

ACF2 for z/OS 16.0
CA RS 2211 Service List

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Service	Description	Type
LU05465	R_DATA LIB CERTIFICATE PROCESSING IN SYSPLEX OR SHARED...	PTF
LU05961	SECURITY OR INTEGRITY PROBLEM	PTF
LU06571	DO NOT INSERT A PWPHRASE PROFILE RECORD ON A CHANGE COMMAND	PTF
LU06602	STORAGE LEAK OF 64BIT STORAGE FOR EVERY NEWXREF FOR X(ROL)	*HIP/PRP*
LU06664	CAS20E0E ICSF CSNDPKG SERVICE ERROR - RC=12 RSN=11016	PTF
LU06813	CANNOT START SECTRACE WITHOUT A LID DEFINED	PTF
LU07050	SOC4-3B SAFOEPSV +770 WHEN CALLED IN 64B MODE	PTF
LU07184	ABEND0C4 SAFCRCTS+ECC, ABEND0C4 ACFKRACC+3BAE R_DATA LIB	PTF
LU07319	INCREASE MAXIMUM KEYRING RECORD SIZE TO 16K	PTF
LU07343	IDENTITY TOKEN UPDATED WHEN USED ON A SAF VERIFY REQUEST	PTF
LU07444	SOC4 SAFO6MFA WHEN CALLED IN SYSTEM KEY NOT 0	PTF
LU07516	ABEND0C4-10 IN SAFOEACC +12FC AFTER LU05757	** PRP **
LU07555	OC4 IN REPORTS REPORT TRYING TO PROCESS TAMID DATA	** PRP **
LU07675	GETTING IKJ56709I IN VARIOUS PANELS ALLOCATING OUTPUT DSN	PTF
LU07685	SECURITY OR INTEGRITY PROBLEM	** PRP **
LU07784	NON-TERM DEFAULT KSRT LOSES SIGNED ON STATUS	PTF
LU07787	POSSIBLE STORAGE OVERLAY TAMZ USER UPDATING MAX RECORD	*HIP/PRP*
LU07804	ABEND SOC7 IN SAFAAFMT RUNNING SECTRACE ON Z/OS 2.5	PTF
The CA RS 2211 service count for this release is 18		

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CA RS 2211 Service List for CAX1G00

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FMID	Service	Description	Type
CAX1G00	LU05465	R_DATA LIB CERTIFICATE PROCESSING IN SYSPLEX OR SHARED...	PTF
	LU05961	SECURITY OR INTEGRITY PROBLEM	PTF
	LU06571	DO NOT INSERT A PWPHRASE PROFILE RECORD ON A CHANGE COMMAND	PTF
	LU06602	STORAGE LEAK OF 64BIT STORAGE FOR EVERY NEWXREF FOR X(ROL)	*HIP/PRP*
	LU06664	CAS20E0E ICSF CSNDPKG SERVICE ERROR - RC=12 RSN=11016	PTF
	LU06813	CANNOT START SECTRACE WITHOUT A LID DEFINED	PTF
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	LU07184	ABENDOC4 SAFCRCTS+ECC, ABENDOC4 ACFKRACC+3BAE R_DATA LIB	PTF
	LU07319	INCREASE MAXIMUM KEYRING RECORD SIZE TO 16K	PTF
	LU07343	IDENTITY TOKEN UPDATED WHEN USED ON A SAF VERIFY REQUEST	PTF
	LU07444	SOC4 SAFO6MFA WHEN CALLED IN SYSTEM KEY NOT 0	PTF
	LU07516	ABENDOC4-10 IN SAFOEACC +12FC AFTER LU05757	** PRP **
	LU07555	OC4 IN REPORTS REPORT TRYING TO PROCESS TAMID DATA	** PRP **
	LU07675	GETTING IKJ56709I IN VARIOUS PANELS ALLOCATING OUTPUT DSN	PTF
	LU07685	SECURITY OR INTEGRITY PROBLEM	** PRP **
	LU07787	POSSIBLE STORAGE OVERLAY TAMZ USER UPDATING MAX RECORD	*HIP/PRP*
	LU07804	ABEND SOC7 IN SAFAAFMT RUNNING SECTRACE ON Z/OS 2.5	PTF
The CA RS 2211 service count for this FMID is 17			

ACF2 for z/OS
CA RS 2211 Service List for CAX1G03

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FMID	Service	Description	Type
CAX1G03	LU07784	NON-TERM DEFAULT KSRT LOSES SIGNED ON STATUS	PTF
The CA RS 2211 service count for this FMID is 1			

Service	Details
LU05465	LU05465 M.C.S. ENTRIES = ++PTF (LU05465) REWORK(2022277) R_DATALIB CERTIFICATE PROCESSING IN SYSPLEX OR SHARED... PROBLEM DESCRIPTION: R_DATALIB certificate processing in SYSPLEX or Shared security product database environments. SYMPTOMS: There are two primary ways ACF2 users set PUSR, which directs the R_Datalib calls appropriately to retrieve certdata records. 1. If PUSR is set to be globally resident, we check for the existing certdata record in the directory. 2. If the PUSR directory is marked as transient, we retrieve the existing certdata record directly from the database. In Problem# 10392, we introduced incore tables as a first step to a proposed architectural enhancement, so we have a third way which is - 3. If PUSR is not set to be globally resident, we retrieve the existing data from incore tables. If we do not find the cert in the incore table, we will try to get it from the directory and if it is not there we will do the I/O to the database. Currently, for the first and third case, in a shared environment, when an existing certificate is updated, we require the users to issue "modify" commands to update the structure on each system. Since the introduction of the third way via Problem# 10392, for the second case, where PUSR is not in global storage, we would retrieve the certdata records from incore tables instead of the database. If the modify commands were not issued, R_Datalib calls gets the correct existing certdata locally, but retrieves an outdated version from the shared systems. For newly inserted certificates, we go directly to the database. This problem will allow users with a non global PUSR directory marked as transient (second case above), to go back to retrieving existing and new certificate data from databases instead of having to go through the incore tables, thus reducing manual dependency on "modify" commands. certificates to be read from Certificate table instead of database to reduce IO. This is causing R_datalib processing issues in a SYSPLEX enviroment. IMPACT: SSL/TLS connections fail for an application which retrieves the certificate from a remote system in the SYSPLEX which have yet to receive the "F ACF2,OMVS(CERTDATA)" command. CIRCUMVENTION: Issue F ACF2,OMVS(CERTDATA) on each of the remote systems. PRODUCT(S) AFFECTED: ACF2 for z/OS Version 16.0 Related Problem: ACF2MS 16742 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01032-ACF160 DESC(R_DATALIB CERTIFICATE PROCESSING IN SYSPLEX OR SHARED...). ++VER (Z038) FMID (CAX1G00) PRE (LU01734 LU03440 LU03622 LU04678 R086888 R089039 S016122) SUP (LT05453 LT05465) ++HOLD (LU05465) SYSTEM FMID(CAX1G00)

Service	Details
	REASON (DYNACT) DATE (22277) COMMENT (<pre> +-----+ ACF2 for z/OS Version 16.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE To implement without requiring an IPL. +-----+ USERS All Certificate users. AFFECTED +-----+ KNOWLEDGE SMPE REQUIRED ACF2 Operator Commands +-----+ ACCESS SMPE REQUIRED ACF2 Operator Commands +-----+ ***** * STEPS TO PERFORM * ***** 1. Deploy APAR 2. LLA REFRESH 3. Issue ACF2 NEWMOD for ACFKRACC; for example: "f acf2,newmod(ACFKRACC) "). </pre>

Service	Details																		
LU05961	LU05961 M.C.S. ENTRIES = ++PTF (LU05961) REWORK(2022283) SECURITY OR INTEGRITY PROBLEM PROBLEM DESCRIPTION: Security or Integrity Problem. For more details access Security Advisories using the following URL: support.broadcom.com/security-advisory/security-advisories-list.html Broadcom recommends that you subscribe to notifications for Security Advisories for the associated products that you support in your organization. Please use the following URL to register for proactive notifications: https://support.broadcom.com/user/notifications.html SYMPTOMS: N/A IMPACT: Security or Integrity Problem. CIRCUMVENTION: N/A PRODUCT(S) AFFECTED: ACF2 for z/OS Version 16.0 Related Problem: ACF2MS 17067 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01048-ACF160 DESC (SECURITY OR INTEGRITY PROBLEM). ++VER (Z038) FMID (CAX1G00) PRE (LU03622 LU05338 R081740 R087790 R096914 R097779 R097921 S006579 S007898 S011856 S014108 S014614 S014802 S016143) SUP (LT05961) ++HOLD (LU05961) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (22283) COMMENT (<table border="1"> <tr> <td>ACF2 for z/OS</td><td>Version 16.0</td></tr> <tr> <td>SEQUENCE</td><td>After Apply</td></tr> <tr> <td>PURPOSE</td><td>Activate change without IPL</td></tr> <tr> <td>USERS</td><td>All users</td></tr> <tr> <td>AFFECTED</td><td></td></tr> <tr> <td>KNOWLEDGE</td><td>Operator commands</td></tr> <tr> <td>REQUIRED</td><td></td></tr> <tr> <td>ACCESS</td><td>z/OS Operator console</td></tr> <tr> <td>REQUIRED</td><td></td></tr> </table> ***** * STEPS TO PERFORM * ***** 1. LLA Refresh	ACF2 for z/OS	Version 16.0	SEQUENCE	After Apply	PURPOSE	Activate change without IPL	USERS	All users	AFFECTED		KNOWLEDGE	Operator commands	REQUIRED		ACCESS	z/OS Operator console	REQUIRED	
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ACF2 for z/OS 16.0
CA RS 2211 - PTF LU05961 Details

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Service	Details
	2. F ACF2,NEWMOD (ACF00SVA)).

Service	Details
LU06571	LU06571 M.C.S. ENTRIES = ++PTF (LU06571) REWORK(2022284) DO NOT INSERT A PWPHRASE PROFILE RECORD ON A CHANGE COMMAND PROBLEM DESCRIPTION: Currently there are 23 PUSR profile record associated with a user. We allow a site to insert all of the PUSR profile records records even if the matching logonid for these records does not exist. We do not allow a change to be done to any of these PUSR records if they do not exist, except PWPHRASE when in either ACF mode or LID mode. If we get a change command to a field in the PWPHRASE profile record and the PUSR profile does not already exist we will insert a new PWPHRASE record with whatever fields were on the change command. It has been decided to keep the command associated with these records to all work the same. Therefore this fix will remove the ability to get a new PWPHRASE record inserted on a change command. This will also correct a problem where a LIST of the PUSR PWPHRASE record does not display the PWP-MAXD field after applying fix LU05337. SYMPTOMS: PUUSR PWPHRASE record gets inserted on a change command when it does not exist. IMPACT: User will now get a message that the record does not exist when attempting to change a PUSR PWPHRASE record that does not exist. CIRCUMVENTION: None PRODUCT(S) AFFECTED: ACF2 for z/OS Version 16.0 Related Problem: ACF2MS 17735 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01061-ACF160 DESC(DO NOT INSERT A PWPHRASE PROFILE RECORD ON A CHANGE COMMAND). ++VER (Z038) FMID (CAX1G00) PRE (LU01074 LU03622 LU04693 LU04715 LU05338 R084877 R084952 R089501 R091169 R092884 R095905 R096914 R098208 S003900 S006214 S006579 S008589 S011443 S013143 S014614 S014735 S016143 S016293) SUP (AR92884 LT06571 S000214 S003867 S007950 ST00214 ST03867 ST07950) ++HOLD (LU06571) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (22284) COMMENT (+-----+ ACF2 for z/OS Version 16.0 +-----+ SEQUENCE After Apply +-----+

Service	Details
	PURPOSE Activate change without IPL +-----+-----+ USERS All users AFFECTED +-----+-----+ KNOWLEDGE Operator commands REQUIRED +-----+-----+ ACCESS z/OS Operator console REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** 1. F LLA,REFRESH 2. F ACF2,NEWMOD(ACF00SVA)) .

Service	Details
LU06602	LU06602 M.C.S. ENTRIES = ++PTF (LU06602) REWORK(2022283) STORAGE LEAK OF 64BIT STORAGE FOR EVERY NEWXREF FOR X(ROL) PROBLEM DESCRIPTION: For every F ACF2,NEWXREF,T(ROL) that is issued, we are orphaning at least 1 meg of common 64bit storage. When the NEWXREF modify command is issued, we will rebuild the internal structures for the current sysid and any sysid listed in the GSO OPTS ROLESYS field. This field lists alternate sysids to be used to build XROL structures for these sysids in addition to the current sysid. We will orphan 1 meg of storage for the current sysid and 1 meg for each sysid listed in the ROLESYS field. SYMPTOMS: Storage leak in 64bit storage IMPACT: May impact 64bit storage usage. CIRCUMVENTION: None PRODUCT(S) AFFECTED: ACF2 for z/OS Version 16.0 Related Problem: ACF2MS 17758 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01063-ACF160 DESC(STORAGE LEAK OF 64BIT STORAGE FOR EVERY NEWXREF FOR X(ROL)). ++VER (Z038) FMID (CAX1G00) PRE (LU00294 LU03622 LU04673 S016145) SUP (BS16145 LT06602) ++HOLD (LU06602) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (22283) COMMENT (ACF2 for z/OS Version 16.0 SEQUENCE After Apply PURPOSE Activate change without IPL USERS All users AFFECTED KNOWLEDGE Operator commands REQUIRED ACCESS z/OS Operator console REQUIRED ***** * STEPS TO PERFORM * ***** 1. F LLA,REFRESH *** NOTE ***

Service	Details
	It will take an IPL to clean up any of the orphaned storage that may have happened prior to applying this fix.).

Service	Details		
LU06664	LU06664 M.C.S. ENTRIES = ++PTF (LU06664) REWORK(2022283) CAS20E0E ICSF CSNDPKG SERVICE ERROR - RC=12 RSN=11016 PROBLEM DESCRIPTION: Message CAS20E0E ICSF CSNDPKG service error - RC=12 RSN=11016 when GENCERTing a certificate using PCICC on z/OS 2.3 and above if ECC master key not defined. SYMPTOMS: Message CAS20E0E ICSF CSNDPKG service error - RC=12 RSN=11016 on GENCERT command IMPACT: Unable to gencert a certificate using PCICC keyword CIRCUMVENTION: None PRODUCT(S) AFFECTED: ACF2 for z/OS Version 16.0 Related Problem: ACF2MS 17807 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01064-ACF160 DESC(CAS20E0E ICSF CSNDPKG SERVICE ERROR - RC=12 RSN=11016). ++VER (Z038) FMID (CAX1G00) PRE (LU01752 LU03622 S013143 S016122) SUP (LT04584 LT06664 LU04584 R087944 R095168 S008263 ST08263 TR87944 TR95168) ++HOLD (LU06664) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (22283) COMMENT (<table border="1"> <tr> <td>ACF2 for z/OS</td><td>Version 16.0</td></tr> </table> SEQUENCE After Apply PURPOSE Activate change without IPL USERS All users AFFECTED KNOWLEDGE Operator commands REQUIRED ACCESS z/OS Operator console REQUIRED ***** * STEPS TO PERFORM * ***** 1. F LLA,REFRESH 2. F ACF2,NEWMOD(SAFCRCSF)).	ACF2 for z/OS	Version 16.0
ACF2 for z/OS	Version 16.0		

Service	Details		
LU06813	LU06813 M.C.S. ENTRIES = ++PTF (LU06813) REWORK(2022284) CANNOT START SECTRACE WITHOUT A LID DEFINED PROBLEM DESCRIPTION: Cannot start up a SECTRACE if there is no logonid defined for either SECTRACE or the STC default. Another symptom is a restart of the catalog address space cannot be done if there is no logonid defined for CATALOG or the DFTSTC lid in the GSO OPTS record. SYMPTOMS: ACF01004 LOGONID SECTRACE NOT FOUND IEE296I SECTRACE FAILED BY SECURITY INTERFACE. RC=00000004 RSN=00000000 SAFRC=00000008 CAS2108I SECTRACE address space has terminated Restart of the catalog address space hangs IMPACT: Cannot start up a SECTRACE or restart Catalog CIRCUMVENTION: Define a logonid for SECTRACE or CATALOG PRODUCT(S) AFFECTED: ACF2 for z/OS Version 16.0 Related Problem: ACF2MS 17853 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01065-ACF160 DESC (CANNOT START SECTRACE WITHOUT A LID DEFINED) . ++VER (Z038) FMID (CAX1G00) PRE (LU01752 LU03622 R080625 R084877 R084952 R089602 R092884 R095218 S010329 S014852) SUP (AC87799 LT06438 LT06813 LU06438 R087685 R097246 S005485 S005771 S010295 S013513 S016264 ST05485 ST05771 ST10295 ST13513 ST16264 TR87685 TR97246) ++HOLD (LU06813) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (22284) COMMENT (<table border="1"> <tr> <td colspan="2">+-----+ ACF2 for z/OS Version 16.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Activate change without IPL +-----+ USERS All users AFFECTED +-----+ KNOWLEDGE Operator commands REQUIRED +-----+ ACCESS z/OS Operator console REQUIRED +-----+ +-----+ *****</td></tr> </table>	+-----+ ACF2 for z/OS Version 16.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Activate change without IPL +-----+ USERS All users AFFECTED +-----+ KNOWLEDGE Operator commands REQUIRED +-----+ ACCESS z/OS Operator console REQUIRED +-----+ +-----+ *****	
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Service	Details
	<pre>* STEPS TO PERFORM * ***** 1. F LLA,REFRESH 2. F ACF2,NEWMOD(ACF9C000)).</pre>

Service	Details		
LU07050	LU07050 M.C.S. ENTRIES = ++PTF (LU07050) REWORK(2022284) SOC4-3B SAFOEPSV +770 WHEN CALLED IN 64B MODE PROBLEM DESCRIPTION: Abend SOC4-3B in SAFOEPSV at offset +770 after prior OC4 that was captured by ACF2 recovery. SYMPTOMS: Register 14 is bad due to being 64 bit address. The PSW address matches register 14. IMPACT: None CIRCUMVENTION: None PRODUCT(S) AFFECTED: ACF2 for z/OS Version 16.0 Related Problem: ACF2MS 16549 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01068-ACF160 DESC(SOC4-3B SAFOEPSV +770 WHEN CALLED IN 64B MODE) . ++VER (Z038) FMID (CAX1G00) PRE (LU01752 LU03622 LU04821 R095082 S005219 S016122) SUP (LT07050 R089116 TR89116) ++HOLD (LU07050) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (22284) COMMENT (<table border="1"> <tr> <td>ACF2 for z/OS</td><td>Version 16.0</td></tr> </table> SEQUENCE After Apply PURPOSE Activate change without IPL USERS All users AFFECTED KNOWLEDGE Operator commands REQUIRED ACCESS z/OS Operator console REQUIRED ***** * STEPS TO PERFORM * ***** 1. F LLA,REFRESH 2. F ACF2,NEWMOD(SAFOEDRV)).	ACF2 for z/OS	Version 16.0
ACF2 for z/OS	Version 16.0		

Service	Details																		
LU07184	LU07184 M.C.S. ENTRIES = ++PTF (LU07184) REWORK(2022304) ABEND0C4 SAFCRCTS+ECC, ABEND0C4 ACFKRACC+3BAE R_DATALIB PROBLEM DESCRIPTION: SOC4 SAFCRCTS+ECC when calling R_datalib with ALLCA set on the keyring SOC4 ACFKRACC+3BAC when calling R_datalib with CACHAIN set on the keyring and a certificate connected to the keyring callnot be found SYMPTOMS: Abend0C4 in either module IMPACT: R_datalib call fails CIRCUMVENTION: Connect all required certificates to the key ring. Remove any certificate with a "broken" pointer (Certificate no longer exists) PRODUCT(S) AFFECTED: ACF2 for z/OS Version 16.0 Related Problem: ACF2MS 18193 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01069-ACF160 DESC(ABEND0C4 SAFCRCTS+ECC, ABEND0C4 ACFKRACC+3BAE R_DATALIB). ++VER (Z038) FMID (CAX1G00) PRE (LU01734 LU03622 LU04678 R086888 R089039 R095082 S005219 S016122) SUP (AL01734 LT03440 LT05453 LT05465 LT07184 LU03440 LU05465 S006531 ST06531) ++HOLD (LU07184) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (22304) COMMENT (<table border="1"> <tr> <td>ACF2 for z/OS</td><td>Version 16.0</td></tr> <tr> <td>SEQUENCE</td><td>After Apply</td></tr> <tr> <td>PURPOSE</td><td>Activate change without IPL</td></tr> <tr> <td>USERS</td><td>All users</td></tr> <tr> <td>AFFECTED</td><td></td></tr> <tr> <td>KNOWLEDGE</td><td>Operator commands</td></tr> <tr> <td>REQUIRED</td><td></td></tr> <tr> <td>ACCESS</td><td>z/OS Operator console</td></tr> <tr> <td>REQUIRED</td><td></td></tr> </table> ***** * STEPS TO PERFORM * ***** 1. F LLA,REFRESH 2. F ACF2,NEWMOD(SAFCRCTS) 3. F ACF2,NEWMOD(ACFKRACC)).	ACF2 for z/OS	Version 16.0	SEQUENCE	After Apply	PURPOSE	Activate change without IPL	USERS	All users	AFFECTED		KNOWLEDGE	Operator commands	REQUIRED		ACCESS	z/OS Operator console	REQUIRED	
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Service	Details																																
LU07319	LU07319 M.C.S. ENTRIES = ++PTF (LU07319) REWORK(2022297) INCREASE MAXIMUM KEYRING RECORD SIZE TO 16K PROBLEM DESCRIPTION: When rulelong is set, some infostg records can be larger than 4K The maximum record size can be up to the size of the infostg database or 16K. We will now allow KEYRING records to have a maximum length of 16K. SYMPTOMS: Connect keyring(keyring.recid) cert(cert.recid) ACF0A016 DATA TOO LARGE - UPDATE OR INSERT REJECTED IMPACT: Unable to connect more certificates to key ring. CIRCUMVENTION: Possibly specify CACHAIN on the key ring or specify ALLCA on the key ring. PRODUCT(S) AFFECTED: ACF2 for z/OS Version 16.0 Related Problem: ACF2MS 18293 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01072-ACF160 DESC(INCREASE MAXIMUM KEYRING RECORD SIZE TO 16K). ++VER (Z038) FMID (CAX1G00) PRE (LU01074 LU03622 LU04693 LU04715 LU05338 R084877 R084952 R089501 R091169 R092884 R095905 R096914 R098208 S003900 S006214 S006579 S008589 S011443 S013143 S014614 S014735 S016143 S016293) SUP (AR92884 LT06571 LT07319 LU06571 S000214 S003867 S007950 ST00214 ST03867 ST07950) ++HOLD (LU07319) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (22297) COMMENT (<table border="1"> <tr> <td colspan="2">+-----+-----+</td> </tr> <tr> <td> ACF2 for z/OS</td> <td> Version 16.0 </td> </tr> <tr> <td colspan="2">+-----+-----+</td> </tr> <tr> <td> SEQUENCE After Apply</td> <td> </td> </tr> <tr> <td colspan="2">+-----+-----+</td> </tr> <tr> <td> PURPOSE Activate change without IPL</td> <td> </td> </tr> <tr> <td colspan="2">+-----+-----+</td> </tr> <tr> <td> USERS All users</td> <td> </td> </tr> <tr> <td> AFFECTED </td> <td> </td> </tr> <tr> <td colspan="2">+-----+-----+</td> </tr> <tr> <td> KNOWLEDGE Operator commands</td> <td> </td> </tr> <tr> <td> REQUIRED </td> <td> </td> </tr> <tr> <td colspan="2">+-----+-----+</td> </tr> <tr> <td> ACCESS z/OS Operator console</td> <td> </td> </tr> <tr> <td> REQUIRED </td> <td> </td> </tr> <tr> <td colspan="2">+-----+-----+</td> </tr> </table> ***** * STEPS TO PERFORM * *****	+-----+-----+		ACF2 for z/OS	Version 16.0	+-----+-----+		SEQUENCE After Apply		+-----+-----+		PURPOSE Activate change without IPL		+-----+-----+		USERS All users		AFFECTED		+-----+-----+		KNOWLEDGE Operator commands		REQUIRED		+-----+-----+		ACCESS z/OS Operator console		REQUIRED		+-----+-----+	
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	1. LLA Refresh 2. F ACF2,NEWMOD (ACF00SVA)) .

Service	Details																		
LU07343	LU07343 M.C.S. ENTRIES = ++PTF (LU07343) REWORK(2022297) IDENTITY TOKEN UPDATED WHEN USED ON A SAF VERIFY REQUEST PROBLEM DESCRIPTION: When an Identity Token is passed in on a SAF VERIFY request to be used for access validation, we should not be updating the token if the claims in the token remain the same. We are currently passing back the same information in the token, just in a different order in the token. SYMPTOMS: The only symptom that can be seen is if you decipher the token passed in on the SAF VERIFY request and the token passed back it can be seen the information is the same just in a different order. IMPACT: None CIRCUMVENTION: None PRODUCT(S) AFFECTED: ACF2 for z/OS Version 16.0 Related Problem: ACF2MS 18308 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01073-ACF160 DESC(IDENTITY TOKEN UPDATED WHEN USED ON A SAF VERIFY REQUEST). ++VER (Z038) FMID (CAX1G00) PRE (LU02479 LU03622 LU05334 LU05336 LU05337 LU05513 R080625 R084877 R084952 R089360 R091120 R092400 R092884 R095203 R095460 R095461 R097094 R097388 R097777 R097779 R099159 R099164 S001422 S001518 S001559 S001563 S001728 S003886 S003889 S005486 S006686 S007040 S007042 S009545 S010329 S011443 S013143 S014852 S016044) SUP (AC05339 AL02479 AR97779 AS01563 AS03889 AS07042 AS11443 BS07042 LT01453 LT05160 LT05330 LT05774 LT07343 LU01453 LU05160 LU05330 LU05774 OC87799 RC87799 R091396 R095192 R097073 R097763 S000374 S000474 S001064 S005045 S005420 S005787 S007724 S009547 S010255 S012328 S013141 S013142 S014547 S014762 S015259 ST00374 ST00474 ST01064 ST05045 ST05420 ST05787 ST07724 ST09547 ST10255 ST12086 ST12328 ST12985 ST12992 ST13059 ST13141 ST13142 ST14547 ST14762 ST15259 TR91396 TR95192 TR97073 TR97763 XC87799) ++HOLD (LU07343) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (22297) COMMENT (<table border="1"> <tr> <td colspan="2">+-----+</td> </tr> <tr> <td> ACF2 for z/OS</td> <td> Version 16.0</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> Activate change without IPL</td> </tr> <tr> <td colspan="2">+-----+</td> </tr> <tr> <td> USERS</td> <td> All users</td> </tr> <tr> <td> AFFECTED</td> <td> </td> </tr> </table>	+-----+		ACF2 for z/OS	Version 16.0	+-----+		SEQUENCE	After Apply	+-----+		PURPOSE	Activate change without IPL	+-----+		USERS	All users	AFFECTED	
+-----+																			
ACF2 for z/OS	Version 16.0																		
+-----+																			
SEQUENCE	After Apply																		
+-----+																			
PURPOSE	Activate change without IPL																		
+-----+																			
USERS	All users																		
AFFECTED																			

Service	Details
	<pre> +-----+-----+ KNOWLEDGE Operator commands REQUIRED +-----+-----+ ACCESS z/OS Operator console REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** 1. LLA Refresh 2. F ACF2,NEWMOD (ACF00SVA)). </pre>

Service	Details		
LU07444	LU07444 M.C.S. ENTRIES = ++PTF (LU07444) REWORK(2022304) SOC4 SAFO6MFA WHEN CALLED IN SYSTEM KEY NOT 0 PROBLEM DESCRIPTION: SOC4 SAFO6MFA when R_factor called in non-0 system key. SYMPTOMS: R_factor callable service fails. IMPACT: Multi-factor authentication fails CIRCUMVENTION: None PRODUCT(S) AFFECTED: ACF2 for z/OS Version 16.0 Related Problem: ACF2MS 18394 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01074-ACF160 DESC(SOC4 SAFO6MFA WHEN CALLED IN SYSTEM KEY NOT 0). ++VER (Z038) FMID (CAX1G00) PRE (LU00711 LU02479 LU03622 LU05560 R089039 R092884 R094599 R095218 R099159 R099164 R099742 S011443 S013143 S013978 S016058 S016148) SUP (LT01267 LT07444 LU01267 R093881 R096443 R099493 TR93881 TR96443 TR98868 TR99493) ++HOLD (LU07444) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (22304) COMMENT (<table border="1"> <tr> <td>ACF2 for z/OS</td><td>Version 16.0</td></tr> </table> SEQUENCE After Apply PURPOSE Activate change without IPL USERS All users AFFECTED KNOWLEDGE Operator commands REQUIRED ACCESS z/OS Operator console REQUIRED ***** * STEPS TO PERFORM * ***** 1. LLA Refresh 2. F ACF2,NEWMOD(SAFOEDRV) 3. F ACF2,NEWMOD(SAFO6TRC) 4. F ACF2,NEWMOD(SAFRT00E)).	ACF2 for z/OS	Version 16.0
ACF2 for z/OS	Version 16.0		

Service	Details																		
LU07516	LU07516 M.C.S. ENTRIES = ++PTF (LU07516) REWORK(2022304) ABENDOC4-10 IN SAFOEACC +12FC AFTER LU05757 PROBLEM DESCRIPTION: When no file name is passed in the CRED control block, during the build of the LOG STRING information attached to the RACROUTE macro, a SOC4-10 can occur due to R7 being corrupt. This can occur after application of LU05757 when a Virtual File Server (VFS) performs a ZFS v_access() call in cross memory mode. SYMPTOMS: ABENDOC4 RC10 SAFOEACC at PTF LU05757 level. The scenario for no file name being present in the CRED control block is when a Virtual File Server (VFS) is performing an access check via the VFS Callable Service v_access() call from a server program. IMPACT: The task will abend. If a file name is present in the passed CRED control block, there will be no abend. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: ACF2 for z/OS Version 16.0 Related Problem: ACF2MS 17717 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01076-ACF160 DESC (ABENDOC4-10 IN SAFOEACC +12FC AFTER LU05757). ++VER (Z038) FMID (CAX1G00) PRE (LU02644 LU03622 LU05757 R084556 R084559 R088717 R091913 R092884 R095218 S006579 S016143) SUP (AL05757 LT02314 LT06180 LT07516 R095586 TR95586) ++HOLD (LU07516) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (22304) COMMENT (<table border="1"> <tr> <td>ACF2 for z/OS</td><td>Version 16.0</td></tr> <tr> <td>SEQUENCE</td><td>After Apply</td></tr> <tr> <td>PURPOSE</td><td>Activate change without IPL</td></tr> <tr> <td>USERS</td><td>All users</td></tr> <tr> <td>AFFECTED</td><td></td></tr> <tr> <td>KNOWLEDGE</td><td>Operator commands</td></tr> <tr> <td>REQUIRED</td><td></td></tr> <tr> <td>ACCESS</td><td>z/OS Operator console</td></tr> <tr> <td>REQUIRED</td><td></td></tr> </table> ***** * STEPS TO PERFORM * *****	ACF2 for z/OS	Version 16.0	SEQUENCE	After Apply	PURPOSE	Activate change without IPL	USERS	All users	AFFECTED		KNOWLEDGE	Operator commands	REQUIRED		ACCESS	z/OS Operator console	REQUIRED	
ACF2 for z/OS	Version 16.0																		
SEQUENCE	After Apply																		
PURPOSE	Activate change without IPL																		
USERS	All users																		
AFFECTED																			
KNOWLEDGE	Operator commands																		
REQUIRED																			
ACCESS	z/OS Operator console																		
REQUIRED																			

Service	Details
	1. LLA Refresh 2. F ACF2,NEWMOD(SAFOEDRV) . .

Service	Details
LU07555	LU07555 M.C.S. ENTRIES = ++PTF (LU07555) REWORK(2022304) OC4 IN REPORTS REPORT TRYING TO PROCESS TAMID DATA PROBLEM DESCRIPTION: There is a possibility of getting either an abend in a report or garbage listed for the TAMID in the report output. The problem can occur if a site runs with a version of the following reports from either LU04693 or LU05338. ACFRPTDS ACFRPTEL ACFRPTRL ACFRPTLL ACFRPTRV ACFRPTTZ In addition to running one of these versions of the report, a site has to be using TAMz and have logging records in the input SMF data. The SMF record has to be cut from a system that is at a maintenance level prior to LU04693 and after R099162. SYMPTOMS: Either an abend in one of these reports trying to process an older record looking for a TAMID. Or garbage in the output in place of a TAMID. IMPACT: Cannot run the version of the report against those older smf records. CIRCUMVENTION: A site could add a STEPLIB DD in the report batch job to a prior version of the report program. PRODUCT(S) AFFECTED: ACF2 for z/OS Version 16.0 Related Problem: ACF2MS 18467 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01078-ACF160 DESC(OC4 IN REPORTS REPORT TRYING TO PROCESS TAMID DATA). ++VER (Z038) FMID (CAX1G00) PRE (LU03622 LU04693 LU05338 R088622 R091983 R095460 R096906 R099162 S004209 S006579 S007032 S007040 S010329 S016143 S016293) SUP (AL05338 LT07555 S008196 S012720 ST08196 ST12720) ++HOLD (LU07555) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (22304) COMMENT (-----+ ACF2 for z/OS Version 16.0 -----+ SEQUENCE After Apply -----+ PURPOSE Activate change without IPL -----+ USERS All users -----+ AFFECTED -----+

Service	Details
	<pre> +-----+-----+ KNOWLEDGE Operator commands REQUIRED +-----+-----+ ACCESS z/OS Operator console REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** 1. LLA Refresh) . </pre>

Service	Details
LU07675	LU07675 M.C.S. ENTRIES = ++PTF (LU07675) REWORK(2022297) GETTING IKJ56709I IN VARIOUS PANELS ALLOCATING OUTPUT DSN PROBLEM DESCRIPTION: The following panels will get an IKJ56709I message trying to allocate the output dataset for the report. ACFRPTDS ACFRPTEL ACFRPTLL ACFRPTNV ACFRPTRL ACFRPTRV SYMPTOMS: IKJ56709I INVALID DATA SET NAME, ACF2.ACFRPT... IMPACT: Cannot run the report through the panels. CIRCUMVENTION: None PRODUCT(S) AFFECTED: ACF2 for z/OS Version 16.0 Related Problem: ACF2MS 18560 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01079-ACF160 DESC(GETTING IKJ56709I IN VARIOUS PANELS ALLOCATING OUTPUT DSN). ++VER (Z038) FMID (CAX1G00) PRE (LU03622 LU04693 R099162 S006579) SUP (LT07241 LT07675 LU07241)

Service	Details	
LU07685	LU07685 M.C.S. ENTRIES = ++PTF (LU07685) REWORK(2022284)	
	SECURITY OR INTEGRITY PROBLEM	
	PROBLEM DESCRIPTION:	
	Security or Integrity Problem.	
	For more details access Security Advisories using the following URL:	
	support.broadcom.com/security-advisory/security-advisories-list.html	
	Broadcom recommends that you subscribe to notifications for Security	
	Advisories for the associated products that you support in your	
	organization. Please use the following URL to register for proactive	
	notifications: https://support.broadcom.com/user/notifications.html	
	SYMPTOMS:	
	N/A	
	IMPACT:	
	Security or Integrity Problem.	
	CIRCUMVENTION:	
	N/A	
	PRODUCT(S) AFFECTED:	
	ACF2 for z/OS	Version 16.0
	Related Problem:	
	ACF2MS 18569	
	(C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved	
	R01080-ACF160	
	DESC(SECURITY OR INTEGRITY PROBLEM) .	
	++VER (Z038)	
	FMID (CAX1G00)	
	PRE (LU03622 LU05338 R081740 R087790 R096914 R097779 R097921	
	S006579 S007898 S011856 S014108 S014614 S014802 S016143)	
	SUP (AC07684 LT05961 LT07685 LU05961)	
	++HOLD (LU07685) SYSTEM FMID(CAX1G00)	
	REASON (DYNACT) DATE (22284)	
	COMMENT (	
	+-----	

Service	Details
	2. F ACF2,NEWMOD (ACF00SVA)).

Service	Details	
LU07784	LU07784 M.C.S. ENTRIES = ++PTF (LU07784) REWORK(2022304)	
	NON-TERM DEFAULT KSRT LOSES SIGNED ON STATUS	
	PROBLEM DESCRIPTION:	
	When CICS determines that a non-terminal task should run under 'the default' LID, and ACF2 overrides that with the non-terminal default, CICS' end-of-task USAD Signoff for 'the default' may be processed against the current task, which is actually still assigned the non-terminal default. This may cause the KSRT for the non-terminal default to lose its 'signed-on' status, thus preventing any MRO inheritance from that non-terminal default user.	
	SYMPTOMS:	
	Remote task runs under MRO default	
	IMPACT:	
	Depends on application	
	CIRCUMVENTION:	
	None	
	PRODUCT(S) AFFECTED:	
	ACF2 for z/OS	Version 16.0
	Related Problem:	
	ACF2MS 18632	
	(C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved	
	R01081-ACF160	
	DESC(NON-TERM DEFAULT KSRT LOSES SIGNED ON STATUS).	
	++VER (Z038)	
	FMID (CAX1G03)	
	PRE (LU02543 LU03625 LU06008 R085868 R096422 R096890 S004012	
	S007136 S009400 S009833)	
	SUP (LT07784)	
	++HOLD (LU07784) SYSTEM FMID(CAX1G03)	
	REASON (DYNACT) DATE (22304)	
	COMMENT (	
	+-----+-----+	
	ACF2 for z/OS	Version 16.0
	+-----+-----+	
	SEQUENCE	After Apply
	+-----+-----+	
	PURPOSE	Enable new code
	+-----+-----+	
	USERS	All users
	AFFECTED	
	+-----+-----+	
	KNOWLEDGE	CICS regions
	REQUIRED	
	+-----+-----+	
	ACCESS	CICS regions
	REQUIRED	
	+-----+-----+	

	* STEPS TO PERFORM *	

	1. LLA Refresh (if applicable)	

Service	Details
	2. ACFE=NEWC=CAKSRDxx Where xx = 74 for CTS 6.1 73 for CTS 5.6 72 for CTS 5.5 71 for CTS 5.4) .

Service	Details
LU07787	LU07787 M.C.S. ENTRIES = ++PTF (LU07787) REWORK(2022304) POSSIBLE STORAGE OVERLAY TAMZ USER UPDATING MAX RECORD PROBLEM DESCRIPTION: There is a possibility of either an OC4 abend or storage overlay when attempting to modify either a LOGONID or INFO-STG record. The overlay/abend is possible when an elevated user is either updating a LOGONID or INFO-STG record. The update of the record has to be allowed by the elevation or the user has to be elevated and the site has the C(TAM) OPTIONS records set to LOGLEVEL(ALLTAMID). The only way the abend/overlay occurs is if the record being updated is the max size for the database record length. Meaning a site would have to have logonid definitions that would allow a LOGONID to be at the 4k size for the logonid update failure. The more likely abend would be trying to update an info-stg record that has hit its max size for the current database. The abend is due to us trying to add TAMz info to a variable section of the smf record incorrectly. We did not get an smf record big enough to hold the smf header, a max record, and then the TAMz info. SYMPTOMS: CCSR010E SVCARECV SOC4 at xxxxxxxx LMOD ACF00SVA CSECT ACF04RSC CCSR010E SVCARECV SOC4 at xxxxxxxx LMOD ACF00SVA CSECT ACFOAENT CCSR010E SVCARECV SOC4 at xxxxxxxx LMOD ACF00SVA CSECT ACF02ALT IMPACT: Cannot insert/alter infostg records or logonids. CIRCUMVENTION: None PRODUCT(S) AFFECTED: ACF2 for z/OS Version 16.0 Related Problem: ACF2MS 18640 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01082-ACF160 DESC(POSSIBLE STORAGE OVERLAY TAMZ USER UPDATING MAX RECORD) . ++VER (Z038) FMID (CAX1G00) PRE (LU01074 LU03622 LU04693 LU04715 LU05338 R081740 R084877 R084952 R087790 R089501 R091169 R092884 R095461 R095905 R096905 R096914 R097388 R097779 R097921 R098208 S001728 S003886 S003900 S006579 S006672 S007898 S008589 S011443 S011856 S013143 S014108 S014614 S014735 S014802 S016143 S016293) SUP (AC07684 AC07905 AR92884 LT02167 LT05961 LT06571 LT07319 LT07685 LT07787 LU02167 LU05961 LU06571 LU07319 LU07685 R098633 S000214 S003867 S004064 S006214 S007950 S010846 ST00214 ST03867 ST04064 ST06214 ST07950 ST10846 TR98306 TR98633) ++HOLD (LU07787) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (22304) COMMENT (+-----+ ACF2 for z/OS Version 16.0 +-----+

Service	Details
	SEQUENCE After Apply
	+-----+-----+
	PURPOSE Activate change without IPL
	+-----+-----+
	USERS All users
	AFFECTED
	+-----+-----+
	KNOWLEDGE Operator commands
	REQUIRED
	+-----+-----+
	ACCESS z/OS Operator console
	REQUIRED
	+-----+-----+

	* STEPS TO PERFORM *

	1. LLA Refresh
	2. F ACF2,NEWMOD (ACF00SVA)
	). .

Service	Details																		
LU07804	LU07804 M.C.S. ENTRIES = ++PTF (LU07804) REWORK(2022297) ABEND SOC7 IN SAFAAFMT RUNNING SECTRACE ON Z/OS 2.5 PROBLEM DESCRIPTION: An OC7 abend will occur on a z/os 2.5 system if a site runs a SECTRACE and they are tracing a SAF REQUEST=DEFINE that has either EXPDT or EXPDTX as a parm of this SAF call. SYMPTOMS: SYSTEM COMPLETION CODE=OC7 REASON CODE=00000000 TIME=07.11.35 SEQ=00018 CPU=0000 ASID=002B IMPACT: Cannot sectrace DEFINE calls on a z/os 2.5 system CIRCUMVENTION: None PRODUCT(S) AFFECTED: ACF2 for z/OS Version 16.0 Related Problem: ACF2MS 18680 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01083-ACF160 DESC(ABEND SOC7 IN SAFAAFMT RUNNING SECTRACE ON Z/OS 2.5). ++VER (Z038) FMID (CAX1G00) PRE (LU01704 LU03622 S007704) SUP (LT07804 ST16221) ++HOLD (LU07804) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (22297) COMMENT (<table border="1"> <tr> <td>ACF2 for z/OS</td><td>Version 16.0</td></tr> <tr> <td>SEQUENCE</td><td>After Apply</td></tr> <tr> <td>PURPOSE</td><td>Activate change without IPL</td></tr> <tr> <td>USERS</td><td>All users</td></tr> <tr> <td>AFFECTED</td><td></td></tr> <tr> <td>KNOWLEDGE</td><td>Operator commands</td></tr> <tr> <td>REQUIRED</td><td></td></tr> <tr> <td>ACCESS</td><td>z/OS Operator console</td></tr> <tr> <td>REQUIRED</td><td></td></tr> </table> ***** * STEPS TO PERFORM * ***** 1. LLA Refresh 2. F ACF2,NEWMOD(SAFAAMAC)). MCS LU05465 STARTS ON PAGE 0002 MCS LU05961 STARTS ON PAGE 0003 MCS LU06571 STARTS ON PAGE 0005	ACF2 for z/OS	Version 16.0	SEQUENCE	After Apply	PURPOSE	Activate change without IPL	USERS	All users	AFFECTED		KNOWLEDGE	Operator commands	REQUIRED		ACCESS	z/OS Operator console	REQUIRED	
ACF2 for z/OS	Version 16.0																		
SEQUENCE	After Apply																		
PURPOSE	Activate change without IPL																		
USERS	All users																		
AFFECTED																			
KNOWLEDGE	Operator commands																		
REQUIRED																			
ACCESS	z/OS Operator console																		
REQUIRED																			

Service	Details		
	MCS	LU06602	STARTS ON PAGE 0006
	MCS	LU06664	STARTS ON PAGE 0008
	MCS	LU06813	STARTS ON PAGE 0009
	MCS	LU07050	STARTS ON PAGE 0011
	MCS	LU07184	STARTS ON PAGE 0012
	MCS	LU07319	STARTS ON PAGE 0013
	MCS	LU07343	STARTS ON PAGE 0015
	MCS	LU07444	STARTS ON PAGE 0017
	MCS	LU07516	STARTS ON PAGE 0018
	MCS	LU07555	STARTS ON PAGE 0019
	MCS	LU07675	STARTS ON PAGE 0021
	MCS	LU07685	STARTS ON PAGE 0022
	MCS	LU07784	STARTS ON PAGE 0023
	MCS	LU07787	STARTS ON PAGE 0025
	MCS	LU07804	STARTS ON PAGE 0027

ACF2 for z/OS 16.0
CA RS 2211 Product/Component Listing

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Product Family	Product	Release
Security	CA-ACF2-MVS	16.00.00
The CA RS 2211 Product/Component Count for this release is 1		

CA RS Level	Service	FMID
CAR2211	LU07804	CAX1G00
	LU07787	CAX1G00
	LU07784	CAX1G03
	LU07685	CAX1G00
	LU07675	CAX1G00
	LU07555	CAX1G00
	LU07516	CAX1G00
	LU07444	CAX1G00
	LU07343	CAX1G00
	LU07319	CAX1G00
	LU07184	CAX1G00
	LU07050	CAX1G00
	LU06813	CAX1G00
	LU06664	CAX1G00
	LU06602	CAX1G00
	LU06571	CAX1G00
	LU05961	CAX1G00
	LU05465	CAX1G00
CAR2210	LU07447	CAX1G00
	LU07274	CAX1G00
	LU07241	CAX1G00
	LU07003	CAX1G00
	LU06427	CAX1G00
	LU05372	CAX1G00
CAR2209	LU07031	CAX1G00
	LU06157	CAX1G00
	LU06008	CAX1G03
	LU05898	CAX1G03
	LU05805	CAX1G00
	LU05692	CAX1G00
	LU04821	CAX1G00
CAR2208	LU06582	CAX1G00
	LU06506	CAX1G00
	LU06470	CAX1G00
	LU06438	CAX1G00
	LU05774	CAX1G00
	LU05610	CAX1G00
	LU05308	CAX1G00
CAR2207	LU06315	CAX1G00
	LU06043	CAX1G00
	LU04828	CAX1G00
CAR2206	LU05940	CAX1G00
	LU05834	CAX1G00
	LU05760	CAX1G00
	LU05757	CAX1G00
	LU05560	CAX1G00
	LU05526	CAX1G00

CA RS Level	Service	FMID
	LU05525	CAX1G00
	LU05438	CAX1G00
	LU05295	CAX1G00
	LU05274	CAX1G00
	LU04673	CAX1G00
	LU03818	CAX1G00
CAR2205	LU05513	CAX1G00
	LU05460	CAX1G00
	LU05338	CAX1G00
	LU05337	CAX1G00
	LU05336	CAX1G00
	LU05334	CAX1G00
	LU05229	CAX1G00
	LU05063	CAX1G00
	LU04603	CAX1G00
	LU03775	CAX1G00
CAR2204	LU05330	CAX1G00
	LU05259	CAX1G00
	LU05160	CAX1G00
	LU04765	CAX1G00
	LU04715	CAX1G00
	LU04693	CAX1G00
	LU04678	CAX1G00
	LU04471	CAX1G00
	LU04344	CAX1G00
	LU04173	CAX1G03
	LU03853	CAX1G03
	LU03786	CAX1G00
	LU03066	CAX1G00
	LU02479	CAX1G00
CAR2203	LU04670	CAX1G00
	LU04584	CAX1G00
	LU04568	CAX1G00
	LU04327	CAX1G00
	LU04089	CAX1G00
	LU03820	CAX1G00
	LU03815	CAX1G00
	LU03758	CAX1G00
	LU03628	CAX1G03
	LU03517	CAX1G00
	LU01824	CAX1G00
CAR2202	LU04090	CAX1G00
	LU03722	CAX1G00
	LU03634	CAX1G00
	LU03498	CAX1G00
	LU03462	CAX1G00
	LU03269	CAX1G00

CA RS Level	Service	FMID
	LU02855	CAX1G00
	LU02738	CAX1G00
	LU02644	CAX1G00
	LU02585	CAX1G00
	LU02467	CAX1G00
	LU02351	CAX1G00
	LU02339	CAX1G03
	LU02126	CAX1G00
	LU02083	CAX1G00
	LU01752	CAX1G00
CAR2201	LU03440	CAX1G00
CAR2112	LU03627	CAX1G05
	LU03626	CAX1G04
	LU03625	CAX1G03
	LU03624	CAX1G02
	LU03623	CAX1G01
	LU03622	CAX1G00
	LU03456	CAX1G00
	LU03310	CAX1G00
	LU02625	CAX1G00
CAR2111	LU03046	CAX1G00
	LU02965	CAX1G00
	LU02957	CAX1G00
	LU02323	CAX1G00
	LU01399	CAX1G00
CAR2110	LU02867	CAX1G00
	LU02703	CAX1G00
	LU02611	CAX1G00
	LU02567	CAX1G02
	LU02543	CAX1G03
	LU02533	CAX1G00
	LU02494	CAX1G00
	LU02444	CAX1G00
	LU02296	CAX1G00
	LU02273	CAX1G00
	LU02120	CAX1G00
	LU01959	CAX1G00
	LU01861	CAX1G01
	LU01785	CAX1G00
	LU01777	CAX1G00
	LU01734	CAX1G00
	LU01698	CAX1G00
	LU01672	CAX1G00
	LU01637	CAX1G00
	LU01601	CAX1G00
	LU01593	CAX1G00
	LU01453	CAX1G00

CA RS Level	Service	FMID
	LU01316	CAX1G00
	LU01267	CAX1G00
	LU01128	CAX1G00
	LU01074	CAX1G00
	LU00950	CAX1G03
	LU00935	CAX1G00
	LU00711	CAX1G00
CAR2109	LU01704	CAX1G00
	LU00612	CAX1G00
	LU00566	CAX1G00
	LU00553	CAX1G00
	LU00515	CAX1G00
CAR2108	LU02167	CAX1G00
	LU00294	CAX1G00
CAR2107	LU01502	CAX1G00
	LU00866	CAX1G00
CAR2106	S016302	CAX1G00
	S016293	CAX1G00
	S016249	CAX1G00
	S016148	CAX1G00
	S016147	CAX1G00
	S016146	CAX1G00
	S016145	CAX1G00
	S016144	CAX1G00
	S016143	CAX1G00
	S016044	CAX1G00
	LU00765	CAX1G00
	LU00718	CAX1G00
	LU00392	CAX1G00
	LU00376	CAX1G00
CAR2105	LU00885	CAX1G00
	LU00203	CAX1G04
CAR2104	S016139	CAX1G00
	S016138	CAX1G00
	S016122	CAX1G00
	S016058	CAX1G00
	S015993	CAX1G03
	S015874	CAX1G00
	S015809	CAX1G00
	S015752	CAX1G00
	S015442	CAX1G00
	S015259	CAX1G00
	S015042	CAX1G00
	S014888	CAX1G00
	S014742	CAX1G00
	S014478	CAX1G00
	LU00748	CAX1G00

CA RS Level	Service	FMID
	LU00536	CAX1G02
	LU00484	CAX1G00
	LU00295	CAX1G00
CAR2103	S016264	CAX1G00
	S014601	CAX1G00
CAR2102	S016098	CAX1G00
	S015167	CAX1G00
CAR2101	S015861	CAX1G01
	S015808	CAX1G01
	S015747	CAX1G01
	S014649	CAX1G00
	S014540	CAX1G00
	S013921	CAX1G00
CAR2012	S015560	CAX1G00
	S015537	CAX1G00
	S015033	CAX1G00
	S014735	CAX1G00
CAR2011	S014992	CAX1G00
	S014952	CAX1G00
	S014852	CAX1G00
	S014802	CAX1G00
	S014762	CAX1G00
	S014714	CAX1G03
	S014547	CAX1G00
	S014258	CAX1G00
CAR2010	S014783	CAX1G00
	S014722	CAX1G00
	S014614	CAX1G00
	S014269	CAX1G00
	S014042	CAX1G00
CAR2009	S014631	CAX1G00
	S014280	CAX1G00
	S014200	CAX1G00
	S014162	CAX1G00
	S014108	CAX1G00
	S014103	CAX1G00
	S014051	CAX1G00
	S013978	CAX1G00
	S013754	CAX1G00
	S013513	CAX1G00
	S013250	CAX1G00
	S013192	CAX1G00
	S013143	CAX1G00
	S013142	CAX1G00
	S012963	CAX1G00
	S012882	CAX1G00
	S012788	CAX1G00

CA RS Level	Service	FMID
	S012738	CAX1G02
	S012720	CAX1G00
	S012667	CAX1G00
	S012556	CAX1G00
	S012291	CAX1G00
	S012160	CAX1G00
	S012111	CAX1G00
	S011869	CAX1G00
	S011827	CAX1G00
	S011690	CAX1G00
	S011664	CAX1G00
	S011631	CAX1G00
CAR2008	S014040	CAX1G03
	S013833	CAX1G03
	S013795	CAX1G00
	S013598	CAX1G00
	S013452	CAX1G00
	S013034	CAX1G00
	S012480	CAX1G00
CAR2007	S013640	CAX1G00
	S013376	CAX1G03
	S013141	CAX1G00
	S012969	CAX1G00
	S012684	CAX1G00
	S011494	CAX1G00
	S011439	CAX1G00
	S009833	CAX1G03
CAR2006	S013163	CAX1G00
	S012970	CAX1G04
	S012929	CAX1G03
CAR2005	S012739	CAX1G04
	S012328	CAX1G00
	S011887	CAX1G00
	S011344	CAX1G00
	S011277	CAX1G01
CAR2004	S012295	CAX1G00
	S011647	CAX1G00
	S011443	CAX1G00
	S011189	CAX1G00
CAR2003	S011903	CAX1G00
	S011856	CAX1G00
CAR2002	S011661	CAX1G00
CAR2001	S011356	CAX1G03
	S011352	CAX1G00
	S011262	CAX1G00
	S010846	CAX1G00
	S010599	CAX1G00

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All CA RS Levels Service List

CA RS Level	Service	FMID
	S010544	CAX1G00
	S010542	CAX1G03
	S010463	CAX1G00
	S010355	CAX1G00
	S010334	CAX1G00
	S010329	CAX1G00
	S010295	CAX1G00
	S010255	CAX1G00
	S010216	CAX1G00
	S010186	CAX1G00
	S010184	CAX1G00
	S010183	CAX1G00
	S010166	CAX1G00
	S010096	CAX1G00
	S009277	CAX1G00
CAR1912	S009961	CAX1G00
	S007541	CAX1G00
CAR1911	S010567	CAX1G00
	S010412	CAX1G00
	S010293	CAX1G00
	S010246	CAX1G00
	S009810	CAX1G00
	S009696	CAX1G04
	S009369	CAX1G00
	S009271	CAX1G00
	S009246	CAX1G00
	S009112	CAX1G00
	S008932	CAX1G00
	S008727	CAX1G00
	S008396	CAX1G00
	S008334	CAX1G00
CAR1910	S010113	CAX1G00
	S010052	CAX1G00
	S009757	CAX1G00
	S009684	CAX1G00
	S009656	CAX1G01
	S009547	CAX1G00
	S009545	CAX1G00
	S009400	CAX1G03
	S009398	CAX1G00
	S009195	CAX1G00
	S008264	CAX1G00
CAR1909	S009168	CAX1G00
	S009036	CAX1G00
CAR1908	S009388	CAX1G00
	S009238	CAX1G00
	S009114	CAX1G00

CA RS Level	Service	FMID
	S008993	CAX1G03
	S008812	CAX1G04
	S008710	CAX1G00
	S008610	CAX1G00
	S008589	CAX1G00
CAR1907	S008630	CAX1G00
	S008613	CAX1G00
	S008600	CAX1G00
	S008598	CAX1G00
CAR1906	S008480	CAX1G03
	S008263	CAX1G00
	S008259	CAX1G00
	S008219	CAX1G00
	S008196	CAX1G00
	S008055	CAX1G00
	S007965	CAX1G00
	S007950	CAX1G00
	S007898	CAX1G00
CAR1905	S008052	CAX1G00
	S007963	CAX1G04
	S007871	CAX1G00
	S007725	CAX1G03
	S007704	CAX1G00
	S007430	CAX1G00
CAR1904	S007762	CAX1G00
	S007724	CAX1G00
	S007682	CAX1G00
	S007594	CAX1G00
	S007585	CAX1G00
	S007573	CAX1G03
	S007555	CAX1G00
	S007429	CAX1G00
	S007365	CAX1G03
	S007326	CAX1G00
	S007290	CAX1G00
	S007184	CAX1G03
	S006428	CAX1G03
CAR1903	S007427	CAX1G00
	S007424	CAX1G00
	S007165	CAX1G00
	S007136	CAX1G03
	S007057	CAX1G00
	S007037	CAX1G00
	S007032	CAX1G00
	S007002	CAX1G00
	S006996	CAX1G00
	S006912	CAX1G03

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All CA RS Levels Service List

CA RS Level	Service	FMID
	S006747	CAX1G00
	S006681	CAX1G00
	S006672	CAX1G00
	S006633	CAX1G00
	S006357	CAX1G00
CAR1902	S007042	CAX1G00
	S007040	CAX1G00
	S006670	CAX1G00
CAR1901	S006691	CAX1G00
	S006686	CAX1G00
	S006666	CAX1G00
	S006605	CAX1G00
	S006603	CAX1G00
	S006579	CAX1G00
	S006563	CAX1G00
	S006531	CAX1G00
	S006363	CAX1G00
	S006310	CAX1G00
	S006234	CAX1G00
	S006214	CAX1G00
	S006033	CAX1G00
	S005978	CAX1G00
	S005795	CAX1G00
	S005772	CAX1G00
	S005771	CAX1G00
	S005763	CAX1G00
	S005723	CAX1G00
	S005647	CAX1G00
	S004012	CAX1G03
	R085622	CAX1G00
	R083832	CAX1G00
	R081740	CAX1G00
	R081599	CAX1G00
	R080418	CAX1G00
CAR1812	S006423	CAX1G00
	S006278	CAX1G03
	S006277	CAX1G00
	S006183	CAX1G00
	S006073	CAX1G03
	S005563	CAX1G00
	S005557	CAX1G03
	S005388	CAX1G00
CAR1811	S006001	CAX1G00
	S005787	CAX1G00
	S005764	CAX1G00
	S005736	CAX1G00
	S005721	CAX1G00

CA RS Level	Service	FMID
	S005487	CAX1G03
	S005486	CAX1G00
	S005485	CAX1G00
	S005420	CAX1G00
	S005363	CAX1G00
	S005219	CAX1G00
	S005214	CAX1G00
	S005161	CAX1G00
	S004740	CAX1G00
	S004537	CAX1G00
	S003900	CAX1G00
CAR1810	S005539	CAX1G00
	S005530	CAX1G00
	S005400	CAX1G01
	S005265	CAX1G00
CAR1809	S005195	CAX1G00
	S005094	CAX1G00
	S005045	CAX1G00
	S005030	CAX1G02
	S004939	CAX1G00
	S004804	CAX1G00
	S004781	CAX1G00
	S004776	CAX1G00
	S004588	CAX1G00
	S004551	CAX1G00
	S004431	CAX1G00
CAR1808	S004558	CAX1G00
	S004534	CAX1G00
	S004448	CAX1G00
	S004395	CAX1G00
	S004242	CAX1G01
	S004209	CAX1G00
	S004001	CAX1G00
	S003907	CAX1G00
	S003889	CAX1G00
	S003681	CAX1G04
	S001109	CAX1G00
	R099418	CAX1G04
	R085623	CAX1G00
	R084836	CAX1G00
	R083835	CAX1G00
	R080735	CAX1G00
CAR1807	S004159	CAX1G00
	S004153	CAX1G00
	S004077	CAX1G00
	S004064	CAX1G00
	S004047	CAX1G00

CA RS Level	Service	FMID
	S004032	CAX1G00
	S003891	CAX1G00
	S003886	CAX1G00
	S003885	CAX1G00
	S003867	CAX1G00
	S003743	CAX1G03
	S003742	CAX1G00
	S003663	CAX1G00
	S003636	CAX1G00
	S003632	CAX1G00
	S003574	CAX1G00
	S001732	CAX1G00
	S001703	CAX1G00
	S001634	CAX1G00
	S001066	CAX1G03
CAR1806	S003630	CAX1G00
	S003591	CAX1G00
	S003573	CAX1G00
	S001806	CAX1G00
	S001736	CAX1G03
	S001729	CAX1G01
	S001728	CAX1G00
	S001691	CAX1G01
	S001588	CAX1G00
	S001571	CAX1G00
	S001563	CAX1G00
	S001560	CAX1G03
	S001559	CAX1G00
	S001518	CAX1G00
	S001422	CAX1G00
	S001377	CAX1G00
	S000930	CAX1G00
CAR1805	S001516	CAX1G00
	S001449	CAX1G00
	S001421	CAX1G03
	S001203	CAX1G00
	S001101	CAX1G00
CAR1804	S001099	CAX1G00
	S001064	CAX1G00
	S001020	CAX1G00
	S000979	CAX1G01
	S000976	CAX1G00
	S000961	CAX1G01
	S000955	CAX1G00
	S000944	CAX1G00
	S000901	CAX1G03
	S000818	CAX1G03

CA RS Level	Service	FMID
	S000774	CAX1G00
	S000680	CAX1G00
	S000564	CAX1G00
	S000459	CAX1G01
	S000318	CAX1G00
	S000304	CAX1G00
	S000214	CAX1G00
	S000153	CAX1G00
	S000010	CAX1G00
	R099677	CAX1G00
	R099469	CAX1G00
CAR1803	S000479	CAX1G00
	S000474	CAX1G00
	S000374	CAX1G00
	S000314	CAX1G00
	S000221	CAX1G03
	S000096	CAX1G03
	R099953	CAX1G03
	R099350	CAX1G00
	R099336	CAX1G00
	R098916	CAX1G01
CAR1802	S000111	CAX1G00
	R099950	CAX1G00
	R099742	CAX1G00
	R099493	CAX1G00
	R099160	CAX1G00
CAR1801	R099749	CAX1G03
	R099360	CAX1G00
	R099343	CAX1G00
	R099164	CAX1G00
	R099163	CAX1G00
	R099162	CAX1G00
	R099159	CAX1G00
	R099147	CAX1G00
	R099138	CAX1G03
	R099049	CAX1G03
	R099035	CAX1G00
CAR1712	R099008	CAX1G00
	R098915	CAX1G00
	R098635	CAX1G00
	R098520	CAX1G00
CAR1711	R098637	CAX1G00
	R098633	CAX1G00
	R098598	CAX1G00
	R098548	CAX1G00
	R098419	CAX1G00
	R098340	CAX1G00

CA RS Level	Service	FMID
	R098324	CAX1G00
	R098208	CAX1G00
	R098081	CAX1G00
	R098008	CAX1G00
	R097933	CAX1G01
	R097921	CAX1G00
	R097911	CAX1G00
	R097896	CAX1G00
	R097857	CAX1G00
	R097842	CAX1G00
	R097810	CAX1G00
	R097781	CAX1G00
	R097780	CAX1G03
	R097779	CAX1G00
	R093853	CAX1G05
	R093852	CAX1G04
CAR1710	R097939	CAX1G00
	R097830	CAX1G03
	R097778	CAX1G03
	R097777	CAX1G00
	R097763	CAX1G00
CAR1709	R097666	CAX1G00
	R097509	CAX1G00
	R097388	CAX1G00
	R097374	CAX1G00
	R097246	CAX1G00
	R097234	CAX1G00
	R097148	CAX1G00
	R097142	CAX1G00
	R096914	CAX1G00
	R096906	CAX1G00
CAR1708	R097183	CAX1G00
	R097140	CAX1G00
	R097123	CAX1G02
	R097122	CAX1G01
	R097101	CAX1G00
	R097094	CAX1G00
	R097073	CAX1G00
	R097057	CAX1G03
	R096917	CAX1G00
	R096905	CAX1G00
	R096890	CAX1G03
	R096880	CAX1G00
	R096870	CAX1G00
	R096854	CAX1G03
	R096794	CAX1G00
	R096729	CAX1G00

CA RS Level	Service	FMID
	R096676	CAX1G03
	R096443	CAX1G00
	R096422	CAX1G03
	R096075	CAX1G00
	R096003	CAX1G00
	R095963	CAX1G00
	R095859	CAX1G03
	R095851	CAX1G00
	R095721	CAX1G00
	R095562	CAX1G00
	R095461	CAX1G00
	R095460	CAX1G00
	R095220	CAX1G00
	R094330	CAX1G00
	R093635	CAX1G00
	R093566	CAX1G00
	R093513	CAX1G02
	R093512	CAX1G01
	R093511	CAX1G00
CAR1707	R096464	CAX1G00
	R096074	CAX1G00
	R095905	CAX1G00
	R095735	CAX1G03
	R095642	CAX1G00
	R095610	CAX1G00
	R095144	CAX1G00
CAR1706	R096114	CAX1G00
	R096113	CAX1G00
	R096094	CAX1G00
	R095936	CAX1G00
	R095586	CAX1G00
	R095350	CAX1G00
	R093988	CAX1G00
CAR1705	R095841	CAX1G00
	R095836	CAX1G00
	R095608	CAX1G03
	R095521	CAX1G00
	R095459	CAX1G00
	R095456	CAX1G00
	R095219	CAX1G03
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	R095203	CAX1G00
	R095192	CAX1G00
	R095082	CAX1G00
	R094381	CAX1G04
	R093881	CAX1G00
	R093615	CAX1G00

CA RS Level	Service	FMID
	R093394	CAX1G00
	R092798	CAX1G00
CAR1704	R095320	CAX1G03
	R095173	CAX1G00
	R095168	CAX1G00
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	R095058	CAX1G00
	R094877	CAX1G00
	R094841	CAX1G00
	R094796	CAX1G00
	R094697	CAX1G00
	R094599	CAX1G00
	R094543	CAX1G00
	R094309	CAX1G00
	R093699	CAX1G00
	R093380	CAX1G03
	R091983	CAX1G00
CAR1703	R094325	CAX1G00
	R094125	CAX1G00
	R093581	CAX1G00
CAR1702	R093738	CAX1G00
	R093181	CAX1G03
CAR1701	R093554	CAX1G00
	R093442	CAX1G00
	R093377	CAX1G00
	R093303	CAX1G00
	R093301	CAX1G00
	R093240	CAX1G00
	R092540	CAX1G00
	R092536	CAX1G00
CAR1612	R093116	CAX1G00
	R093003	CAX1G00
	R092884	CAX1G00
	R091980	CAX1G03
	R091338	CAX1G00
	R091271	CAX1G00
	R091194	CAX1G02
	R091069	CAX1G00
CAR1611	R092541	CAX1G00
	R092424	CAX1G00
	R092400	CAX1G00
	R092311	CAX1G00
	R091913	CAX1G00
	R090077	CAX1G00
CAR1610	R092184	CAX1G00
	R092080	CAX1G03
	R091962	CAX1G00

CA RS Level	Service	FMID
	R091939	CAX1G00
	R091578	CAX1G03
	R091396	CAX1G00
	R090020	CAX1G05
	R090019	CAX1G05
	R089873	CAX1G05
	R088622	CAX1G00
CAR1609	R091401	CAX1G00
	R091270	CAX1G00
	R091169	CAX1G00
	R091121	CAX1G01
	R091120	CAX1G00
	R089763	CAX1G00
CAR1607	R090749	CAX1G00
	R090415	CAX1G03
CAR1606	R090049	CAX1G00
	R089700	CAX1G00
	R089501	CAX1G00
	R089393	CAX1G03
	R089101	CAX1G00
	R089039	CAX1G00
CAR1605	R089649	CAX1G03
	R089603	CAX1G03
	R089602	CAX1G00
	R089442	CAX1G00
	R089397	CAX1G00
	R089396	CAX1G03
	R089360	CAX1G00
	R089274	CAX1G00
	R089222	CAX1G00
	R088971	CAX1G00
	R088719	CAX1G00
	R088654	CAX1G00
	R088324	CAX1G00
	R088106	CAX1G00
	R087944	CAX1G00
	R087169	CAX1G04
	R086948	CAX1G00
CAR1604	R089184	CAX1G03
	R089120	CAX1G00
	R089117	CAX1G00
	R089116	CAX1G00
	R088717	CAX1G00
	R088240	CAX1G00
	R087405	CAX1G00
	R087013	CAX1G00
	R086545	CAX1G00

CA RS Level	Service	FMID
CAR1603	R088319	CAX1G03
	R087790	CAX1G00
	R086551	CAX1G00
	R086548	CAX1G00
	R086546	CAX1G00
CAR1602	R087685	CAX1G00
	R087221	CAX1G00
	R086888	CAX1G00
	R086762	CAX1G00
	R086681	CAX1G00
	R086542	CAX1G00