

CA ACF2 16.0
CA RS 2010 Service List

Service	Description	Type
S014042	ADD SUPPORT FOR MIXED CASE RESOURCES FOR ACF2 DB2	PTF
S014269	ADD SUPPORT TO BE ABLE TO ELEVATE TO SECONDARY IDS FOR DB2	PTF
S014614	ACF790MV DEADLY EMBRACE ENQ MAJOR=CASAFIVT MINOR=CASAFEME	*HIP/PRP*
S014722	ACF99913 OR ACF99058 WITH TRUNCATED DSN ON RACROUTE DEFINE	** PRP **
S014783	CHAUDIT COMMAND FAILS EVEN WHEN ELEVATED TO AUDIT THRU TAMZ	PTF
The CA RS 2010 service count for this release is 5		

CA ACF2
CA RS 2010 Service List for CAX1G00

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FMID	Service	Description	Type
CAX1G00	SO14042	ADD SUPPORT FOR MIXED CASE RESOURCES FOR ACF2 DB2	PTF
	SO14269	ADD SUPPORT TO BE ABLE TO ELEVATE TO SECONDARY IDS FOR DB2	PTF
	SO14614	ACF790MV DEADLY EMBRACE ENQ MAJOR=CASAFIVT MINOR=CASAFEME	*HIP/PRP*
	SO14722	ACF99913 OR ACF99058 WITH TRUNCATED DSN ON RACROUTE DEFINE	** PRP **
	SO14783	CHAUDIT COMMAND FAILS EVEN WHEN ELEVATED TO AUDIT THRU TAMZ	PTF
The CA RS 2010 service count for this FMID is 5			

Service	Details
S014042	M.C.S. ENTRIES = ++PTF (S014042) ADD SUPPORT FOR MIXED CASE RESOURCES FOR ACF2 DB2 ENHANCEMENT DESCRIPTION: This will add support to allow mixed case resource names in the ACF2 DB2 interface. In order to allow mixed case resource for an ACF2 DB2 resource an external CLASMAP record will need to be inserted to specify MIXED. As an example on how to allow mixed case for DB2 packages. Insert the CLASMAP record. SET C(GSO) INSERT CLASMAP.DB2PKG ENTITYLN(39) MIXED MUSID() RESOURCE(DB2PKG) RSRCTYPE(PKG) Activate the CLASMAP record. F ACF2,REFRESH(CLASMAP) SHOW CLASMAP should show something like this. *****DB2PKGPKG39MIXEXT *****DB2PKGPKG39 Once the CLASMAP record is active for this resource, the compiler will allow for mixed case resource names through either the ACF command processor or the panels. PRODUCT(S) AFFECTED: CA-ACF2-MVSVersion 16.0 Related Problem: ACF2MS 10444 Copyright (C) 2020 CA. All rights reserved. R00782-ACF160-SP1 DESC(ADD SUPPORT FOR MIXED CASE RESOURCES FOR ACF2 DB2). ++VER (Z038) FMID (CAX1G00) PRE (R080085 R080309 R084877 R091169 R097779 R099162 S003636 S004032 S004551 S004588 S006310 S006579 S007898) SUP (ST14042) ++HOLD (S014042) SYSTEM FMID(CAX1G00) REASON (DEP) DATE (20259) COMMENT (+-----+ CA-ACF2-MVSVersion 16.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Activate change +-----+ USERS All users AFFECTED +-----+ KNOWLEDGE Operator commands REQUIRED +-----+ ACCESS z/OS Operator console REQUIRED +-----+

Service	Details
	<pre> ***** * STEPS TO PERFORM * ***** In order to get full support to allow mixed case resources for ACF2 DB2, fix SO14043 required for ACF2 DB2.). ++HOLD (SO14042) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (20259) COMMENT (+-----+ CA-ACF2-MVS Version 16.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE Activate change +-----+-----+ USERS All users AFFECTED +-----+-----+ KNOWLEDGE Operator commands REQUIRED +-----+-----+ ACCESS z/OS Operator console REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** 1. F LLA,REFRESH). </pre>

Service	Details
SO14269	SO14269 M.C.S. ENTRIES = ++PTF (SO14269) ADD SUPPORT TO BE ABLE TO ELEVATE TO SECONDARY IDS FOR DB2 ENHANCEMENT DESCRIPTION: Add support to be able to ELEVATE to secondary ids for DB2. This support will allow a site to ELEVATE a user with TAMZ to give that user additional secondary ids to be checked by DB2. This will be done through the sample connection exits provided by ACF2 that uses source grouping to control the list of secondary ids given to DB2. The 2 exits provided as samples are ACF3@ATH and ACF3@SGN. In order to create a TAMZ CLASS record that will be used to assign a secondary id to a user, the site will need to code the ALTUID field with a special value. This support will look for ALTUID(DB2SEC:secondary) to assign the 8 characters following the DB2SEC: as a secondary. For instance: <pre>set c(tam) insert class.db21 altuid(DB2SEC:CUBS) desc(assign a secondary id) insert class.db22 altuid(DB2SEC:WHITESOXRULE) desc(another secondary) CONTROL</pre> XE77 / CLASS.DB21 LAST CHANGED BY TSSDAP ON 08/07/20-10:29 ALTUID(DB2SEC:CUBS) ATTRIBUT() DESC(assign a secondary id) NOREQTICKT ROLENAME() SDESK TIMEBOX(60) XE77 / CLASS.DB22 LAST CHANGED BY TSSDAP ON 08/07/20-10:30 ALTUID(DB2SEC:WHITESOXRULE) ATTRIBUT() DESC(another secondary) NOREQTICKT ROLENAME() SDESK() TIMEBOX(60) With the support in place these will both be used as secondary ids for any user who has been elevated to them. The user will get 2 secondaries added to their normal secondary list - CUBS, WHITESOX. The WHITESOX has been truncated to 8 characters, the max length for a secondary id. NOTE*** With this interface, the TIMEBOX value will not be enforced once a secondary has been assigned. The TIMEBOX will be enforced when assigning the secondary. If an elevation has timed out, the secondary id will not be assigned to any new connections to DB2 that go through the connection exits. PRODUCT(S) AFFECTED: CA-ACF2-MVS Related Problem: ACF2MS 10448 Copyright (C) 2020 CA. All rights reserved. R00794-ACF160-SP1 DESC(ADD SUPPORT TO BE ABLE TO ELEVATE TO SECONDARY IDS FOR DB2). ++VER (Z038) FMID (CAX1G00) PRE (R080628 R081740 R081866 R088622 R089501 R096906 R098008 R099162 S004209 S006579 S007032 S008396 S011856 S014103) SUP (AS10599 AS11856 R097234 R099469 S000564 S010599 S013163 S013598 ST00564 ST10599 ST13163 ST13598 ST14269 TR97234 TR99469 WC87799)

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Service	Details
	++HOLD (SO14269) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (20259) COMMENT (<pre> +-----+ CA-ACF2-MVS 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 2. F ACF2,NEWMOD(ACF9C000) 3. F ACF2,NEWMOD(ACF00SVA) 4. F ACF2,NEWMOD(ACF99SVC) Note: If your site has linked in ACF00SSL into an exit to do source grouping, then you will need to relink your exit. This support has added a small update to both ACF3@ATH and ACF3@SGN sample exits. They will need to be reassembled and linked using the instructions provided within each sample exit.).</pre>

Service	Details
SO14614	SO14614 M.C.S. ENTRIES = ++PTF (SO14614) ACF790MV DEADLY EMBRACE ENQ MAJOR=CASAFIVT MINOR=CASAFEME PROBLEM DESCRIPTION: A system lockout (deadly embrace) can occur during processing of an ACF2 OMVS MODIFY command to rebuild table structures. The lockout involves the "F ACF2,OMVS" command. When the OMVS command is processed ACF2 invokes ACF790MV as an attached subtask. The lockout exposure is evident when multiple ACF790MV subtasks run concurrently. This can occur if the "F ACF2,OMVS" command is issued from the ACF command (either TSO or batch) and another "F ACF2,OMVS" is issued from the console at approximately the same time. ACF790MV processing to build the EMAIL table does not release the ENQ on MAJOR=CASAFIVT MINOR=CASAFEME which can lead to a SYSTEM level deadly embrace involving that resource and the INFO database MAJOR=ACF2ACB MINOR=INFOSTG resource. In an environment where the INFO database is shared a SYSTEMS level lockout can occur when other systems attempt to update the INFO database. This problem can only occur with R096914 applied. R096914 adds an ACF2 EMAIL table and support for the WAEMAIL field in the WORKATTR user profile record. SYMPTOMS: The systems in question will be in a lockout state. A 'D GRS,C' command indicates: A RESOURCE LOCKOUT WAS DETECTED FOR THE FOLLOWING JOBS JOBNAME=ACF2 ASID=nnnn TCB=00xxxxxx JOBNAME=ACF2 HOLDS: RESOURCE #0497: NAME=MAJOR=ACF2ACB MINOR=INFOSTG SCOPE=SYSTEM AND IS WAITING FOR: RESOURCE #0498: NAME=MAJOR=CASAFIVT MINOR=CASAFEME SCOPE=SYSTEM JOBNAME=ACF2 ASID=nnnn TCB=00yyyyyy JOBNAME=ACF2 HOLDS: RESOURCE #0498: NAME=MAJOR=CASAFIVT MINOR=CASAFEME SCOPE=SYSTEM AND IS WAITING FOR: RESOURCE #0497: NAME=MAJOR=ACF2ACB MINOR=INFOSTG SCOPE=SYSTEM IMPACT: Lockout on INFO database;IPL may be required to recover. CIRCUMVENTION: Do not issue "F ACF2,OMVS" commands at the same time from multiple tasks (i.e. from the console and from the ACF command). In addition to the "F ACF2,OMVS" command the "F ACF2,OMVS(EMAIL)" command should be avoided. PRODUCT(S) AFFECTED: CA-ACF2-MVS Related Problem: ACF2MS 10460 Copyright (C) 2020 CA. All rights reserved. R00807-ACF160-SP1 DESC (ACF790MV DEADLY EMBRACE ENQ MAJOR=CASAFIVT MINOR=CASAFEME). ++VER (Z038) FMID (CAX1G00) PRE (R081740 R084877 R084952 R087790 R089501 R091169 R092884 R095905 R096914 R097779 R097921 R098208 R099742 S003900 S006214 S006579 S007898 S008589

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CA RS 2010 - PTF SO14614 Details

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Service	Details
	SO11443 SO11856 SO13143 SO14108) SUP (AR92884 BR96914 SO00214 SO03867 SO07950 ST00214 ST03867 ST07950 ST14614) ++HOLD (SO14614) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (20246) COMMENT (+-----+ CA-ACF2-MVS Version 16.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Activate change +-----+ 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
SO14722	SO14722 M.C.S. ENTRIES = ++PTF (SO14722) ACF99913 OR ACF99058 WITH TRUNCATED DSN ON RACROUTE DEFINE PROBLEM DESCRIPTION: RACROUTE DEFINE calls to SAF are getting a not authorized message to do the DEFINE and the dataset name showing up in the violation is truncated. Error messages ACF99913 or ACF99058 will be issued with a truncated DSN. This problem occurs after application of SO14108. SYMPTOMS: Message ACF99058 may be issued: INVALID DSN XXXX.YYY.ZZZZ.ZZZZ.ZZZZZZ.ZZZ.ZZZZZZ. OR LIB SYS1.LINKLIB Impact: Cannot allocate a dataset. CIRCUMVENTION: If possible modify the DSN to be 39 bytes or less PRODUCT(S) AFFECTED: CA-ACF2-MVS Version 16.0 Related Problem: ACF2MS 10466 Copyright (C) 2020 CA. All rights reserved. R00811-ACF160-SP1 DESC (ACF99913 OR ACF99058 WITH TRUNCATED DSN ON RACROUTE DEFINE). ++VER (Z038) FMID (CAX1G00) PRE (R095218 SO14108) SUP (AS14108 R089117 ST14722 TR89117) ++HOLD (SO14722) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (20254) COMMENT (<pre> +-----+ CA-ACF2-MVS Version 16.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE Enable new code +-----+-----+ USERS All users AFFECTED +-----+-----+ KNOWLEDGE Operator commands REQUIRED +-----+-----+ ACCESS z/OS Operator console REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** 1. LLA Refresh 2. Execute console command 'F ACF2,NEWMOD(SAFRT001)').</pre>

Service	Details																		
SO14783	SO14783 M.C.S. ENTRIES = ++PTF (SO14783) CHAUDIT COMMAND FAILS EVEN WHEN ELEVATED TO AUDIT THRU TAMZ PROBLEM DESCRIPTION: The R_chaudit Security Server RACF Callable Service does not check for TAMz elevation to the AUDIT class. This causes the Unix "chaudit" command to fail with message FSUM5009 for users who have elevated to obtain AUDIT authority. SYMPTOMS: The following message is issued when a "chaudit" command is issued to change a file's audit attributes in USS: FSUM5009 chaudit: "xxxxxx": Operation not permitted Where "xxxxxx" is the name of the chaudit target file. IMPACT: Users who elevate to AUDIT using TAMx are unable to issue the chaudit command to modify file attributes in USS. CIRCUMVENTION: Issue the chaudit command from a user who has the AUDIT privilege on their LOGONID record. PRODUCT(S) AFFECTED: CA ACF2 FOR Z/OS Release 16.0 Related Problem: ACF2MS 10468 Copyright (C) 2020 CA. All rights reserved. R00815-ACF160-SP1 DESC (CHAUDIT COMMAND FAILS EVEN WHEN ELEVATED TO AUDIT THRU TAMZ) . ++VER (Z038) FMID (CAX1G00) PRE (R095218 S005161) SUP (ST14783) ++HOLD (SO14783) SYSTEM FMID(CAX1G00) REASON (DYNACT) DATE (20265) COMMENT (<table border="1"> <tr> <td>CA-ACF2-MVS</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(SAFOEDRV)	CA-ACF2-MVS	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	
CA-ACF2-MVS	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	SO14042	STARTS ON PAGE 0002	
MCS	SO14269	STARTS ON PAGE 0003	
MCS	SO14614	STARTS ON PAGE 0006	
MCS	SO14722	STARTS ON PAGE 0007	
MCS	SO14783	STARTS ON PAGE 0009	

CA ACF2 16.0
CA RS 2010 Product/Component Listing

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Product Family	Product	Release
Security	CA-ACF2-MVS	16.00.00
The CA RS 2010 Product/Component Count for this release is 1		

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All CA RS Levels Service List

CA RS Level	Service	FMID
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
	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

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All CA RS Levels Service List

CA RS Level	Service	FMID
	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
	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

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All CA RS Levels Service List

CA RS Level	Service	FMID
	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
	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

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All CA RS Levels Service List

CA RS Level	Service	FMID
	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
	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

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CA RS Level	Service	FMID
	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
	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

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CA RS Level	Service	FMID
CAR1808	S004431	CAX1G00
	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
	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

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CA RS Level	Service	FMID
	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
	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

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CA RS Level	Service	FMID
	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
	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

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CA RS Level	Service	FMID
	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
	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

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CA RS Level	Service	FMID
	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
	R095218	CAX1G00
	R095203	CAX1G00
	R095192	CAX1G00
	R095082	CAX1G00
	R094381	CAX1G04
	R093881	CAX1G00
	R093615	CAX1G00
	R093394	CAX1G00
	R092798	CAX1G00
CAR1704	R095320	CAX1G03
	R095173	CAX1G00
	R095168	CAX1G00
	R095122	CAX1G00
	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

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CA RS Level	Service	FMID
	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
	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

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