

Datacom/AD 15.1
CA RS 2211 Service List

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Service	Description	Type
LU06286	RC 83(80)/RC 40(114) WITH CONNECT PRIORITY (XCF,LOCAL)	PTF
LU07060	SOC4 IN DBSRPPR TEXPSRV WITH AN IN LIST	PTF
LU07115	INORDINATE PHYSICAL I/OS DURING LOAD WITH VLDS DATASETS	PTF
LU07182	RECOVERY=FORWARD/BACKWARD CAN FAIL WITH MESSAGE DB18001C	PTF
LU07230	ENHANCEMENT TO DROP PLANS WITH DBSRFPR	PTF
LU07312	ENHANCEMENT: VALIDATION SITE TESTING VSAM LINEAR FXX	PTF
LU07338	MF: ALLOW DATACOM SERVER TO INITIALIZE WITH VIPA/DVIPA	PTF
LU07344	ADD AD Z/OSMF WORKFLOW FOR APPLY AND ACCEPT	PTF
LU07380	SQLCODE -161 OR WRONG ROWS RETURNED WITH LEFT JOIN & WHERE	PTF
LU07399	ENHANCEMENT: PROVIDE QA EXTENDED TEST	PTF
LU07502	SOC9 IN DBSGMPR +29AA	PTF
LU07503	EXTEND DISPLAYS DEVICE TYPE EXCP INSTEAD OF VSAM	PTF
LU07557	DATANE REPORT NOT HONORING NON-NATIVE KEY	PTF
LU07566	MEMORY OVERLAY WITH SQL PROCEDURES	PTF
LU07676	AEZA ABEND EXECUTING SQL STATEMENTS WITHIN DDOL	PTF
LU07677	ENHANCEMENT: DB00215I NOW INCLUDES THE LEVEL SET VALUE	PTF
LU07736	SQLCODE -999 WHEN CHANGING DATATYPE OF A COLUMN WITH DEFAULT	PTF
LU07738	ENHANCEMENT: DELIVERS CODE AS BASIS FOR FUTURE ENHANCEMENTS	PTF
LU07802	VPE: PROVIDE LEVEL SET TO \$IQE EXT=2	PTF
LU07812	SQLCODE -161 OR -999 WITH UNION AND LEFT JOIN	** PRP **
LU07823	ENHANCEMENT TO ADD DATACOM_OPTIMIZATION OPTION 'USE KEY'	PTF
The CA RS 2211 service count for this release is 21		

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CA RS 2211 Service List for CAADF10

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FMID	Service	Description	Type
CAADF10	LU07676	AEZA ABEND EXECUTING SQL STATEMENTS WITHIN DDOL	PTF
The CA RS 2211 service count for this FMID is 1			

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CA RS 2211 Service List for CAAXF10

FMID	Service	Description	Type
CAAXF10	LU07344	ADD AD Z/OSMF WORKFLOW FOR APPLY AND ACCEPT	PTF
The CA RS 2211 service count for this FMID is 1			

Datacom/AD
CA RS 2211 Service List for CABDF10

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FMID	Service	Description	Type
CABDF10	LU06286	RC 83(80)/RC 40(114) WITH CONNECT PRIORITY (XCF,LOCAL)	PTF
	LU07115	INORDINATE PHYSICAL I/OS DURING LOAD WITH VLDS DATASETS	PTF
	LU07182	RECOVERY=FORWARD/BACKWARD CAN FAIL WITH MESSAGE DB18001C	PTF
	LU07312	ENHANCEMENT: VALIDATION SITE TESTING VSAM LINEAR FXX	PTF
	LU07399	ENHANCEMENT: PROVIDE QA EXTENDED TEST	PTF
	LU07503	EXTEND DISPLAYS DEVICE TYPE EXCP INSTEAD OF VSAM	PTF
	LU07557	DATANE REPORT NOT HONORING NON-NATIVE KEY	PTF
	LU07677	ENHANCEMENT: DB00215I NOW INCLUDES THE LEVEL SET VALUE	PTF
	LU07738	ENHANCEMENT: DELIVERS CODE AS BASIS FOR FUTURE ENHANCEMENTS	PTF
The CA RS 2211 service count for this FMID is 9			

Datacom/AD
CA RS 2211 Service List for CAVEF10

FMID	Service	Description	Type
CAVEF10	LU07060	SOC4 IN DBSRPPR TEXPSRV WITH AN IN LIST	PTF
	LU07230	ENHANCEMENT TO DROP PLANS WITH DBSRFPR	PTF
	LU07380	SQLCODE -161 OR WRONG ROWS RETURNED WITH LEFT JOIN & WHERE	PTF
	LU07502	SOC9 IN DBSGMPR +29AA	PTF
	LU07566	MEMORY OVERLAY WITH SQL PROCEDURES	PTF
	LU07736	SQLCODE -999 WHEN CHANGING DATATYPE OF A COLUMN WITH DEFAULT	PTF
	LU07812	SQLCODE -161 OR -999 WITH UNION AND LEFT JOIN	** PRP **
	LU07823	ENHANCEMENT TO ADD DATACOM_OPTIMIZATION OPTION 'USE KEY'	PTF
The CA RS 2211 service count for this FMID is 8			

Datacom/AD
CA RS 2211 Service List for CAVQF10

FMID	Service	Description	Type
CAVQF10	LU07802	VPE: PROVIDE LEVEL SET TO \$IQE EXT=2	PTF
The CA RS 2211 service count for this FMID is 1			

Datacom/AD
CA RS 2211 Service List for CAYTF00

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FMID	Service	Description	Type
CAYTF00	LU07338	MF: ALLOW DATACOM SERVER TO INITIALIZE WITH VIPA/DVIPA	PTF
The CA RS 2211 service count for this FMID is 1			

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CA RS 2211 - PTF LU06286 Details

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Service	Details
LU06286	LU06286 M.C.S. ENTRIES = ++PTF (LU06286) REWORK(2022284) RC 83(80)/RC 40(114) WITH CONNECT PRIORITY (XCF,LOCAL) PROBLEM DESCRIPTION: An application using DBSIDPR specification CONNECT_ALLOW_PRIORITY=(XCF,LOCAL) can receive RC 83(80) (SVC Integrity Error) or RC 40(114) (Task Save Area Error). Message DB01801E is issued, but no dump is taken. This solution corrects the underlying incorrect size calculation and produces a dump with that message. SYMPTOMS: Applications fail with RC 83(80) or RC 40(114) and message DB01801E. IMPACT: Applications cannot run successfully with connect priority (XCF,LOCAL). CIRCUMVENTION: None. PRODUCT(S) AFFECTED: DATAACOM/DB Release 15.1 Related Problem: DB 17492 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01043-DCM151 DESC(RC 83(80)/RC 40(114) WITH CONNECT PRIORITY (XCF,LOCAL)). ++VER (Z038) FMID (CABDF10) PRE (LU01400 LU03981 R088469 R090182 R092243 R094001 R094095 R096499 S006133 S011513 S013594) SUP (AS00629 AS09610 LT00457 LT06286 R091254 R094902 R096313 R097329 S000629 S001443 S004151 S007733 S009610 S009835 S015552 ST00629 ST01443 ST04151 ST07733 ST09610 ST09835 ST15552 TR91254 TR94902 TR96313 TR97329)

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CA RS 2211 - PTF LU07060 Details

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Service	Details
LU07060	LU07060 M.C.S. ENTRIES = ++PTF (LU07060) REWORK(2022279) SOC4 IN DBSRPPR TEXPSRV WITH AN IN LIST PROBLEM DESCRIPTION: An IN list can be optimized to use an index to directly search for the values . But there are several restrictions, including being under an OR. That check was not detecting being indirectly under an OR, which caused an attempt to perform the optimized search when it was not setup. SYMPTOMS: MUF abends in DBSRPPR module TEXPSRV. IMPACT: MUF outage occurs. CIRCUMVENTION: Convert the IN list to a series of EQ predicates under an OR. PRODUCT(S) AFFECTED: DATAKOM SQL Release 15.1 Related Problem: SQL 17998 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01066-DCM151 DESC(SOC4 IN DBSRPPR TEXPSRV WITH AN IN LIST). ++VER (Z038) FMID (CAVEF10) PRE (LU00985 LU00988 LU01149 LU01216 LU01484 LU02878 LU03281 LU03984 LU05024 LU05231 LU06158 LU07179 R090155 R090216 R090826 R090854 R093613 S000890 S001886 S004034 S004197 S005935 S007544 S008017 S008336 S008374 S008801 S009437 S011326 S011629 S013173 S013526 S014825 S015755) SUP (AR90826 AS08374 AS14825 BR90826 CL02878 CR90826 CS11629 DC92212 DS11629 ES11629 FC92212 HC92212 LT00055 LT00056 LT00059 LT00354 LT00425 LT01153 LT03914 LT05343 LT05412 LT06895 LT07060 LT07062 LU00056 LU00354 LU00425 LU01153 LU03914 LU05343 LU05412 R088550 R088611 R089520 R095609 R095978 R098521 R099168 R099972 S001350 S004045 S004889 S004969 S005352 S007468 S008933 S013286 S014369 S014813 S015527 ST01350 ST04045 ST04889 ST04969 ST05352 ST07468 ST08933 ST13286 ST14369 ST14813 ST15527 TR88208 TR88392 TR88550 TR88611 TR89520 TR90605 TR95609 TR95978 TR98438 TR98521 TR99168 TR99972)

Service	Details
LU07115	LU07115 M.C.S. ENTRIES = ++PTF (LU07115) REWORK(2022284) INORDINATE PHYSICAL I/OS DURING LOAD WITH VLDS DATASETS PROBLEM DESCRIPTION: A DBUTLTY LOAD of a base or area using VSAM Linear Datasets (VLDS) may incur inordinately more Index I/Os than is customary with non-VLDS (EXCP) datasets. The problem occurs only if the LOAD causes a Dynamic Extend of the Index dataset. SYMPTOMS: Excessive Index I/Os begin immediately after a Dynamic Extend of the Index dataset. The LOAD continues with extremely poor performance. IMPACT: The LOAD experiences a drastic performance degradation. CIRCUMVENTION: Allocating an Index dataset with enough space to avoid Dynamic Extends may provide a circumvention. PRODUCT(S) AFFECTED: DATAACOM/DB Release 15.1 Related Problem: DB 18135 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01069-DCM151 DESC(INORDINATE PHYSICAL I/OS DURING LOAD WITH VLDS DATASETS). ++VER (Z038) FMID (CABDF10) PRE (LU01370 LU03981 LU04745 LU05861 LU06820 LU06889 R088530 R090486 R090903 R091015 R091404 R092858 R093647 R094095 R096300 R098683 R099738 R099997 S001215 S003853 S003879 S004931 S007233 S010748 S012178 S013162 S015660) SUP (LT01081 LT07115 LU01081 S009494 S012048 ST09340 ST09494 ST12048)

Service	Details
LU07182	LU07182 M.C.S. ENTRIES = ++PTF (LU07182) REWORK(2022286) RECOVERY=FORWARD/BACKWARD CAN FAIL WITH MESSAGE DB18001C PROBLEM DESCRIPTION: After applying LU05611, DBUTLTY RECOVERY=FORWARD/BACKWARD fails with message: DB18001C - INTERNAL DBRCVPR PROGRAM ERROR - A if multiple RECOVERY functions are stacked in the same execution of the DBUTLTY job or jobstep. It is the second function in the stack that fails. SYMPTOMS: Message DB18001C is issued and the second RECOVERY function fails. IMPACT: The second and subsequent DBUTLTY RECOVERY functions cannot be run successfully when stacked in the same DBUTLTY execution. CIRCUMVENTION: Executing one RECOVERY function per DBUTLTY job/jobstep can provide a circumvention. PRODUCT(S) AFFECTED: DATAKOM/DB Release 15.1 Related Problem: DB 18019 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01073-DCM151 DESC(RECOVERY=FORWARD/BACKWARD CAN FAIL WITH MESSAGE DB18001C). ++VER (Z038) FMID (CABDF10) PRE (LU03981 LU05611 R092858 R093647 R095915 S001597 S008300) SUP (LT06978 LT07182)

Service	Details
LU07230	LU07230 M.C.S. ENTRIES = ++PTF (LU07230) REWORK(2022293) ENHANCEMENT TO DROP PLANS WITH DBSRFPR ENHANCEMENT DESCRIPTION: This enhancement provides the ability for DBSRFPR to drop plans by using a generic leading plan name. EXAMPLE: PARM='DROP PLAN=authid.plan-name*' This can be used to drop all versions of a plan. PRODUCT(S) AFFECTED: DATAKOM SQL Release 15.1 Related Problem: SQL 18228 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01074-DCM151 DESC(ENHANCEMENT TO DROP PLANS WITH DBSRFPR). ++VER (Z038) FMID (CAVEF10) PRE (LU02898 LU03984) SUP (LT07230 R095235 TR95235) ++HOLD (LU07230) SYSTEM FMID(CAVEF10) REASON (DOC) DATE (22293) COMMENT (+-----+ DATAKOM SQL Release 15.1 +-----+ ***** * PUBLICATION * ***** Documentation for the new DROP PLANS with DBSRFPR included in this solution can be found in the Datacom Core - 15.1 TechDocs space, which can be found at the following link by carefully removing the imbedded blanks it contains: https://techdocs.broadcom.com/us/en/ca-mainframe-software/database-management/ca-datacom/15-1/using/using-sql/dbsrfpr-utility-sql-upgrade-rebind.html).

Datacom/AD 15.1
CA RS 2211 - PTF LU07312 Details

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Service	Details
LU07312	LU07312 M.C.S. ENTRIES = ++PTF (LU07312) REWORK(2022301) ENHANCEMENT: VALIDATION SITE TESTING VSAM LINEAR FXX ENHANCEMENT DESCRIPTION: This product enhancement delivers code which implements Datacom changes to support validation site testing allowing the Force Area (FXX) to reside in a VSAM Linear dataset for Media Manager access. PRODUCT(S) AFFECTED: DATAKOM/DB Release 15.1 Related Problem: DB 18267 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01077-DCM151 DESC(ENHANCEMENT: VALIDATION SITE TESTING VSAM LINEAR FXX) . ++VER (Z038) FMID (CABDF10) PRE (LU00047 LU00189 LU00290 LU01079 LU01370 LU01916 LU02338 LU02807 LU03183 LU03700 LU03981 LU04668 LU04745 LU05611 LU05809 LU05861 LU06820 R088469 R088530 R088863 R090903 R091015 R091404 R091632 R092259 R092858 R093647 R094095 R094280 R095915 R096191 R096499 R098926 S000007 S001215 S001597 S003799 S003941 S005882 S006692 S007233 S007900 S008300 S009143 S009151 S009474 S010697 S010748 S011247 S011678 S011975 S012203 S012932 S013156 S013398 S013716 S014079 S015187) SUP (LT01302 LT02170 LT06500 LT07172 LT07312 LU01302 LU02170 LU06500 LU07172 R090535 R093585 R095564 R095833 R096204 R096568 R096824 R097343 R097416 R098085 R098879 R099067 R099171 S005131 S005301 S005962 S006715 S008032 S008749 S010617 S010624 S011501 S012809 S013882 S014070 S014951 S015912 S016049 ST04618 ST05131 ST05301 ST05961 ST05962 ST06150 ST06516 ST06715 ST07663 ST08032 ST08749 ST10617 ST10624 ST11501 ST12809 ST13882 ST14070 ST14951 ST15912 ST16049 TR90535 TR93585 TR95068 TR95564 TR95833 TR96204 TR96568 TR96824 TR97343 TR97416 TR98085 TR98879 TR99067 TR99171 VC90081)

Service	Details				
LU07338	LU07338 M.C.S. ENTRIES = ++PTF (LU07338) REWORK(2022285) MF: ALLOW DATACOM SERVER TO INITIALIZE WITH VIPA/DVIPA PROBLEM DESCRIPTION: The Datacom Server mainframe region will not initialize when using a VIPA/DVIPA. SYMPTOMS: The Server mainframe region start-up terminates with the following message: DB1: exceeded tcp time limit to init. DSV00119E-TCP/IP startup time limit exceeded DSV00120E-TCP/IP startup failed see DSV00119E for cause IMPACT: The Server mainframe will not initialize using the VIPA/DVIPA. The Datacom Multi-User Facility is not affected. CIRCUMVENTION: The Datacom Server region must use the hostname or DSN defined for the LPAR. PRODUCT(S) AFFECTED: <table> <tr> <td>DATACOM SERVER</td><td>Version 15.0</td></tr> <tr> <td>DATACOM SERVER</td><td>Version 15.1</td></tr> </table> Related Problem: DBSRV 18305 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R00146-DSR150 DESC(MF: ALLOW DATACOM SERVER TO INITIALIZE WITH VIPA/DVIPA). ++VER (Z038) FMID (CAYTF00) PRE (LU03987 R089159 R093486 S006664 S015082 S016056) SUP (LT01736 LT07338 LU01736 ST10634)	DATACOM SERVER	Version 15.0	DATACOM SERVER	Version 15.1
DATACOM SERVER	Version 15.0				
DATACOM SERVER	Version 15.1				

Service	Details
LU07344	LU07344 M.C.S. ENTRIES = ++PTF (LU07344) REWORK(2022279) ADD AD Z/OSMF WORKFLOW FOR APPLY AND ACCEPT PROBLEM DESCRIPTION: This enhancement delivers the Datacom/AD z/OSMF workflows for the Apply and Accept of Datacom/AD Version 15.1 SYMPTOMS: None IMPACT: None CIRCUMVENTION: None PRODUCT(S) AFFECTED: Datacom/AD Release 15.1 Related Problem: AD 18281 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R00008-AAX151 DESC(ADD AD Z/OSMF WORKFLOW FOR APPLY AND ACCEPT). ++VER (Z038) FMID (CAAXF10) PRE (LU03986) SUP (LT07344)

Service	Details
LU07380	LU07380 M.C.S. ENTRIES = ++PTF (LU07380) REWORK(2022279) SQLCODE -161 OR WRONG ROWS RETURNED WITH LEFT JOIN & WHERE PROBLEM DESCRIPTION: When the following are all true, a query fails to bind or returns the wrong rows: 1. There is a LEFT JOIN 2. There is a subquery in the WHERE clause that has a correlated reference to the inner table of the left join. 3. The referenced column(s) are not nullable. In this case, the correlated reference is not updated to the copy of the value that is nullable. SYMPTOMS: Bind fails with SQLCODE -161, or the query returns the wrong rows. IMPACT: The query is not successful. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: DATAKOM SQL Release 15.1 Related Problem: SQL 18317 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01081-DCM151 DESC(SQLCODE -161 OR WRONG ROWS RETURNED WITH LEFT JOIN & WHERE). ++VER (Z038) FMID (CAVEF10) PRE (LU00985 LU01216 LU02878 LU03281 LU03984 LU04449 LU05024 LU06158 LU07060 R090216 R090826 S001886 S004034 S005190 S007468 S007544 S008336 S008452 S011326 S011629 S012861 S014297 S014825) SUP (AR90216 AS05190 BR90826 CR90826 HC92212 LT05343 LT07380 LU05343 R089520 R089521 R092282 R098521 S001350 S004889 S004969 S006750 S015224 ST01350 ST04889 ST04969 ST06750 ST08489 ST10151 ST10304 ST15224 TR89520 TR89521 TR92282 TR98438 TR98521)

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CA RS 2211 - PTF LU07399 Details

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Service	Details
LU07399	LU07399 M.C.S. ENTRIES = ++PTF (LU07399) REWORK(2022277) ENHANCEMENT: PROVIDE QA EXTENDED TEST ENHANCEMENT DESCRIPTION: This product enhancement delivers updated code that is needed to facilitate internal QA testing. PRODUCT(S) AFFECTED: DATAACOM/DB Release 15.1 Related Problem: DB 18374 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01082-DCM151 DESC(ENHANCEMENT: PROVIDE QA EXTENDED TEST). ++VER (Z038) FMID (CABDF10) PRE (LU00290 LU01452 LU01863 LU03423 LU03981 LU04668 R090075 R090486 R090903 R091015 R091632 R092259 R092858 R093647 R094095 R095667 R096447 R096769 R097818 R099532 R099738 S000007 S001184 S003799 S006365 S007519 S009683 S011951 S012203 S015187) SUP (LT04166 LT04510 LT07399 LU04166 LU04510 S005206 S013463 ST03768 ST05206 ST13463)

Service	Details
LU07502	LU07502 M.C.S. ENTRIES = ++PTF (LU07502) REWORK(2022291) SOC9 IN DBSGMPR +29AA PROBLEM DESCRIPTION: This solution protects against a rare condition causing a divide by zero. SYMPTOMS: DBSGMPR SOC9 at offset 29AA. IMPACT: The application must be rerun. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: DATAKOM SQL Release 15.1 Related Problem: SQL 18444 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01083-DCM151 DESC(SOC9 IN DBSGMPR +29AA). ++VER (Z038) FMID (CAVEF10) PRE (LU03984 S008017 S012557) SUP (AC92212 AS03683 AS08017 LT07502 R092009 R093677 S003683 S004357 S005300 S006231 S008889 ST03683 ST04357 ST05300 ST05422 ST06231 ST08889 TR92009 TR93677)

Service	Details
LU07503	LU07503 M.C.S. ENTRIES = ++PTF (LU07503) REWORK(2022294) EXTEND DISPLAYS DEVICE TYPE EXCP INSTEAD OF VSAM PROBLEM DESCRIPTION: A DBUTLTY EXTEND of an AREA initialized as VSAM erroneously reports the device type as EXCP. SYMPTOMS: The EXTEND displays the device type incorrectly as EXCP instead of VSAM. IMPACT: The output from the EXTEND is misleading. CIRCUMVENTION: None PRODUCT(S) AFFECTED: DATAKOM/DB Release 15.1 Related Problem: DB 18241 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01084-DCM151 DESC(EXTEND DISPLAYS DEVICE TYPE EXCP INSTEAD OF VSAM) . ++VER (Z038) FMID (CABDF10) PRE (LU01370 LU02338 LU03183 LU03981 LU05861 R090903 R091632 R092259 R092858 R097757 R097893 S003825 S004095 S004931 S007496 S011247 S013716 S014998) SUP (LT07503 S001439 ST01439)

Service	Details
LU07557	LU07557 M.C.S. ENTRIES = ++PTF (LU07557) REWORK(2022285) DATANE REPORT NOT HONORING NON-NATIVE KEY PROBLEM DESCRIPTION: According to the DATACOM/DB documentation, a DBUTLTY DATANE ("native efficiency") report produces sequential efficiency data for the key specified as KEYNAME. However, if KEYNAME is coded as a non-native key, the report nevertheless uses the native key, ignoring the KEYNAME specification. SYMPTOMS: When a DATANE report is submitted for a non-native key, the output produced uses the native key in error. IMPACT: The DATANE report cannot be used to produce sequential efficiency data for a non-native key. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: DATACOM/DB Release 15.1 Related Problem: DB 18131 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01086-DCM151 DESC(DATANE REPORT NOT HONORING NON-NATIVE KEY). ++VER (Z038) FMID (CABDF10) PRE (LU02040 LU02536 LU03154 LU03981 LU05939 R088469 R091632 R092858 R097893 S005423 S006692) SUP (LT07557 S008181 ST08181)

Service	Details
LU07566	LU07566 M.C.S. ENTRIES = ++PTF (LU07566) REWORK(2022291) MEMORY OVERLAY WITH SQL PROCEDURES PROBLEM DESCRIPTION: When an SQL procedure contains a cursor, a memory overlay will occur. SYMPTOMS: Depending on what memory is overlaid, the symptoms will vary, including a possible MUF ABEND. IMPACT: This is a critical fix because of the unpredictable and serious symptoms. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: DATAACOM SQL Release 15.1 Related Problem: SQL 18475 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01087-DCM151 DESC(MEMORY OVERLAY WITH SQL PROCEDURES). ++VER (Z038) FMID (CAVEF10) PRE (LU03984 LU06158 S014578) SUP (LT07566)

Service	Details		
LU07676	LU07676 M.C.S. ENTRIES = ++PTF (LU07676) REWORK(2022297) AEZA ABEND EXECUTING SQL STATEMENTS WITHIN DDOL PROBLEM DESCRIPTION: An addressability ABEND occurs when issuing DDOL commands (such as SQL statements) that call 24-bit AMODE assembled modules in the program library. To avoid this, DDOL will switch to a different transaction using TASKDATLOC(BELOW) for MODE ISQL only. The transaction ID can be set in DDSYSTBL assembly, and defaults to DDSQ. SYMPTOMS: An AEZA ABEND may occur. IMPACT: No immediate impact. CIRCUMVENTION: No circumvention available. PRODUCT(S) AFFECTED: DATAKOM DATADITIONARY Release 15.1 Related Problem: DD 18145 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01089-DCM151 DESC(AEZA ABEND EXECUTING SQL STATEMENTS WITHIN DDOL). ++VER (Z038) FMID (CAADF10) PRE (LU03979 S014493) SUP (LT07676) ++HOLD (LU07676) SYSTEM FMID(CAADF10) REASON (ACTION) DATE (22297) COMMENT (<table border="1"> <tr> <td>DATAKOM DATADITIONARY</td><td>Release 15.1</td></tr> </table> SEQUENCE After Apply PURPOSE To define new transaction for DDOL SQL Mode USERS Users of DDOL SQL Mode AFFECTED KNOWLEDGE SMP/E, CICS, DDOL REQUIRED ACCESS SMP/E, CICS, DDOL, authorization to run DHFCS DUP REQUIRED ***** * STEPS TO PERFORM * ***** 1. Customers should review their CUSMAC (DDSYSTBL) source against the new CABDSAMP (DDSYSTBL) source, and update it accordingly. 2. After the update is made to CUSMAC, customers should run the JCL provided to assemble/link DDSRTLM into CUSLIB: //JOB CARD	DATAKOM DATADITIONARY	Release 15.1
DATAKOM DATADITIONARY	Release 15.1		

Service	Details
	<pre> /** // SET BDCML='CAI.NEWHLQ.9CXX_NAME.V151.CUSMAC' // SET BDCLL='CAI.NEWHLQ.9CXX_NAME.V151.CUSLIB' // SET BDTML='CAI.THLQ.CABDMAC' // SET BDTLL='CAI.THLQ.CABDLOAD' // SET VQTML='CAI.THLQ.CAVQMAC' /** //ASMSTP EXEC PGM=ASMA90,PARM='DECK,NOOBJECT',REGION=2M //SYSLIB DD DISP=SHR,DSN=&BDTML // DD DISP=SHR,DSN=&VQTML // DD DSN=SYS1.MACLIB,DISP=SHR //SYSUT1 DD UNIT=&WORK,SPACE=(1700,(400,400)) //SYSUT2 DD UNIT=&WORK,SPACE=(1700,(400,400)) //SYSUT3 DD UNIT=&WORK,SPACE=(1700,(400,400)) //SYSPUNCH DD DSN=&ASMOBJ,UNIT=SYSDA,DISP=(,PASS), // SPACE=(3120,(400,100),RLSE),DCB=BLKSIZE=3120 //SYSPRINT DD SYSOUT=* //SYSIN DD DISP=SHR,DSN=&BDCML(DDSYSTBL) /** //LNKSTP EXEC PGM=IEWL,COND=(5,LT,ASMSTP),REGION=2M, // PARM='LIST,LET,XREF,MAP,NCAL,REUS(SERIAL)' //SYSLIN DD DSN=&ASMOBJ,DISP=(OLD,DELETE) // DD DDNAME=SYSIN //SYSLMOD DD DISP=SHR,DSN=&BDCLL //SYSUT1 DD UNIT=&WORK,SPACE=(1024,(100,50)) //SYSPRINT DD SYSOUT=* //SYSLIB DD DISP=SHR,DSN=&BDTLL /** //SYSIN DD * INCLUDE SYSLIB(DDCLLPR) ORDER DDSYSTBL,DDCLLPR ENTRY DDSYSTBL MODE AMODE(31),RMODE(24) NAME DDSRTLM(R) /* // 3. Customers should update their DFHCSD to add the new DDSQ transaction to the proper group that is already installed in their CICS regions. This is done with the following JCL: //JOB CARD /** // EXPORT SYMLIST=(*) // SET BDCSD=YOUR.CICS.DFHCSD // SET CICSL=YOUR.CICS.SDFHLOAD /** /** Enter CICS/DFHCSD details for the existing SCFD transaction - /** either AD15GRP (normal use) or AD15TOR (MRO config) /** and profile AD15PRF (normal use) or AD15MRO (MRO config) // SET CSDGRP=AD15GRP (or AD15TOR for MRO) // SET CSDPRF=AD15PRF (or AD15MRO for MRO) /** //CSDTBL EXEC PGM=DFHCSDUP,REGION=2M //STEPLIB DD DISP=SHR,DSN=&CICSL //DFHCSD DD DISP=SHR,DSN=&BDCSD </pre>

Service	Details
	//SYSPRINT DD SYSOUT=*
	//SYSIN DD *,SYMBOLS=JCLONLY
	DEFINE TRANSACTION(DDSQ) PROGRAM(SCOODISP)
	GROUP(&CSDGRP) TWASIZE(64) PROFILE(&CSDPRF)
	PRIORITY(001) SPURGE(YES) TASKDATALOC(BELOW)
	/*
	//
	#4. Following the above two changes, the CICS region must be recycled to
	load the changed resident module DDSRTLM.
	).

Datacom/AD 15.1
CA RS 2211 - PTF LU07677 Details

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Service	Details
LU07677	LU07677 M.C.S. ENTRIES = ++PTF (LU07677) REWORK(2022292) ENHANCEMENT: DB00215I NOW INCLUDES THE LEVEL SET VALUE ENHANCEMENT DESCRIPTION: This product enhancement delivers updated Datacom/DB code which adds the Level Set value to the DB00215I message. PRODUCT(S) AFFECTED: DATAACOM/DB Release 15.1 Related Problem: DB 18513 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01090-DCM151 DESC(ENHANCEMENT: DB00215I NOW INCLUDES THE LEVEL SET VALUE). ++VER (Z038) FMID (CABDF10) PRE (LU01370 LU01689 LU03981 LU04345 LU04999 LU05844 LU05861 LU06892 R088469 R090486 R090903 R091015 R091404 R091632 R093647 R094095 R095548 R095667 R096499 R097526 R097757 R099997 S001708 S003799 S005738 S006957 S007190 S007900 S011247 S013716 S014507) SUP (AR97757 AS11247 AS11513 LT04872 LT07677 LU04872 R096403 R099100 R099390 S011571 S014542 ST11571 ST14542 TR96403 TR99100 TR99390) ++HOLD (LU07677) SYSTEM FMID(CABDF10) REASON (DOC) DATE (22292) COMMENT (+-----+ DATAACOM/DB Release 15.1 +-----+ ***** * PUBLICATION * ***** Documentation for the DB00215I message change included in this solution can be found in the Datacom Messages - 15.1 TechDocs space, which can be found at the following link by carefully removing the imbedded blanks it contains: https://techdocs.broadcom.com/us/en/ca-mainframe-software/ database-management/ca-datacom-messages/1-0/ ca-datacom-db-messages/processing-dbutlty-and-sql-messages/ ca-datacom-db-processing-messages-db0xxxxc/db00215i.html) .

Service	Details
LU07736	LU07736 M.C.S. ENTRIES = ++PTF (LU07736) REWORK(2022300) SQLCODE -999 WHEN CHANGING DATATYPE OF A COLUMN WITH DEFAULT PROBLEM DESCRIPTION: When changing the datatype of a column that has a default value, in certain instances the query fails and returns SQLCODE -999. SYMPTOMS: Query fails with SQLCODE -999. IMPACT: The query is not successful. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: DATAACOM SQL Release 15.1 Related Problem: SQL 18397 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01092-DCM151 DESC(SQLCODE -999 WHEN CHANGING DATATYPE OF A COLUMN WITH DEFAULT). ++VER (Z038) FMID (CAVEF10) PRE (LU00087 LU03984 LU05024 R090826 S001886 S005935) SUP (LT07736 R088480 S000426 ST00426 TR88231 TR88480)

Datacom/AD 15.1
CA RS 2211 - PTF LU07738 Details

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Service	Details
LU07738	LU07738 M.C.S. ENTRIES = ++PTF (LU07738) REWORK(2022297) ENHANCEMENT: DELIVERS CODE AS BASIS FOR FUTURE ENHANCEMENTS ENHANCEMENT DESCRIPTION: This product enhancement delivers updated code which will form the basis for code changes in the future. PRODUCT(S) AFFECTED: DATAACOM/DB Release 15.1 Related Problem: DB 18602 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01093-DCM151 DESC(ENHANCEMENT: DELIVERS CODE AS BASIS FOR FUTURE ENHANCEMENTS). ++VER (Z038) FMID (CABDF10) PRE (LU00047 LU00174 LU01079 LU02418 LU03458 LU03981 LU04345 LU04999 LU05611 LU06892 R088469 R088530 R090075 R090276 R090486 R090903 R091015 R091404 R091632 R092259 R092858 R093251 R093647 R094001 R094095 R094280 R095548 R095667 R095915 R096053 R096191 R096300 R096499 R097082 R097626 R097818 R099532 R099902 S001597 S003799 S003879 S005665 S006133 S006365 S006692 S006748 S007900 S008120 S008300 S009683 S014067 S014495 S014507 S015871) SUP (AS14998 LT00589 LT01545 LT04994 LT06978 LT07182 LT07738 LU00589 LU01545 LU04994 LU07182 R091515 R097743 S000035 S005278 S009679 S010095 S010571 S015186 S015292 ST00035 ST05278 ST09500 ST09679 ST10095 ST10571 ST15186 ST15292 TR91515 TR97743)

Service	Details
LU07802	LU07802 M.C.S. ENTRIES = ++PTF (LU07802) REWORK(2022297) VPE: PROVIDE LEVEL SET TO \$IQE EXT=2 ENHANCEMENT DESCRIPTION: This enhancement will provide level set data for IPC when the caller specifies EXT=2. This will display the modification level from the level set in the @I\$INTERNAL STATUS header for IDEAL. PRODUCT(S) AFFECTED: IPC Release 15.1 IDEAL Release 15.1 Related Problem: IPC 18554 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R00035-IPC151 DESC(VPE: PROVIDE LEVEL SET TO \$IQE EXT=2). ++VER (Z038) FMID (CAVQF10) PRE (R089915 R091729) SUP (LT04942 LT07802 S001151 S013788 ST01151 ST13788) ++IF FMID(CAVQF15) REQ(LU07803).

Service	Details
LU07812	LU07812 M.C.S. ENTRIES = ++PTF (LU07812) REWORK(2022299) SQLCODE -161 OR -999 WITH UNION AND LEFT JOIN PROBLEM DESCRIPTION: If any subselect column of a UNION is nullable, a conversion is made to make all subselects nullable for the column. A side effect of LU06158 prevents this conversion. This solution reinstates the conversion. SYMPTOMS: SQLCODE -161 or -999 is possible, or data may be shifted. IMPACT: The query cannot be executed, or returns incorrect results. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: DATAKOM SQL Release 15.1 Related Problem: SQL 18675 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01099-DCM151 DESC(SQLCODE -161 OR -999 WITH UNION AND LEFT JOIN). ++VER (Z038) FMID (CAVEF10) PRE (LU01149 LU03984 LU06158 LU06911 R097131 S001886 S005243 S005343 S006396 S007544 S010328 S011629 S012497 S016078) SUP (AS12743 BL06158 LT06654 LT07812 R089842 S004003 S010380 S012743 S013630 S014068 ST04003 ST09801 ST10380 ST12743 ST13630 ST14068 TR89842)

Service	Details	
LU07823	LU07823 M.C.S. ENTRIES = ++PTF (LU07823) REWORK(2022304)	
	ENHANCEMENT TO ADD DATACOM_OPTIMIZATION OPTION 'USE KEY'	
	ENHANCEMENT DESCRIPTION:	
	This is an enhancement to 'DATACOM_OPTIMIZATION' to provide the option 'USE KEY' override. This option can be used to specify a potentially better key for the query in an attempt to achieve better performance. Multiple 'USE KEY' options may be used in a semicolon-delimited list. Other options such as 'JOIN_METHOD' may additionally be included in this list of options. This option is available for both ON and WHERE clauses.	
	The current method of specifying an override key using a synonym or correlation name ending in "_HINT_keynm" is still in effect. If both are used, the DATACOM_OPTIMIZATION 'USE KEY' clause will take precedence.	
	Examples:	
	SELECT *	
	FROM TBL1 LEFT JOIN TBL2	
	ON TBL1.COL1 = TBL2.COL1	
	AND DATACOM_OPTIMIZATION = 'USE KEY TBL1.KEY_1; USE KEY TBL2.KEY_4';	
	OR ...	
	AND DATACOM_OPTIMIZATION = 'USE HASH JOIN; USE KEY TBL2.KEY_4';	
	PRODUCT(S) AFFECTED:	
	DATACOM SQL	Release 15.1
	Related Problem:	
	SQL 18080	
	(C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved	
	R01101-DCM151	
	DESC(ENHANCEMENT TO ADD DATACOM_OPTIMIZATION OPTION 'USE KEY').	
	++VER (Z038)	
	FMID (CAVEF10)	
	PRE (LU00985 LU00988 LU01149 LU01216 LU03984 LU04449 LU06017	
	LU06158 LU06911 LU07736 R090216 R090826 R097131 S001886	
	S004243 S005190 S005243 S005343 S006396 S006402 S006440	
	S006473 S007544 S008801 S009437 S010328 S011629 S012497	
	S012861 S013992 S014147 S014725 S015165 S016078)	
	SUP (AS12743 BL06158 LT02645 LT06654 LT07570 LT07812 LT07823	
	LU02645 LU07812 R089842 S000426 S000956 S004003 S006387	
	S010380 S012743 S013630 S014068 ST00426 ST00956 ST04003	
	ST05998 ST06383 ST06387 ST09801 ST10380 ST12743 ST13630	
	ST14068 TR89842)	
	MCS	LU06286 STARTS ON PAGE 0002
	MCS	LU07060 STARTS ON PAGE 0003
	MCS	LU07115 STARTS ON PAGE 0004
	MCS	LU07182 STARTS ON PAGE 0005
	MCS	LU07230 STARTS ON PAGE 0006
	MCS	LU07312 STARTS ON PAGE 0007
	MCS	LU07338 STARTS ON PAGE 0008
	MCS	LU07344 STARTS ON PAGE 0009
	MCS	LU07380 STARTS ON PAGE 0010
	MCS	LU07399 STARTS ON PAGE 0011
	MCS	LU07502 STARTS ON PAGE 0012
	MCS	LU07503 STARTS ON PAGE 0013
	MCS	LU07557 STARTS ON PAGE 0013

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CA RS 2211 - PTF LU07823 Details

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Service	Details		
	MCS	LU07566	STARTS ON PAGE 0014
	MCS	LU07676	STARTS ON PAGE 0015
	MCS	LU07677	STARTS ON PAGE 0018
	MCS	LU07736	STARTS ON PAGE 0019
	MCS	LU07738	STARTS ON PAGE 0020
	MCS	LU07802	STARTS ON PAGE 0021
	MCS	LU07812	STARTS ON PAGE 0021
	MCS	LU07823	STARTS ON PAGE 0022

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CA RS 2211 Product/Component Listing

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Product Family	Product	Release
Database Management	CA DATACOM/AD	15.01.00
	CA IPC	15.01.00
	CA DATACOM	15.00.00
The CA RS 2211 Product/Component Count for this release is 3		

CA RS Level	Service	FMID
CAR2211	LU07823	CAVEF10
	LU07812	CAVEF10
	LU07802	CAVQF10
	LU07738	CABDF10
	LU07736	CAVEF10
	LU07677	CABDF10
	LU07676	CAADF10
	LU07566	CAVEF10
	LU07557	CABDF10
	LU07503	CABDF10
	LU07502	CAVEF10
	LU07399	CABDF10
	LU07380	CAVEF10
	LU07344	CAAXF10
	LU07338	CAYTF00
	LU07312	CABDF10
	LU07230	CAVEF10
	LU07182	CABDF10
	LU07115	CABDF10
	LU07060	CAVEF10
	LU06286	CABDF10
CAR2210	LU07553	CABDF10
	LU07364	CABDF10
	LU07339	CABDF10
	LU07336	CABDF10
	LU07285	CAVEF10
	LU07284	CAVQF10
	LU07179	CAVEF10
	LU07172	CABDF10
	LU07156	CAVEF10
	LU07007	CABDF10
	LU06911	CAVEF10
	LU05939	CABDF10
CAR2209	LU07058	CABDF10
	LU06923	CAVEF10
	LU06896	CABDF10
	LU06892	CABDF10
	LU06889	CABDF10
	LU06820	CABDF10
	LU06772	CAVEF10
	LU06730	CABDF10
	LU06592	CABDF10
	LU06500	CABDF10
	LU06243	CABDF10
	LU06158	CAVEF10
CAR2208	LU06466	CAADF10
	LU06437	CABDF10

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All CA RS Levels Service List

CA RS Level	Service	FMID
	LU06411	CABDF10
	LU06329	CAVEF10
	LU06295	CABDF10
	LU05938	CABDF10
	LU05861	CABDF10
	LU05844	CABDF10
	LU05639	CAYTF00
CAR2207	LU06214	CAVQF10
	LU06182	CABDF10
	LU06105	CABDF10
	LU06017	CAVEF10
	LU05950	CAVEF10
	LU05859	CABDF10
	LU05782	CABDF10
	LU05727	CAADF10
	LU05613	CAYTF00
CAR2206	LU06026	CABDF10
	LU05928	CAYTF02
	LU05899	CABDF10
	LU05809	CABDF10
	LU05789	CAADF10
	LU05712	CABDF10
	LU05611	CABDF10
	LU05569	CABDF10
	LU05412	CAVEF10
	LU05394	CABDF10
	LU05391	CAVEF10
	LU05343	CAVEF10
	LU04999	CABDF10
CAR2205	LU05487	CAADF10
	LU05469	CAADF10
	LU05374	CAADF10
	LU05261	CABDF10
	LU05231	CAVEF10
	LU05105	CABDF10
	LU05049	CAADF10
	LU04745	CABDF10
CAR2204	LU05180	CABDF10
	LU05174	CABDF10
	LU05134	CABDF10
	LU05024	CAVEF10
	LU04994	CABDF10
	LU04979	CABDF10
	LU04872	CABDF10
	LU04861	CAYTF02
	LU04772	CABDF10
	LU04558	CABDF10

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All CA RS Levels Service List

CA RS Level	Service	FMID
	LU04449	CAVEF10
	LU01844	CABDF10
CAR2203	LU04747	CAYTF00
	LU04672	CABDF10
	LU04668	CABDF10
	LU04590	CAVEF10
	LU04574	CAADF10
	LU04569	CABDF10
	LU04513	CAVEF10
	LU04510	CABDF10
	LU04492	CAYTF00
	LU04456	CAVEF10
	LU04345	CABDF10
	LU03773	CAVEF10
CAR2202	LU04183	CAADF10
	LU04166	CABDF10
	LU04086	CAYTF00
	LU03914	CAVEF10
	LU03833	CAADF10
	LU03776	CABDF10
	LU03028	CABDF10
	LU02919	CABDF10
CAR2201	LU03988	CAYTF02
	LU03987	CAYTF00
	LU03986	CAAXF10
	LU03984	CAVEF10
	LU03981	CABDF10
	LU03979	CAADF10
	LU03888	CAADF10
	LU03836	CABDF10
	LU03816	CAADF10
	LU03700	CABDF10
	LU03458	CABDF10
	LU03423	CABDF10
	LU03281	CAVEF10
	LU03203	CABDF10
	LU03183	CABDF10
	LU03043	CAYTF00
	LU01391	CAVEF10
	LU01082	CAVEF10
CAR2112	LU03525	CABDF10
	LU03383	CAADF10
	LU03297	CABDF10
	LU03295	CAADF10
	LU03154	CABDF10
	LU02899	CAYTF02
	LU02882	CAYTF00

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All CA RS Levels Service List

CA RS Level	Service	FMID
	LU02878	CAVEF10
	LU02404	CAVEF10
	LU02152	CAVEF10
CAR2111	LU03070	CABDF10
	LU02970	CABDF10
	LU02943	CABDF10
	LU02910	CABDF10
	LU02898	CAVEF10
	LU02879	CAVEF10
	LU02864	CABDF10
	LU02645	CAVEF10
CAR2110	LU02807	CABDF10
	LU02698	CAVEF10
	LU02647	CAVEF10
	LU02640	CAVEF10
	LU02623	CABDF10
	LU02610	CAADF10
	LU02536	CABDF10
	LU02338	CABDF10
	LU02239	CAVEF10
	LU02159	CAYTF00
	LU01433	CAYTF00
CAR2109	LU02542	CABDF10
	LU02435	CABDF10
	LU02418	CABDF10
	LU02318	CAADF10
	LU02248	CABDF10
	LU02040	CABDF10
	LU01216	CAVEF10
CAR2108	LU02221	CABDF10
	LU02170	CABDF10
	LU02134	CABDF10
	LU02107	CABDF10
	LU02078	CAADF10
	LU02022	CABDF10
	LU01970	CABDF10
	LU01940	CABDF10
	LU01916	CABDF10
	LU01915	CABDF10
	LU01863	CABDF10
	LU01736	CAYTF00
	LU01677	CABDF10
	LU01651	CABDF10
	LU01619	CAYTF02
	LU01365	CABDF10
	LU01331	CAVEF10
	LU01153	CAVEF10

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All CA RS Levels Service List

CA RS Level	Service	FMID
CAR2107	LU01925	CABDF10
	LU01834	CAADF10
	LU01689	CABDF10
	LU01636	CABDF10
	LU01591	CABDF10
	LU01545	CABDF10
	LU01483	CAVEF10
	LU01452	CABDF10
	LU01400	CABDF10
	LU01266	CABDF10
	LU01081	CABDF10
	LU01079	CABDF10
CAR2106	SO15813	CAVEF10
	LU01484	CAVEF10
	LU01428	CAADF10
	LU01374	CABDF10
	LU01370	CABDF10
	LU01312	CABDF10
	LU01302	CABDF10
	LU01280	CABDF10
	LU01259	CAADF10
	LU01249	CAVEF10
	LU01224	CABDF10
	LU01150	CABDF10
	LU01149	CAVEF10
	LU01046	CAVEF10
	LU00988	CAVEF10
	LU00961	CABDF10
	LU00463	CAYTF00
	LU00231	CAYTF02
CAR2105	SO15660	CABDF10
	LU01022	CAADF10
	LU00985	CAVEF10
	LU00984	CABDF10
	LU00981	CAVEF10
	LU00977	CAYTF00
	LU00692	CABDF10
	LU00602	CAVEF10
	LU00472	CAADF10
	LU00425	CAVEF10
	LU00354	CAVEF10
	LU00105	CAVEF10
	LU00065	CAVEF10
CAR2104	LU00668	CAVQF10
	LU00589	CABDF10
	LU00290	CABDF10
CAR2103	SO16049	CABDF10

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All CA RS Levels Service List

CA RS Level	Service	FMID
	LU00374	CABDF10
	LU00309	CABDF10
	LU00265	CABDF10
	LU00189	CABDF10
	LU00174	CABDF10
	LU00172	CABDF10
	LU00161	CABDF10
	LU00128	CABDF10
	LU00112	CABDF10
	LU00087	CAVEF10
	LU00056	CAVEF10
	LU00047	CABDF10
CAR2102	SO16096	CABDF10
	SO16086	CABDF10
	SO16084	CAADF10
	SO16078	CAVEF10
	SO16056	CAYTF00
	SO16052	CABDF10
	SO16004	CABDF10
	SO15871	CABDF10
	LU00071	CABDF10
	LU00061	CABDF10
	LU00053	CABDF10
CAR2101	SO16036	CABDF10
	SO16006	CABDF10
	SO15947	CABDF10
	SO15912	CABDF10
	SO15889	CAVEF10
	SO15866	CAVEF10
	SO15862	CABDF10
	SO15827	CAVEF10
	SO15755	CAVEF10
	SO15728	CAVEF10
	SO15724	CAADF10
	SO15552	CABDF10
	SO15243	CABDF10
	SO15187	CABDF10
	SO15152	CABDF10
CAR2012	SO15651	CAADF10
	SO15527	CAVEF10
	SO15521	CABDF10
	SO15490	CAADF10
	SO15425	CAVEF10
	SO15342	CAVEF10
	SO15292	CABDF10
	SO14980	CABDF10
CAR2011	SO15298	CAYTF00

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All CA RS Levels Service List

CA RS Level	Service	FMID
	S015286	CAADF10
	S015224	CAVEF10
	S015186	CABDF10
	S015165	CAVEF10
	S015083	CAYTF02
	S015082	CAYTF00
	S014998	CABDF10
	S014851	CAADF10
	S014825	CAVEF10
	S014818	CABDF10
	S014813	CAVEF10
	S014667	CAVEF10
	S014578	CAVEF10
	S014423	CAVEF10
	S014067	CABDF10
CAR2010	S015008	CABDF10
	S014957	CAAXF10
	S014951	CABDF10
	S014911	CABDF10
	S014804	CAVEF10
	S014800	CAADF10
	S014765	CABDF10
	S014725	CAVEF10
	S014724	CABDF10
	S014651	CABDF10
	S014542	CABDF10
	S014507	CABDF10
	S014334	CABDF10
	S014297	CAVEF10
	S014271	CAVEF10
	S014100	CABDF10
	S014095	CABDF10
CAR2009	S014600	CAADF10
	S014495	CABDF10
	S014493	CAADF10
	S014369	CAVEF10
	S014359	CABDF10
	S014296	CABDF10
	S014256	CABDF10
	S014169	CABDF10
	S014147	CAVEF10
	S014105	CAVEF10
	S014079	CABDF10
	S013992	CAVEF10
	S013892	CAVEF10
	S011882	CABDF10
	S011872	CAAXF10

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All CA RS Levels Service List

CA RS Level	Service	FMID
CAR2008	S014115	CABDF10
	S014070	CABDF10
	S014068	CAVEF10
	S013991	CABDF10
	S013902	CAVEF10
	S013882	CABDF10
	S013810	CAADF10
	S013788	CAVQF10
	S013742	CAVEF10
	S013740	CABDF10
	S013739	CAVEF10
	S013716	CABDF10
	S013630	CAVEF10
	S013594	CABDF10
	S013581	CABDF10
	S013544	CAVEF10
	S013526	CAVEF10
	S013448	CAAXF10
	S013441	CAADF10
	S013286	CAVEF10
	S013249	CABDF10
	S013055	CAVEF10
CAR2007	S013667	CABDF10
	S013593	CABDF10
	S013463	CABDF10
	S013425	CABDF10
	S013398	CABDF10
	S013370	CABDF10
	S013173	CAVEF10
	S013156	CABDF10
	S013145	CAVEF10
	S013102	CAVEF10
	S013090	CABDF10
	R072189	CAYTF00
	R070316	CAYTF00
	R069811	CAYTF00
	R069282	CAYTF00
	R069183	CAYTF00
	R069180	CAYTF00
	R068064	CAYTF00
CAR2006	S013189	CABDF10
	S013162	CABDF10
	S013093	CAVEF10
	S013040	CABDF10
	S012962	CAVEF10
	S012932	CABDF10
	S012861	CAVEF10

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All CA RS Levels Service List

CA RS Level	Service	FMID
	S012743	CAVEF10
	S011965	CABDF10
	S011513	CABDF10
CAR2005	S012828	CABDF10
	S012809	CABDF10
	S012776	CABDF10
	S012771	CABDF10
	S012636	CABDF10
	S012632	CABDF10
	S012601	CAVEF10
	S012557	CAVEF10
	S012504	CAVEF10
	S012497	CAVEF10
	S012203	CABDF10
	S012178	CABDF10
	S011951	CABDF10
CAR2004	S012202	CAADF10
	S012165	CABDF10
	S012048	CABDF10
	S011975	CABDF10
	S011629	CAVEF10
	S011348	CAVEF10
CAR2003	S012082	CAVQF10
	S011932	CABDF10
	S011906	CABDF10
	S011692	CAADF10
	S011678	CABDF10
	S010586	CAVEF10
CAR2002	S011673	CABDF10
	S011571	CABDF10
	S011562	CABDF10
	S011501	CABDF10
	S011479	CABDF10
	S011436	CABDF10
	S011435	CABDF10
	S011403	CABDF10
	S011331	CABDF10
	S011326	CAVEF10
	S011247	CABDF10
	S011223	CAVEF10
	S011192	CAVEF10
	S010960	CAVEF10
	S010870	CABDF10
	S010702	CAVEF10
	S009941	CAYTF00
CAR2001	S011278	CABDF10
	S011244	CABDF10

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CA RS Level	Service	FMID
	S010748	CABDF10
	S010720	CABDF10
	S010697	CABDF10
CAR1912	S010776	CABDF10
	S010727	CABDF10
	S010624	CABDF10
	S010580	CABDF10
	S010571	CABDF10
	S010439	CABDF10
	S009551	CAVEF10
	S008336	CAVEF10
CAR1911	S010617	CABDF10
	S010523	CAADF10
	S010519	CABDF10
	S010467	CAVEF10
	S010466	CAADF10
	S010462	CAADF10
	S010416	CABDF10
	S010395	CABDF10
	S010380	CAVEF10
	S010373	CABDF10
	S010335	CAVEF10
	S010328	CAVEF10
	S010261	CABDF10
	S010095	CABDF10
	S010082	CABDF10
	S009994	CAVEF10
	S009683	CABDF10
	S009437	CAVEF10
	S009190	CAVEF10
CAR1910	S010109	CABDF10
	S009919	CAADF10
	S009835	CABDF10
	S009814	CAVEF10
	S009679	CABDF10
	S009494	CABDF10
	S009474	CABDF10
CAR1909	S009749	CAADF10
	S009682	CABDF10
	S009648	CABDF10
	S009610	CABDF10
	S009543	CABDF10
	S009510	CABDF10
	S009479	CABDF10
	S009464	CABDF10
	S009367	CABDF10
	S009270	CABDF10

CA RS Level	Service	FMID
	S008758	CAVEF10
CAR1908	S009219	CABDF10
	S009151	CABDF10
	S009143	CABDF10
	S008933	CAVEF10
	S008913	CAADF10
	S008889	CAVEF10
	S008801	CAVEF10
	S008749	CABDF10
	S008666	CAYTF00
	S008622	CABDF10
	S008452	CAVEF10
	S008294	CABDF10
CAR1907	S009034	CABDF10
	S008926	CABDF10
	S008775	CABDF10
	S008697	CABDF10
	S008685	CABDF10
	S008602	CABDF10
	S008590	CABDF10
	S008488	CABDF10
	S008444	CABDF10
	S008394	CABDF10
	S008374	CAVEF10
	S008110	CAYTF00
	S008017	CAVEF10
CAR1906	S008545	CAADF10
	S008500	CABDF10
	S008458	CAVQF10
	S008300	CABDF10
	S008181	CABDF10
	S008120	CABDF10
	S008032	CABDF10
	S007557	CAVEF10
	S007544	CAVEF10
CAR1905	S008152	CABDF10
	S007948	CABDF10
	S007923	CABDF10
	S007900	CABDF10
	S007867	CAVQF10
	S007846	CABDF10
	S007835	CABDF10
	S007533	CAYTF02
	S007524	CABDF10
	S007519	CABDF10
CAR1904	S007786	CABDF10
	S007735	CAADF10

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CA RS Level	Service	FMID
	S007733	CABDF10
	S007572	CAADF10
	S007564	CAADF10
	S007530	CABDF10
	S007496	CABDF10
	S007480	CABDF10
	S007468	CAVEF10
	S007461	CAVEF10
	S007425	CABDF10
	S007405	CABDF10
	S007233	CABDF10
	S007166	CABDF10
	S007008	CABDF10
	S006957	CABDF10
CAR1903	S007320	CABDF10
	S007262	CABDF10
	S007258	CABDF10
	S007234	CABDF10
	S007219	CABDF10
	S007202	CABDF10
	S007190	CABDF10
	S007141	CABDF10
	S007055	CABDF10
	S007039	CABDF10
	S007034	CABDF10
	S006999	CAVEF10
	S006945	CABDF10
	S006922	CAVEF10
	S006846	CAVEF10
	S006768	CABDF10
	S006750	CAVEF10
	S006748	CABDF10
	S004529	CAADF10
CAR1902	S007113	CABDF10
	S007076	CAVQF10
	S006840	CABDF10
	S006815	CABDF10
	S006692	CABDF10
	S006665	CAYTF02
	S006664	CAYTF00
	S006613	CABDF10
	S006547	CABDF10
	S006404	CABDF10
	S005865	CAYTF02
CAR1901	S006715	CABDF10
	S006676	CABDF10
	S006626	CAVEF10

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CA RS Level	Service	FMID
	S006551	CABDF10
	S006519	CABDF10
	S006473	CAVEF10
	S006440	CAVEF10
	S006422	CABDF10
	S006412	CAVEF10
	S006402	CAVEF10
	S006401	CABDF10
	S006396	CAVEF10
	S006387	CAVEF10
	S006366	CABDF10
	S006365	CABDF10
	S006238	CAVEF10
CAR1812	S006314	CABDF10
	S006231	CAVEF10
	S006217	CABDF10
	S006174	CAVEF10
	S006133	CABDF10
	S005985	CAADF10
	S005964	CABDF10
	S005962	CABDF10
	S005935	CAVEF10
	S005882	CABDF10
	S005562	CAVEF10
CAR1811	S005864	CABDF10
	S005778	CABDF10
	S005738	CABDF10
	S005708	CABDF10
	S005665	CABDF10
	S005617	CABDF10
	S005600	CAVEF10
	S005597	CABDF10
	S005583	CABDF10
	S005492	CABDF10
	S005423	CABDF10
	S005417	CAVEF10
	S005404	CABDF10
	S005360	CABDF10
	S005352	CAVEF10
	S005300	CAVEF10
	S005278	CABDF10
	S005096	CAYTF02
	S005095	CAYTF00
CAR1810	S005596	CABDF10
	S005383	CABDF10
	S005361	CABDF10
	S005343	CAVEF10

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CA RS Level	Service	FMID
	S005301	CABDF10
	S005243	CAVEF10
	S005239	CABDF10
	S005221	CABDF10
	S005210	CAVEF10
	S005206	CABDF10
	S005190	CAVEF10
	S005131	CABDF10
	S005085	CAVQF10
	S004938	CABDF10
	S004931	CABDF10
	S004867	CAVEF10
	S004565	CABDF10
CAR1809	S005129	CABDF10
	S004997	CABDF10
	S004978	CABDF10
	S004969	CAVEF10
	S004927	CAVEF10
	S004889	CAVEF10
	S004849	CAVEF10
	S004783	CABDF10
	S004745	CABDF10
	S004559	CABDF10
	S004538	CABDF10
	S004485	CAADF10
	S003799	CABDF10
	S003704	CABDF10
	S003692	CABDF10
CAR1808	S004646	CAYTF00
	S004357	CAVEF10
	S004298	CABDF10
	S004243	CAVEF10
	S004197	CAVEF10
	S004157	CAADF10
	S004152	CAVEF10
	S004151	CABDF10
	S004095	CABDF10
	S004057	CABDF10
	S003985	CABDF10
	S003866	CABDF10
	S003827	CABDF10
	S001837	CABDF10
	S001707	CAYTF00
	S000289	CAYTF02
	S000288	CAYTF00
	R099018	CAYTF00
CAR1807	S004096	CABDF10

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CA RS Level	Service	FMID
	S004045	CAVEF10
	S004034	CAVEF10
	S004015	CAVEF10
	S004003	CAVEF10
	S003941	CABDF10
	S003895	CAVEF10
	S003879	CABDF10
	S003853	CABDF10
	S003825	CABDF10
	S003791	CAVEF10
	S003770	CABDF10
	S003683	CAVEF10
	S001886	CAVEF10
	S001804	CABDF10
CAR1806	S001909	CAVQF10
	S001888	CABDF10
	S001724	CABDF10
	S001708	CABDF10
	S001597	CABDF10
	S001569	CABDF10
	S001512	CAVEF10
	S001439	CABDF10
	S001350	CAVEF10
	S001277	CABDF10
	S001215	CABDF10
	S000956	CAVEF10
	S000902	CAVEF10
	S000890	CAVEF10
	S000167	CABDF10
CAR1805	S001443	CABDF10
	S001390	CABDF10
	S001230	CABDF10
	S001226	CABDF10
	S001212	CABDF10
	S001184	CABDF10
	S001151	CAVQF10
	S000426	CAVEF10
CAR1804	S000922	CABDF10
	S000629	CABDF10
	S000074	CABDF10
	S000007	CABDF10
	R099997	CABDF10
	R099171	CABDF10
CAR1803	S000657	CABDF10
	S000595	CABDF10
	S000475	CABDF10
	S000436	CABDF10

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CA RS Level	Service	FMID
	S000315	CABDF10
CAR1802	S000035	CABDF10
	R099972	CAVEF10
	R099969	CAVEF10
	R099964	CAVEF10
	R099902	CABDF10
	R099886	CABDF10
	R099840	CAYTF02
	R099839	CAYTF00
	R099738	CABDF10
	R099737	CABDF10
	R099516	CABDF10
	R099067	CABDF10
CAR1801	R099675	CABDF10
	R099532	CABDF10
	R099390	CABDF10
	R099352	CABDF10
	R099100	CABDF10
CAR1712	R099168	CAVEF10
	R099051	CAVEF10
	R099007	CAVEF10
	R098973	CABDF10
	R098926	CABDF10
	R098879	CABDF10
	R098846	CABDF10
	R098800	CABDF10
	R098737	CABDF10
	R098604	CABDF10
	R098085	CABDF10
	R098045	CAYTF02
	R097050	CAYTF02
	R097049	CAYTF00
	R095900	CAYTF00
CAR1711	R098683	CABDF10
	R098636	CAADF10
	R098593	CABDF10
	R098521	CAVEF10
	R098426	CABDF10
	R098417	CABDF10
	R098393	CABDF10
	R098364	CABDF10
	R098348	CABDF10
	R098249	CABDF10
	R098231	CAADF10
	R098220	CABDF10
	R098142	CABDF10
	R098059	CABDF10

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CA RS Level	Service	FMID
CAR1710	R098254	CAYTF00
	R098204	CAADF10
	R098170	CAADF10
	R098086	CABDF10
	R097972	CABDF10
	R097932	CABDF10
	R097893	CABDF10
	R097868	CAADF10
	R097818	CABDF10
	R097757	CABDF10
	R097743	CABDF10
	R097729	CABDF10
	R097723	CABDF10
	R097700	CABDF10
	R097674	CABDF10
	R097607	CAADF10
CAR1709	R097677	CABDF10
	R097639	CABDF10
	R097626	CABDF10
	R097526	CABDF10
	R097493	CAADF10
	R097490	CABDF10
	R097467	CAVQF10
	R097460	CAADF10
	R097416	CABDF10
	R097392	CABDF10
	R097386	CAADF10
	R097382	CABDF10
	R097343	CABDF10
	R097329	CABDF10
	R097238	CABDF10
	R097236	CAVEF10
	R097225	CAVEF10
	R097209	CABDF10
	R097131	CAVEF10
	R097126	CAVEF10
CAR1708	R096797	CAVEF10
	R096118	CAVEF10
	R095978	CAVEF10
	R097082	CABDF10
	R096949	CAADF10
	R096852	CABDF10
	R096824	CABDF10
	R096821	CABDF10
	R096806	CABDF10
	R096769	CABDF10
	R096719	CABDF10

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CA RS Level	Service	FMID
	R096617	CABDF10
	R096370	CABDF10
CAR1707	R096707	CAYTF02
	R096568	CABDF10
	R096537	CAADF10
	R096499	CABDF10
	R096447	CABDF10
	R096440	CABDF10
	R096426	CABDF10
	R096420	CABDF10
	R096403	CABDF10
	R096260	CABDF10
	R096191	CABDF10
	R095487	CAADF10
CAR1706	R096346	CAADF10
	R096313	CABDF10
	R096312	CABDF10
	R096304	CAADF10
	R096300	CABDF10
	R096257	CAADF10
	R096252	CABDF10
	R096213	CABDF10
	R096204	CABDF10
	R096133	CABDF10
	R096053	CABDF10
	R095915	CABDF10
	R095833	CABDF10
	R095761	CABDF10
	R095719	CABDF10
	R095676	CABDF10
	R095600	CABDF10
	R095564	CABDF10
	R095097	CAADF10
	R094902	CABDF10
CAR1705	R095737	CAVEF10
	R095667	CABDF10
	R095609	CAVEF10
	R095548	CABDF10
	R095352	CAVEF10
	R095305	CABDF10
	R095277	CABDF10
	R095235	CAVEF10
	R095037	CABDF10
	R094176	CABDF10
CAR1704	R095080	CABDF10
	R094912	CABDF10
	R094907	CABDF10

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CA RS Level	Service	FMID
	R094783	CABDF10
	R094696	CAVEF10
	R094632	CABDF10
CAR1703	R094324	CAVEF10
	R094280	CABDF10
	R094247	CAVEF10
	R093821	CAVEF10
	R093677	CAVEF10
	R093613	CAVEF10
CAR1702	R094095	CABDF10
	R094090	CABDF10
	R094085	CABDF10
	R094001	CABDF10
	R094000	CABDF10
	R093647	CABDF10
	R093616	CABDF10
	R093587	CABDF10
	R093585	CABDF10
	R093486	CAYTF00
CAR1701	R093666	CAVEF10
	R093560	CAVEF10
	R093454	CABDF10
	R093450	CABDF10
	R093436	CABDF10
	R093373	CAADF10
	R093324	CAVEF10
	R093251	CABDF10
	R093201	CABDF10
	R093127	CABDF10
	R093092	CABDF10
	R092954	CABDF10
	R092864	CAVEF10
	R092858	CABDF10
	R092736	CAADF10
	R092663	CAYTF02
	R092600	CABDF10
	R092507	CAADF10
	R092441	CABDF10
	R092436	CABDF10
	R092398	CABDF10
	R092282	CAVEF10
	R092277	CABDF10
	R092259	CABDF10
	R092243	CABDF10
	R092173	CAVEF10
	R092064	CAVEF10
	R092009	CAVEF10

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CA RS Level	Service	FMID
	R091992	CAVEF10
	R091930	CAVEF10
	R091845	CABDF10
	R091732	CABDF10
	R091729	CAVQF10
	R091719	CAADF10
	R091648	CABDF10
	R091632	CABDF10
	R091631	CABDF10
	R091630	CABDF10
	R091587	CABDF10
	R091515	CABDF10
	R091427	CABDF10
	R091404	CABDF10
	R091394	CABDF10
	R091352	CABDF10
	R091254	CABDF10
	R091226	CAVEF10
	R091196	CAADF10
	R091185	CAADF10
	R091180	CABDF10
	R091166	CABDF10
	R091165	CABDF10
	R091141	CABDF10
	R091115	CAVEF10
	R091079	CABDF10
	R091015	CABDF10
	R090950	CAADF10
	R090903	CABDF10
	R090854	CAVEF10
	R090838	CAADF10
	R090826	CAVEF10
	R090821	CABDF10
	R090729	CAADF10
	R090607	CAVQF10
	R090586	CABDF10
	R090535	CABDF10
	R090486	CABDF10
	R090414	CAVQF10
	R090397	CABDF10
	R090276	CABDF10
	R090216	CAVEF10
	R090197	CABDF10
	R090182	CABDF10
	R090179	CABDF10
	R090156	CAVEF10
	R090155	CAVEF10

CA RS Level	Service	FMID
	R090075	CABDF10
	R090074	CAADF10
	R090065	CABDF10
	R090044	CAVEF10
	R089985	CAVQF10
	R089915	CAVQF10
	R089842	CAVEF10
	R089839	CAVEF10
	R089666	CABDF10
	R089594	CAVQF10
	R089559	CABDF10
	R089521	CAVEF10
	R089520	CAVEF10
	R088863	CABDF10
	R088617	CAVEF10
	R088611	CAVEF10
	R088550	CAVEF10
	R088530	CABDF10
	R088480	CAVEF10
	R088479	CAVEF10
	R088475	CAVEF10
	R088469	CABDF10
CAR1608	R089160	CAYTF02
	R089159	CAYTF00
CAR1605	R089016	CAYTF02
CAR1604	R088157	CAYTF02
	R088156	CAYTF00
	R087666	CAYTF02
CAR1602	R081768	CAYTF02
	R079335	CAYTF02
	R079251	CAYTF02
	R076353	CAYTF02
	R074101	CAYTF02
	R073679	CAYTF02
CAR1507	R081721	CAYTF00
CAR1506	R080137	CAYTF00
CAR1505	R079334	CAYTF00
CAR1504	R079250	CAYTF00
CAR1411	R073785	CAYTF00
	R073508	CAYTF00