACTIFMTD Addr 1FD35790 Offset 00000B78 Data at PSW addr 1FD36302 E0C40017 0DEEE300 41680004 General registers at entry to abend R0-R1 00000000_1FE1BBC0 00000003_00000000 R2-R3 00000000_00000000 00000000_00000000 R4-R5 00000000_04B8C000 00000000_1FF7C3E2 R6-R7 00000000_00FC4080 00000000_200C4278 R8-R9 00000000_20101278 00000000_1FF7C060 R10-R11 00000000_1FD393D8 00000000_1FB23000 R12-R13 00000000_1FD35790 00000000_1FE73258 R14-R15 00000000_9FD36308 00000000_00000008 Access registers at entry to abend AR0-AR3 00000000 00000000 00000000 00000000 AR4-AR7 00000000 00000000 00000000 00000000 AR8-AR11 00000000 00000000 00000000 00000000 AR12-AR15 00000000 00000000 00000000 00000000 It is also possible to see incorrect values reported for the following fields: AddSRBTm PreSRBTm IFAElig IFATime CPTime IIPencl IIPonCP IIPtime IMPACT: Unable to use the ACTIVITY command or incorrect data reported. CIRCUMVENTION: As this error will only occur in very specific timing windows, retrying the ACTIVITY command should solve the error. PRODUCT(S) AFFECTED: CA SYSVIEW PERFORMANCE MANAGEMENT Version 15.0 CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 Related Problem:

Service	Details
	SYSVW 14918 Copyright (C) 2021 CA. All rights reserved. R00245-NM4160-SP0 DESC(ABEND S0C4 GSVKACTI ISSUING ACTIVITY COMMAND). ++VER (Z038) FMID (CNM4G00) PRE (LU00527 LU00548 SO08895 SO09059 SO10316 SO15081) SUP (LT01394 LT02966 LU01394)

Service	Details
LU03000	LU03000 M.C.S. ENTRIES = ++PTF (LU03000) CPROGRAM API FIELD ALWAYS SHOWS CICSAPI PROBLEM DESCRIPTION: A CICS program defined with attribute API(OPENAPI) is not being displayed properly on the CPROGRAM command display. SYMPTOMS: The API field on the CPROGRAM command display will show CICSAPI and the JVM field may incorrectly show JVM. IMPACT: Incorrect display. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA SYSVIEW PERFORMANCE MANAGEMENT Version 15.0 CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 Related Problem: SYSVW 13585 Copyright (C) 2021 CA. All rights reserved. R00246-NM4160-SP0 DESC(CPROGRAM API FIELD ALWAYS SHOWS CICSAPI). ++VER (Z038) FMID (CNM4G00) PRE (LU00894 LU02000 SO09059 SO09589 SO10316 SO11875 SO12816 SO13538 SO16292) SUP (LT03000) ++HOLD (LU03000) SYSTEM FMID(CNM4G00) REASON (RESTART) DATE (21274) COMMENT (+----------+----------+ | CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 | +----------+----------+ |SEQUENCE | After Apply | +----------+----------+ |PURPOSE | To implement the fix | +----------+----------+ |USERS | All users of SYSVIEW for CICS | |AFFECTED | | +----------+----------+ |KNOWLEDGE | Product Administration | |REQUIRED | | +----------+----------+ |ACCESS | Product libraries | |REQUIRED | Ability to run SYSVIEW for CICS transactions | +----------+----------+ ********** * STEPS TO PERFORM * ********** Apply this fix and either recycle any monitored CICS regions, or use the GSVT (terminate) and GSVS (start) transactions to recycle SYSVIEW for CICS within each CICS region.).

Service	Details
LU03030	LU03030 M.C.S. ENTRIES = ++PTF (LU03030) GSVX737E XMDS REQ 0506 FAILED IN ASID N/A PROBLEM DESCRIPTION: SYSVIEW relies on CA Common Services being available and at a supported version. In the case where an out-of-support version of CA Common Services is installed, it is possible for the SYSVIEW address spaces and associated subtasks to enter infinite loops. In the case where CA Common Services is installed but a required service could not be found, possibly due to an out-of-support version, the following new message will appear and initialization will fail: GSV2248E Required CAMASTER service <servicename> not available SYMPTOMS: The following message will be seen in the SYSVIEW address spaces' job logs and associated subtasks' listlogs: GSVX737E XMDS req 0506 failed in ASID n/a IMPACT: Loss of function in SYSVIEW. CIRCUMVENTION: Update to a supported version of CA Common Services. PRODUCT(S) AFFECTED: CA SYSVIEW PERFORMANCE MANAGEMENT Version 15.0 CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 Related Problem: SYSVW 14960 Copyright (C) 2021 CA. All rights reserved. R00247-NM4160-SP0 DESC(GSVX737E XMDS REQ 0506 FAILED IN ASID N/A). ++VER (Z038) FMID (CNM4G00) PRE (LU00548 LU00849 LU00951 LU01064 LU01855 LU02191 LU02316 LU02534 LU02875 LU03135 SO08681 SO08743 SO08793 SO09059 SO09589 SO10316 SO10497 SO10680 SO11028 SO11642 SO11875 SO12125 SO12629 SO12816 SO14533 SO14894 SO15210 SO16018 SO16034 SO16108) SUP (LT03030 MC08481 SO12354 ST12354)

Service	Details
LU03050	LU03050 M.C.S. ENTRIES = ++PTF (LU03050) JOUTCLAS OUTDISP FIELD CHANGES NOT AUDITED PROBLEM DESCRIPTION: The JOUTCLAS command does security checks against the OUTCLASS security resource for each output class to determine if the OutDisp field value should be modifiable. However, if OutDisp is changed for a class no processing is done to issue a message if necessary, nor is a record created for Audit event SECURITY_RESOURCE. SYMPTOMS: In the reported case the following definition existed in the OUTCLASS security resource in a User group: Resource-Value Access Actions = AM ALTER The M setting under Access says to issue a message when the output class is used/referenced. When a user modified the OutDisp field on the JOUTCLAS command display a WTO similar to the following should have been issued but was not: GSVX502I userid used OUTCLASS x Additionally, a SECURITY_RESOURCE audit record was not created to indicate the user altered the output class. IMPACT: No external indication that an output class definition was modified. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA SYSVIEW PERFORMANCE MANAGEMENT Version 15.0 CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 Related Problem: SYSVW 13565 Copyright (C) 2021 CA. All rights reserved. R00248-NM4160-SP0 DESC(JOUTCLAS OUTDISP FIELD CHANGES NOT AUDITED). ++VER (Z038) FMID (CNM4G00) PRE (LU00951 LU02191 LU03135 SO10098 SO13538 SO16018 SO16108) SUP (LT03050)

Service	Details
LU03067	LU03067 M.C.S. ENTRIES = ++PTF (LU03067) ABEND U2999-802 ISSUING IPEECONN THEN OTHER IP COMMANDS PROBLEM DESCRIPTION: Issuing SYSVIEW command IPEECONN may result in user abend U2999-802 and your session terminating. The abend is a result of the IPEECONN command overlaying internal SYSVIEW control blocks when copying data from one buffer to another, but the buffer exceeds the expected size. In the reported case, the overlay occurred on SYSVIEW E-PVT storage, but it is possible this problem results in abend S0C4, or an overlay of non-SYSVIEW storage, leading to unpredictable results. In the reported case, the IPEECONN command was affected by this problem, but it is possible that IPEESUM could also result in the same problem. SYMPTOMS: Issuing SYSVIEW command IPEECONN or IPEESUM may result in the following abend when the data buffer exceeds the default size. GSVX489I SDWA 3C0A7500 RRXB 0007B2D0 DSA 3B4450C0 GSVX451E ABEND U2999-802 IN IPEECONN COMMAND GSVX472I USERID ??????? TERMINAL A01TD060 INTERFACE TSO GSVX452I SYSVIEW SRB IN CONTROL AT ENTRY TO ABEND GSVX453I DIAGNOSTICS FOR SRB IN CONTROL AT ENTRY TO ABEND GSVX457I PSW 078C1000 BB2DC264 ILC 2 INTC 0D GSVX477I KEY 8 STATE SUP AM 31 ASC PRI GSVX458I MODULE GSVXSTGR ADDR 3B2DB000 OFFSET 00001264 GSVX450I FIXLVL BASE GSVX473I ROUTNE VFYC$$ ADDR 3B2DC0C8 OFFSET 0000019C GSVX459I DATA AT PSW ADDR 3B2DC25E GSVX460I A7F80802 0A0D581B 0224A7F8 GSVX455I GENERAL REGISTERS AT ENTRY TO ABEND GSVX467I R0-R1 00000000_00000000 00000000_04000BB6 GSVX467I R2-R3 00000000_00000000 00000000_3B2BFA18 GSVX467I R4-R5 00000000_00000000 00000000_3B3E9720 GSVX467I R6-R7 00000000_3BD9F000 00000000_3B2C1000 GSVX467I R8-R9 00000000_3B3E98E0 00000000_3B2D5670 GSVX467I R10-R11 00000000_3B2DFD90 00000000_3B2BF000 GSVX467I R12-R13 00000000_3B2DC0C8 00000000_3B2E27A8 GSVX467I R14-R15 00000000_3B2E27A8 00000000_00000802 GSVX475I ACCESS REGISTERS AT ENTRY TO ABEND GSVX461I AR0-AR3 00000000 00000000 00000000 00000000 GSVX461I AR4-AR7 00000000 00000000 00000000 00000000 GSVX461I AR8-AR11 00000000 00000000 00000000 00000000 GSVX461I AR12-AR15 00000000 00000000 00000000 00000000 IMPACT: User session terminates with user abend U2999-802 CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA SYSVIEW PERFORMANCE MANAGEMENT Version 15.0 CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 Related Problem: SYSVW 14972 Copyright (C) 2021 CA. All rights reserved. R00249-NM4160-SP0

Service	Details
	DESC(ABEND U2999-802 ISSUING IPEECONN THEN OTHER IP COMMANDS). ++VER (Z038) FMID (CNM4G00) PRE (LU02191 LU03135 SO09059 SO10316 SO14533) SUP (LT03067)

Service	Details
LU03135	LU03135 M.C.S. ENTRIES = ++PTF (LU03135) PTF TRACKING ELEMENT LEVEL SET DESCRIPTION: This PTF will enable you to use a feature in SYSVIEW called Product PTF Analysis. This PTF delivers an element that contains metadata for all published PTFs for SYSVIEW. Any subsequent PTF published after this PTF will contain its own PTF tracking element metadata. What is Product PTF Analysis? Product PTF Analysis combines PTF tracking elements from your run-time XML library with maintenance data found in your product SMP/E installation CSI library. Product PTF Analysis provides the ability to: * Determine the PTFs and APARs currently applied. * View detailed descriptions of published PTFs. * Using the Cross System component, you are able to compare the PTFs applied on each LPAR. * Detailed SYSMOD information can be viewed from the SMP/E CSI data set used during installation and maintenance. Product PTF Analysis shows this information for all Broadcom Mainframe products that have the necessary XML data available. Please note that not every product will update XML data for all prior and new fixes at the same time. Consult each product's documentation for more information. How can I view Product PTF Analysis? SYSVIEW 16.0 Feature PTF LU03153 added a Product PTF Analysis feature that performs an analysis of product SMP/E CSIs and PTF tracking metadata. A PTFS command was added to SYSVIEW 16.0 with PTF LU03153 that performs the analysis. For more information, see the "New Features" page on the SYSVIEW Tech Docs Portal here: https://techdocs.broadcom.com/sysview PRODUCT(S) AFFECTED: SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 Related Problem: SYSVW 15044 Copyright (C) 2021 CA. All rights reserved. R00251-NM4160-SP0 DESC(PTF TRACKING ELEMENT LEVEL SET). ++VER (Z038) FMID (CNM4G00) SUP (LT03135)

Service	Details
LU03153	LU03153 M.C.S. ENTRIES = ++PTF (LU03153) NEW PRODUCT PTF ANALYSIS ENHANCEMENT DESCRIPTION: This feature PTF adds Product PTF Analysis. Product PTF Analysis combines PTF tracking elements from your run-time SYSVIEW XML library with maintenance data found in your product SMP/E installation CSI library. Additionally, Product PTF Analysis shows this information for all Broadcom Mainframe products that have the necessary XML data available. Please note that not every product will update XML data for all prior and new fixes at the same time. Consult each product's documentation for more information. Product PTF Analysis provides the ability to: * Determine the PTFs and APARs currently applied. * View detailed descriptions of published PTFs. * Using the Cross System component, you are able to compare the PTFs applied on each LPAR. * Detailed SYSMOD information can be viewed from the SMP/E CSI data set used during installation and maintenance. This feature PTF contains the following enhancements and changes: 1. New PTFS command. The PTFS command performs an analysis of PTFs that have been published and applied using SMP/E. Product PTF Analysis combines tracking elements from your run-time XML library with maintenance data found in your product SMP/E installation CSI library. By default, the SYSVIEW XML library data set name is populated in this command for analysis of SYSVIEW PTFs. To use this command to view Product PTF Analysis information for other Broadcom products, substitute that product's XML library and CSI data set name. The PTFS command was added to the SMPE menu. 2. Added SYSVIEW XMLLIB system configuration options. The following system configuration options were added to point the SYSVIEW runtime to a SYSVIEW XML library runtime concatenation: * Dsn-System-XMLLIB Specifies the data set name of the XML library. Valid Values : Any valid data set name. Default Value : NOT.DEFINED.SYSVIEW.CNM4XML Sharing : Sharable with multiple SYSVIEW instances/systems. Security : All users must have read access to the data set. Concatenation : 1. user data set (if defined) 2. site data set (if defined) 3. system data set * Dsn-Site-XMLLIB Specifies the data set name of the site XML library. Valid Values : Any valid data set name. Default Value : None. Sharing : Sharable with multiple SYSVIEW instances/systems. Security : All users must have read access to the data set. Concatenation : 1. user data set (if defined) 2. site data set (if defined) 3. system data set Note: A SMP/E managed XML library (sysviewhlq.CNM4XML) existed prior to this PTF, however there was no requirement to create a runtime

Service	Details
	copy. After this PTF, it is strongly recommended to create a runtime copy of the SMP/E managed XML library, and regularly deploy the SMP/E library into the runtime when any SYSVIEW maintenance is applied. The runtime XML library should be specified on the Dsn-System-XMLLIB system configuration option. This will allow SYSVIEW to locate up-to-date PTF tracking information contained within the XML library for analysis on the PTFS command. 3. Added XMLLIB library caching option. The following parmlib option was added to control library caching for the XML library: * LibCache-Xmllib Specify whether members from the specific library type are cached. When a library member is cached, a subsequent read request for the same member does not require I/O or a data set to be allocated. The read request is satisfied from the cache. Valid Values : Yes - Cache library members. No - Do not cache library members. Default : No 4. Updated LIBCACHE command to show XMLLIB caching status. The LIBCACHE was updated with a new Xmllib information area field to indicate the library caching status of the XML library. 5. New XMLLIB command. The XMLLIB command was added to show the SYSVIEW XML library concatenation specified by the XMLLIB system configuration options. 6. Updated LIBS command with XMLLIB entries. The LIBS command was updated with XMLLIB entries to show the SYSVIEW XML library concatenation specified by the XMLLIB system configuration options. 7. Updated LIBVIEW command with new type parameters arguments. The LIBVIEW command was updated with the following type parameter arguments: * Type - * The * type parameter argument can be used to view the contents of any fully qualified data set. * Type - XMLLIB The XMLLIB type parameter argument can be used to view the contents of a SYSVIEW XML library member. 8. Updated DETAILS command with new XML parameter. The DETAILS command was updated with a XML parameter. The DETAILS XML command takes a specified XML input data set and prints the structures created by the z/OS XML System Service parser. PRODUCT(S) AFFECTED: SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 Related Problem: SYSVW 14167 Copyright (C) 2021 CA. All rights reserved. R00252-NM4160-SP0 DESC(NEW PRODUCT PTF ANALYSIS). ++VER (Z038) FMID (CNM4G00) PRE (LU00517 LU00548 LU00630 LU00849 LU00951 LU00958 LU01005 LU01064 LU01071 LU01709 LU01896 LU02000 LU02191 LU02534 LU02875 LU03135 SO09059 SO09589 SO10098 SO10197 SO10316 SO10497 SO10680 SO10853

Service	Details
	SO11028 SO11632 SO11642 SO11865 SO11875 SO12125 SO12721 SO12773 SO12816 SO12880 SO13240 SO13538 SO13989 SO14411 SO14533 SO14894 SO15081 SO15210 SO15546 SO16018 SO16035 SO16108 SO16292) SUP (LT03153 SO10143 SO10209 ST10143 ST10209) ++HOLD (LU03153) SYSTEM FMID(CNM4G00) REASON (ACTION) DATE (21294) COMMENT (+----------+----------+ | SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 | +----------+----------+ |SEQUENCE | After Apply | +----------+----------+ |PURPOSE | To implement the enhancement | +----------+----------+ |USERS | | |AFFECTED | All users of SYSVIEW | +----------+----------+ |KNOWLEDGE | | |REQUIRED | Product administration | +----------+----------+ |ACCESS | Product libraries | |REQUIRED | Ability to run SYSVIEW for CICS transactions | +----------+----------+ ********** * STEPS TO PERFORM * ********** This PTF requires that the security dataset be refreshed using the security conversion program, creation of a new run-time library, and configuration changes. 1. Apply the PTF. 2. Stop any CICS regions being monitored by SYSVIEW, or use the GSVT (terminate) transaction to stop SYSVIEW for CICS within each region. 3. Stop the SYSVIEW STCs, GSSA, and any user sessions. 4. Create a run-time SYSVIEW XML library. The base installation of SYSVIEW creates a SMP/E managed SYSVIEW XML library. To fully take advantage of the Product PTF Analysis feature, create a run-time copy. For example, copy 'sysviewhlq.smpe.CNM4XML' to 'sysviewhlq.runtime.CNM4XML'. 5. Add the SYSVIEW XML library to your run-time deployment process, just as you would deploy the SYSVIEW load library. 6. Deploy the PTF to your run-time libraries. 7. Add the new System Configuration options for the SYSVIEW XML library to the *.CNM4SCFG library GSVXssid member: Dsn-System-XMLLIB sysviewhlq.runtime.CNM4XML Dsn-Site-XMLLIB None Set Dsn-System-XMLLIB to your run-time SYSVIEW XML library. Set Dsn-Site-XMLLIB to None since it is not yet being used. 8. Run Security Conversion JCL contained in CNM4BSAM member GSVUCSEC. 9. Start the SYSVIEW STCs, GSSA, and any user sessions. 10. Start any CICS regions being monitored by SYSVIEW, or use the GSVS (start) transaction to start SYSVIEW for CICS within each region.). ++HOLD (LU03153) SYSTEM FMID(CNM4G00)

Service	Details
	REASON (ENH) DATE (21294) COMMENT (+----------+----------+ | SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 | +----------+----------+ |SEQUENCE | After Apply | +----------+----------+ |PURPOSE | Describe the new features | +----------+----------+ |USERS | | |AFFECTED | All users of SYSVIEW | +----------+----------+ |KNOWLEDGE | | |REQUIRED | Product administration | +----------+----------+ |ACCESS | | |REQUIRED | Product libraries | +----------+----------+ ********** * STEPS TO PERFORM * ********** ENHANCEMENT DESCRIPTION: This feature PTF adds Product PTF Analysis. Product PTF Analysis combines PTF tracking elements from your run-time SYSVIEW XML library with maintenance data found in your product SMP/E installation CSI library. Additionally, Product PTF Analysis shows this information for all Broadcom Mainframe products that have the necessary XML data available. Please note that not every product will update XML data for all prior and new fixes at the same time. Consult each product's documentation for more information. Product PTF Analysis provides the ability to: * Determine the PTFs and APARs currently applied. * View detailed descriptions of published PTFs. * Using the Cross System component, you are able to compare the PTFs applied on each LPAR. * Detailed SYSMOD information can be viewed from the SMP/E CSI data set used during installation and maintenance. This feature PTF contains the following enhancements and changes: 1. New PTFS command. The PTFS command performs an analysis of PTFs that have been published and applied using SMP/E. Product PTF Analysis combines tracking elements from your run-time XML library with maintenance data found in your product SMP/E installation CSI library. By default, the SYSVIEW XML library data set name is populated in this command for analysis of SYSVIEW PTFs. To use this command to view Product PTF Analysis information for other Broadcom products, substitute that product's XML library and CSI data set name. The PTFS command was added to the SMPE menu. 2. Added SYSVIEW XMLLIB system configuration options. The following system configuration options were added to point the SYSVIEW runtime to a SYSVIEW XML library runtime concatenation: * Dsn-System-XMLLIB Specifies the data set name of the XML library.

Service	Details
	Valid Values : Any valid data set name. Default Value : NOT.DEFINED.SYSVIEW.CNM4XML Sharing : Sharable with multiple SYSVIEW instances/systems. Security : All users must have read access to the data set. Concatenation : 1. user data set (if defined) 2. site data set (if defined) 3. system data set * Dsn-Site-XMLLIB Specifies the data set name of the site XML library. Valid Values : Any valid data set name. Default Value : None. Sharing : Sharable with multiple SYSVIEW instances/systems. Security : All users must have read access to the data set. Concatenation : 1. user data set (if defined) 2. site data set (if defined) 3. system data set Note: A SMP/E managed XML library (sysviewhlq.CNM4XML) existed prior to this PTF, however there was no requirement to create a runtime copy. After this PTF, it is strongly recommended to create a runtime copy of the SMP/E managed XML library, and regularly deploy the SMP/E library into the runtime when any SYSVIEW maintenance is applied. The runtime XML library should be specified on the Dsn-System-XMLLIB system configuration option. This will allow SYSVIEW to locate up-to-date PTF tracking information contained within the XML library for analysis on the PTFS command. 3. Added XMLLIB library caching option. The following parmlib option was added to control library caching for the XML library: * LibCache-Xmllib Specify whether members from the specific library type are cached. When a library member is cached, a subsequent read request for the same member does not require I/O or a data set to be allocated. The read request is satisfied from the cache. Valid Values : Yes - Cache library members. No - Do not cache library members. Default : No 4. Updated LIBCACHE command to show XMLLIB caching status. The LIBCACHE was updated with a new Xmllib information area field to indicate the library caching status of the XML library. 5. New XMLLIB command. The XMLLIB command was added to show the SYSVIEW XML library concatenation specified by the XMLLIB system configuration options. 6. Updated LIBS command with XMLLIB entries. The LIBS command was updated with XMLLIB entries to show the SYSVIEW XML library concatenation specified by the XMLLIB system configuration options. 7. Updated LIBVIEW command with new type parameters arguments. The LIBVIEW command was updated with the following type parameter arguments: * Type - * The * type parameter argument can be used to view the contents of any fully qualified data set. * Type - XMLLIB The XMLLIB type parameter argument can be used to view the contents

Service	Details
	of a SYSVIEW XML library member. 8. Updated DETAILS command with new XML parameter. The DETAILS command was updated with a XML parameter. The DETAILS XML command takes a specified XML input data set and prints the structures created by the z/OS XML System Service parser. PRODUCT(S) AFFECTED: SYSVIEW PERFORMANCE MANAGEMENT Version 16.0).

Service	Details
LU03284	LU03284 M.C.S. ENTRIES = ++PTF (LU03284) IMSTRACE SOME FIELDS NOT BEING POPULATED FOR FASTPATH, BMP PROBLEM DESCRIPTION: When viewing IMSTRACE data, some fields were not being populated, or trace data was being shifted left. The HELP was also not correct for FASTPATH-ACTIVITY Event Data. SYMPTOMS: 1. For FASTPATH-ACTIVITY entries, the LTerm was not being filled in for all trace records. 2. The Userid field was not filled in on some trace entries coming from a BMP dependent region. 3. When formatting FASTPATH-ACTIVITY records, the EventData was documented to contain: Word1 = PCB flag. x'08' - MAIN-STORAGE DATA-BASE PCB x'04' - DATA-ENTRY DATA-BASE PCB x'02' - RESPONSE ALTERNATE PCB x'01' - I/O (MESSAGE) PCB Word2 = DBD name. Word3 = Call function. Word4 = Segment level. Word5 = Status code. Word6 = Segment name. Word7+= I/O area (48 bytes). The first word should be: Word1 = PCB type. MSDB_PCB - MAIN-STORAGE DATA-BASE PCB DEDB_PCB - DATA-ENTRY DATA-BASE PCB RESP_ALT_PCB - RESPONSE ALTERNATE PCB (MESSAGE) - I/O (MESSAGE) PCB Additionally, if the Segment Level, Status Code, or Segment Name were not filled in, the I/O Area data was being shifted to the left (making it start at Word4, Word5, or Word6 instead of Word7). IMPACT: Missing or incomplete data in the trace. CIRCUMVENTION: N/A PRODUCT(S) AFFECTED: SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 Related Problem: SYSVW 15126 Copyright (C) 2021 CA. All rights reserved. R00254-NM4160-SP0 DESC(IMSTRACE SOME FIELDS NOT BEING POPULATED FOR FASTPATH, BMP). ++VER (Z038) FMID (CNM4G00) PRE (LU02954 LU03135 SO14533 SO15210) SUP (LT03284) MCS LU02613 STARTS ON PAGE 0002 MCS LU02954 STARTS ON PAGE 0006 MCS LU02963 STARTS ON PAGE 0008 MCS LU02966 STARTS ON PAGE 0009 MCS LU03000 STARTS ON PAGE 0011

Service	Details		
	MCS	LU03030	STARTS ON PAGE 0012
	MCS	LU03050	STARTS ON PAGE 0013
	MCS	LU03067	STARTS ON PAGE 0014
	MCS	LU03135	STARTS ON PAGE 0016
	MCS	LU03153	STARTS ON PAGE 0021
	MCS	LU03284	STARTS ON PAGE 0031

Product Family	Product	Release
Systems Management	CA SYSVIEW PERFORMANCE MANAGEMENT	16.00.00

The CA RS 2111 Product/Component Count for this release is 1

CA RS Level	Service	FMID
CAR2111	LU03284	CNM4G00
	LU03153	CNM4G00
	LU03135	CNM4G00
	LU03067	CNM4G00
	LU03050	CNM4G00
	LU03030	CNM4G00
	LU03000	CNM4G00
	LU02966	CNM4G00
	LU02963	CNM4G00
	LU02954	CNM4G00
	LU02613	CNM4G00
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

CA RS Level	Service	FMID
	LU01095	CNM4G00
CAR2105	LU01112	CNM4G00
	LU01098	CNM4G00
	LU01071	CNM4G00
	LU01064	CNM4G00
	LU01050	CNM4G00
	LU01005	CNM4G00
	LU00958	CNM4G00
	LU00951	CNM4G00
	LU00933	CNM4G00
	LU00919	CNM4G00
	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	SO16310	CNM4G00
	LU00279	CNM4G00
CAR2102	SO16292	CNM4G00
	SO16215	CNM4G00
	SO16213	CNM4G00
	SO16162	CNM4G00
	SO16108	CNM4G00
	SO16069	CNM4G00
	SO16035	CNM4G00
	SO16034	CNM4G00
	SO14945	CNM4G00
CAR2101	SO16018	CNM4G00
	SO15790	CNM4G00
	SO13275	CNM4G00
CAR2012	SO15783	CNM4G00
	SO15746	CNM4G00
	SO15546	CNM4G00
	SO15518	CNM4G00
	SO15433	CNM4G00
	SO15374	CNM4G00

CA RS Level	Service	FMID
CAR2011	SO15474	CNM4G00
	SO15325	CNM4G00
	SO15274	CNM4G00
	SO15212	CNM4G00
	SO15210	CNM4G00
	SO15206	CNM4G00
	SO15081	CNM4G00
	SO15053	CNM4G00
	SO14964	CNM4G00
CAR2010	SO14985	CNM4G00
	SO14921	CNM4G00
	SO14894	CNM4G00
	SO14768	CNM4G00
	SO14761	CNM4G00
	SO14746	CNM4G00
	SO14740	CNM4G00
	SO14696	CNM4G00
CAR2009	SO14661	CNM4G00
	SO14653	CNM4G00
	SO14533	CNM4G00
	SO14487	CNM4G00
	SO14442	CNM4G00
	SO14411	CNM4G00
	SO14363	CNM4G00
	SO14361	CNM4G00
	SO14259	CNM4G00
	SO13364	CNM4G00
	SO13186	CNM4G00
CAR2008	SO14130	CNM4G00
	SO14092	CNM4G00
	SO14004	CNM4G00
	SO13996	CNM4G00
	SO13989	CNM4G00
	SO13984	CNM4G00
	SO13927	CNM4G00
	SO13792	CNM4G00
	SO13701	CNM4G00
	SO13485	CNM4G00
	SO13350	CNM4G00
	SO13268	CNM4G00
CAR2007	SO13782	CNM4G00
	SO13779	CNM4G00
	SO13751	CNM4G00
	SO13612	CNM4G00
	SO13538	CNM4G00
	SO13529	CNM4G00
	SO13408	CNM4G00

CA RS Level	Service	FMID
	SO13188	CNM4G00
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

CA RS Level	Service	FMID
CAR2001	SO11122	CNM4G00
	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

CA RS Level	Service	FMID
	SO08502	CNM4G00
	SO08485	CNM4G00
	SO08459	CNM4G00
	SO08228	CNM4G00