

MAINFRAME APPLICATION TUNER 12.0
CA RS 2212 Service List

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Service	Description	Type
LU07426	DB2 INTERCEPT FIX	PTF
LU07790	RECURSIVE "HELP FOR HELP" WINDOWS	PTF
LU07950	ENABLE MAT TO UTILIZE CCS FEATURE REGISTRATION SERVICE.	PTF
LU07968	SQLITE DATABASE SUPPORT FOR MAT	PTF
LU07969	SQLITE DATABASE SUPPORT FOR MAT	PTF
LU07989	ENABLE PMA TO UTILIZE CCS FEATURE REGISTRATION SERVICE.	PTF
LU08006	THREADSAFE CTS GLOBAL USER EXITS	PTF
LU08310	SECURITY OR INTEGRITY PROBLEM	** PRP **
The CA RS 2212 service count for this release is 8		

MAINFRAME APPLICATION TUNER
CA RS 2212 Service List for CEESC00

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FMID	Service	Description	Type
CEESC00	LU07426	DB2 INTERCEPT FIX	PTF
	LU07790	RECURSIVE "HELP FOR HELP" WINDOWS	PTF
	LU07950	ENABLE MAT TO UTILIZE CCS FEATURE REGISTRATION SERVICE.	PTF
	LU07968	SQLITE DATABASE SUPPORT FOR MAT	PTF
	LU08006	THREADSAFE CTS GLOBAL USER EXITS	PTF
	LU08310	SECURITY OR INTEGRITY PROBLEM	** PRP **
The CA RS 2212 service count for this FMID is 6			

MAINFRAME APPLICATION TUNER
CA RS 2212 Service List for CEESC01

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FMID	Service	Description	Type
CEESC01	LU07969	SQLITE DATABASE SUPPORT FOR MAT	PTF
The CA RS 2212 service count for this FMID is 1			

MAINFRAME APPLICATION TUNER
CA RS 2212 Service List for CEETC00

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FMID	Service	Description	Type
CEETC00	LU07989	ENABLE PMA TO UTILIZE CCS FEATURE REGISTRATION SERVICE.	PTF
The CA RS 2212 service count for this FMID is 1			

MAINFRAME APPLICATION TUNER 12.0
CA RS 2212 - PTF LU07426 Details

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Service	Details
LU07426	LU07426 M.C.S. ENTRIES = ++PTF (LU07426) REWORK(2022332) DB2 INTERCEPT FIX PROBLEM DESCRIPTION: DB2 Intercept fix for the 64bit stored procedure changes SYMPTOMS: PDT triggered and native SQL collection will be interrupted IMPACT: PDT triggered and native SQL collection will be interrupted CIRCUMVENTION: N/A PRODUCT(S) AFFECTED: MAINFRAME APPLICATION TUNER Version 12.0 Related Problem: MATUNE 18378 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R00422-EES120 DESC(DB2 INTERCEPT FIX) . ++VER (Z038) FMID (CEESC00) PRE (LU03752 LU06764 LU07387 R099194 S013439) SUP (LT07426 R095427 TR95427) ++HOLD (LU07426) SYSTEM FMID(CEESC00) REASON (ACTION) DATE (22332) COMMENT (<pre> +-----+ MAINFRAME APPLICATION TUNER Version 12.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE DB2 INTERCEPT FIX +-----+-----+ USERS AFFECTED ALL MAT USers +-----+-----+ KNOWLEDGE REQUIRED MAT Administration +-----+-----+ ACCESS REQUIRED MAT Administration Libraries +-----+-----+ ***** * STEPS TO PERFORM * ***** 1. Restart the DB2 Subsystem 2. Restart the MAT server) . </pre>

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Service	Details
LU07790	M.C.S. ENTRIES = ++PTF (LU07790) REWORK(2022306) RECURSIVE "HELP FOR HELP" WINDOWS PROBLEM DESCRIPTION: When multiple Help windows are opened in succession in the Mainframe Application Tuner TSO client, each window is positioned two columns to the right of the previous window until the edge of the display is reached. At that point each new window overlays the previous window. SYMPTOMS: Because the "Help for Help" window can be recursively displayed, when the window reaches the edge of the display and begins to overlay itself, the appearance is that pressing PF1 or PF3 no longer works, or that a loop is occurring. IMPACT: There is no negative impact on the use of the product. Windows are displayed using PF1 and closed using PF3. However, confusion can arise because this action is not visible until the top window is no longer positioned against the edge of the display. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: MAINFRAME APPLICATION TUNER Version 12.0 Related Problem: MATUNE 18650 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R00427-EES120 DESC(RECURSIVE "HELP FOR HELP" WINDOWS). ++VER (Z038) FMID (CEESC00) PRE (LU01442 LU01599 LU03752 LU05932 R096173 S004126 S004801 S007227 S008560 S008951 S009173 S010640 S011303 S011902 S013025 S013439 S013981 S015133 S016277) SUP (LT07790) ++HOLD (LU07790) SYSTEM FMID(CEESC00) REASON (ACTION) DATE (22306) COMMENT (+-----+ MAINFRAME APPLICATION TUNER Version 12.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Enable help text changes. +-----+ USERS All MAT users. AFFECTED +-----+ KNOWLEDGE Stop and start MAT server and client address spaces. REQUIRED +-----+ ACCESS Stop and start MAT server and client address spaces. REQUIRED +-----+ *****

MAINFRAME APPLICATION TUNER 12.0
CA RS 2212 - PTF LU07790 Details

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Service	Details
	* STEPS TO PERFORM * ***** After this PTF has been applied, recycle all MAT server and client address spaces in order to update related help text.).

MAINFRAME APPLICATION TUNER 12.0
CA RS 2212 - PTF LU07950 Details

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Service	Details
LU07950	LU07950 M.C.S. ENTRIES = ++PTF (LU07950) REWORK(2022307) ENABLE MAT TO UTILIZE CCS FEATURE REGISTRATION SERVICE. ENHANCEMENT DESCRIPTION: This enhancement enables MAT to utilize the Feature Registration Service (FRS) that is provided by Common Components and Services (CCS). Following the Continuous Delivery model, FRS makes the information about the MAT features discoverable in IBM Function Registry for z/OS service which helps you determine what product-specific features are available and whether the feature is enabled or disabled. PRODUCT(S) AFFECTED: MAINFRAME APPLICATION TUNER Version 12.0 Related Problem: MATUNE 18762 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R00433-EES120 DESC(ENABLE MAT TO UTILIZE CCS FEATURE REGISTRATION SERVICE.). ++VER (Z038) FMID (CEESC00) PRE (LU01070 LU01442 LU01599 LU02192 LU02506 LU02631 LU02658 LU02927 LU03752 LU04724 LU05445 LU05932 LU06452 LU06517 LU06764 LU07387 LU07655 LU07790 R094521 R094523 R094695 R095096 R096173 R096674 R096751 R098861 R099194 R099706 S000527 S001740 S004126 S004661 S004801 S005304 S006253 S006630 S006959 S007227 S007230 S008560 S008897 S008951 S009173 S010640 S011045 S011303 S011902 S013025 S013439 S013755 S013981 S014455 S014662 S015065 S015133 S015933 S016277) SUP (LT01580 LT02433 LT07900 LT07950 LU01580 R095146 R097689 S009473 ST09473 TR95146 TR97689) ++HOLD (LU07950) SYSTEM FMID(CEESC00) REASON (ACTION) DATE (22307) COMMENT (<pre> +-----+ MAINFRAME APPLICATION TUNER Version 12.0 +-----+-----+ SEQUENCE Before Apply +-----+-----+ PURPOSE Apply the required CCS fix to provide the functionality that is used by this PTF +-----+-----+ USERS All users AFFECTED +-----+-----+ KNOWLEDGE SMP/E REQUIRED +-----+-----+ ACCESS 1. Access to CCS SMP/E environment REQUIRED 2. Ability to apply and deploy fixes +-----+-----+ ***** * STEPS TO PERFORM * ***** </pre>

MAINFRAME APPLICATION TUNER 12.0
CA RS 2212 - PTF LU07950 Details

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Service	Details
	Apply and implement the latest CCS PTF which includes the latest Feature Registration Service enhancements. The PTF is found here: https://support.broadcom.com/download-center/solution-detail.html?aparNo=LU04487&os=z%2FOS <pre> +-----+ MAINFRAME APPLICATION TUNER Version 12.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE Apply the fix which enables MAT to utilize the CCS FRS (Feature Registration Service). +-----+-----+ USERS All MAT users AFFECTED +-----+-----+ KNOWLEDGE MAT Administration REQUIRED +-----+-----+ ACCESS MAT Administration Libraries REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** Restart the MAT server.).</pre>

MAINFRAME APPLICATION TUNER 12.0
CA RS 2212 - PTF LU07968 Details

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Service	Details
LU07968	LU07968 M.C.S. ENTRIES = ++PTF (LU07968) REWORK(2022313) SQLITE DATABASE SUPPORT FOR MAT ENHANCEMENT DESCRIPTION: This enhancement enables the support of SQLite as an embedded database solution for MAT. The SQLite database allows for automated processing and storing of the MAT measurement data, and accessing the analysis data through the MAT REST API in the same scope as with external MAT databases, such as Datacom AD or DB. PRODUCT(S) AFFECTED: MAINFRAME APPLICATION TUNER Version 12.0 Related Problem: MATUNE 18798 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R00435-EES120 DESC(SQLITE DATABASE SUPPORT FOR MAT). ++VER (Z038) FMID (CEESC00) PRE (LU00386 LU01297 LU01442 LU01599 LU02927 LU03355 LU03489 LU03752 LU04476 LU05327 LU06901 LU07387 R094521 R099194 R099706 S000527 S000940 S001898 S004801 S005203 S005304 S005588 S005785 S006377 S006498 S006630 S008560 S009173 S013439 S014990 S015133 S015354 S016203) SUP (AL03930 AL05327 AL05448 DC14440 EC14440 LT00792 LT00865 LT00897 LT00967 LT03909 LT03912 LT03930 LT04060 LT05318 LT05426 LT05446 LT05448 LT06347 LT06420 LT06463 LT06551 LT07966 LT07968 LU00897 LU00967 LU03930 LU04060 LU05448 LU06420 LU06551) ++IF FMID(CEESC01) REQ(LU07969). ++HOLD (LU07968) SYSTEM FMID(CEESC00) REASON (ACTION) DATE (22313) COMMENT (<pre> +-----+ MAINFRAME APPLICATION TUNER Version 12.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE Apply changes to the MAT database +-----+-----+ USERS All users of Mainframe Application Tuner are affected AFFECTED by this PTF. Only users of the MAT Database integration and REST API must follow the instructions in the HOLDDATA. +-----+-----+ KNOWLEDGE Basic mainframe skills REQUIRED MAT Customization (TRCUST) procedures +-----+-----+ ACCESS No additional access rights are required. REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** After SMP/E work is complete, the MAT Database and REST API must be </pre>

Service	Details
	reconfigured and redeployed for changes to take effect. Run the MAT customization procedure (TRCUST) and re-execute Step 17 - Configure MAT Database and Enable REST API.).

Service	Details
LU07969	LU07969 M.C.S. ENTRIES = ++PTF (LU07969) REWORK(2022313) SQLITE DATABASE SUPPORT FOR MAT ENHANCEMENT DESCRIPTION: This enhancement enables the support of SQLite as an embedded database solution for MAT. The SQLite database allows for automated processing and storing of the MAT measurement data, and accessing the analysis data through the MAT REST API in the same scope as with external MAT databases, such as Datacom AD or DB. PRODUCT(S) AFFECTED: MAINFRAME APPLICATION TUNER Version 12.0 Related Problem: MATUNE 18798 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R00435-EES120 DESC(SQLITE DATABASE SUPPORT FOR MAT). ++VER (Z038) FMID (CEESC01) PRE (LU03753) SUP (LT07969) ++IF FMID(CEESC00) REQ(LU07968). ++HOLD (LU07969) SYSTEM FMID(CEESC01) REASON (ACTION) DATE (22313) COMMENT (<pre> +-----+ MAINFRAME APPLICATION TUNER Version 12.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Apply changes to the MAT database +-----+ USERS All users of Mainframe Application Tuner are affected AFFECTED by this PTF. Only users of the MAT Database integration and REST API must follow the instructions in the HOLDDATA. +-----+ KNOWLEDGE Basic mainframe skills REQUIRED MAT Customization (TRCUST) procedures +-----+ ACCESS No additional access rights are required. REQUIRED +-----+ ***** * STEPS TO PERFORM * ***** After SMP/E work is complete, the MAT Database and REST API must be reconfigured and redeployed for changes to take effect. Run the MAT customization procedure (TRCUST) and re-execute Step 17 - Configure MAT Database and Enable REST API.).</pre>

MAINFRAME APPLICATION TUNER 12.0
CA RS 2212 - PTF LU07989 Details

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Service	Details
LU07989	LU07989 M.C.S. ENTRIES = ++PTF (LU07989) REWORK(2022311) ENABLE PMA TO UTILIZE CCS FEATURE REGISTRATION SERVICE. ENHANCEMENT DESCRIPTION: This PTF enables the visibility of the Performance Management Assistant (PMA) component of MAT in the Feature Registration Service (FRS) that is provided by Common Components and Services (CCS). FRS makes the information about the MAT features and the PMA component discoverable in IBM Function Registry for z/OS service. PRODUCT(S) AFFECTED: MAINFRAME APPLICATION TUNER Version 12.0 Related Problem: MATUNE 18779 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R00436-EES120 DESC(ENABLE PMA TO UTILIZE CCS FEATURE REGISTRATION SERVICE.). ++VER (Z038) FMID (CEETC00) PRE (LU02926 LU03754 R098930 S012123 S013397 S013756 S014831) SUP (LT07946 LT07989) ++HOLD (LU07989) SYSTEM FMID(CEETC00) REASON (ACTION) DATE (22311) COMMENT (<pre> +-----+ MAINFRAME APPLICATION TUNER Version 12.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE Apply the fix which enables PMA to utilize the CCS FRS (Feature Registration Service). +-----+-----+ USERS PMA users AFFECTED +-----+-----+ KNOWLEDGE PMA skills REQUIRED +-----+-----+ ACCESS PMA installation libraries REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** After the SMP/E work is completed, perform the following actions: 1. Re-execute PMA customization step 9 - Create PMA Start Exec 2. Re-execute PMA customization step 10 - Create PMA JCL Member and JCL Procs 3. Restart the PMA and SPOOL server.).</pre>

MAINFRAME APPLICATION TUNER 12.0
CA RS 2212 - PTF LU08006 Details

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Service	Details
LU08006	LU08006 M.C.S. ENTRIES = ++PTF (LU08006) REWORK(2022320) THREADSAFE CTS GLOBAL USER EXITS ENHANCEMENT DESCRIPTION: This enhancement provides the option to install Mainframe Application Tuner's CICS Transaction Server (CTS) Global User Exits as Threadsafe. Mainframe Application Tuner uses the following CTS Global User Exits: XPCFTCH - Before an application program is given control. XPCREQC - After a LINK request has been completed. XMNOUT - Before a record is to be written to SMF. XSTOUT - Before a statistics record is written to SMF. In the CTS Open Transaction Environment, when application programs, task-related user exit (TRUE) programs, global user exit (GLUE) programs, and user-replaceable modules are defined to CTS as threadsafe, they can run concurrently on open TCBs. With this enhancement, the above exits will, by default, be installed as Quasi-Reentrant. This requires that they run single-threaded on the CTS QR TCB. However, these exits can be optionally installed as Threadsafe. Using Threadsafe may, depending on your applications, reduce TCB switching in CTS. PRODUCT(S) AFFECTED: MAINFRAME APPLICATION TUNER Version 12.0 Related Problem: MATUNE 18239 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R00437-EES120 DESC(THREADSAFE CTS GLOBAL USER EXITS). ++VER (Z038) FMID (CEESC00) PRE (LU01442 LU01599 LU03057 LU03489 LU03752 LU05932 LU06452 LU07157 LU07790 LU07950 R096173 R096674 R096873 R096915 R099194 S001740 S004126 S004661 S004801 S005304 S006630 S007227 S007230 S008560 S008842 S008951 S009173 S010640 S010901 S011303 S011902 S013025 S013439 S013755 S013981 S014990 S015065 S015133 S016277) SUP (LT07255 LT08006) ++HOLD (LU08006) SYSTEM FMID(CEESC00) REASON (ACTION) DATE (22320) COMMENT (-----+-----

Service	Details
	<pre> REQUIRED CTS Customization. +-----+-----+ ***** * STEPS TO PERFORM * ***** After this PTF has been applied, do the following: 1. Recycle your MAT server address space. 2. If you do not wish to use MAT's CTS Global User Exits in Threadsafe mode, you may ignore the remaining steps. 3. In each of the following steps, the term "affected CTS regions" refers to all CTS regions where it is desired to use MAT's Global User exits in Threadsafe mode. 4. Shutdown the affected CTS regions. 5. Run MAT Customization step 10 once for each affected CTS region. Be sure to submit the job that updates the MAT program definitions in the CSD, and follow all instructions regarding changes to the CTS Program Load Table (PLTPI and PLTSD) and System Initialization Table (SIT) parameters. 6. Restart the affected CTS regions.). ++HOLD (LU08006) SYSTEM FMID(CEESC00) REASON (DOC) DATE (22320) COMMENT (+-----+ MAINFRAME APPLICATION TUNER Version 12.0 +-----+ ***** * PUBLICATION * ***** You can view documentation for Mainframe Application Tuner on our documentation portal at techdocs.broadcom.com). </pre>

Service	Details
LU08310	LU08310 M.C.S. ENTRIES = ++PTF (LU08310) REWORK(2022334) 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: MAINFRAME APPLICATION TUNER Version 12.0 Related Problem: MATUNE 19044 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R00438-EES120 DESC(SECURITY OR INTEGRITY PROBLEM). ++VER (Z038) FMID (CEESC00) PRE (LU01599 LU02531 LU02631 LU02658 LU02927 LU03752 LU05445 LU06452 LU06517 LU07387 LU07655 LU07950 R094521 R094523 R096751 R098861 R099194 R099706 S000527 S001740 S004661 S004801 S006959 S007230 S009066 S013439 S013755 S014455 S014662 S015065 S015133) SUP (HC14440 LT02433 LT08310 R096177 TR96067 TR96177) ++HOLD (LU08310) SYSTEM FMID(CEESC00) REASON (ACTION) DATE (22334) COMMENT (<pre> +-----+ MAINFRAME APPLICATION TUNER Version 12.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE Security or Integrity Problem fix +-----+-----+ USERS AFFECTED ALL MAT USers +-----+-----+ KNOWLEDGE REQUIRED MAT Administration +-----+-----+ ACCESS REQUIRED MAT Administration Libraries +-----+-----+ ***** * STEPS TO PERFORM * </pre>

MAINFRAME APPLICATION TUNER 12.0
CA RS 2212 - PTF LU08310 Details

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Service	Details
	***** 1. Restart the MAT server).

MAINFRAME APPLICATION TUNER 12.0
CA RS 2212 Product/Component Listing

Product Family	Product	Release
DevOps	CA MAT @DAM COMPONENT	12.00.00
	CA MAT BASE COMPONENT	12.00.00
	PERFORMANCE MANAGEMENT ASSISTANT	12.00.00
	COMMON SYMBOLIC COMPONENT	11.00.00
The CA RS 2212 Product/Component Count for this release is 4		

MAINFRAME APPLICATION TUNER 12.0
All CA RS Levels Service List

CA RS Level	Service	FMID
CAR2212	LU08310	CEESC00
	LU08006	CEESC00
	LU07989	CEETC00
	LU07969	CEESC01
	LU07968	CEESC00
	LU07950	CEESC00
	LU07790	CEESC00
	LU07426	CEESC00
CAR2211	LU07678	CEESC00
	LU07655	CEESC00
	LU07560	CAVHB00
	LU07157	CEESC00
CAR2210	LU07492	CEESC01
	LU07387	CEESC00
	LU06855	CAVHB00
CAR2209	LU06959	CEESC00
	LU06901	CEESC00
	LU06882	CEESC00
	LU06764	CEESC00
	LU06517	CEESC00
	LU05932	CEESC00
CAR2208	LU06551	CEESC00
	LU06550	CEESC00
	LU06452	CEESC00
	LU06405	CAVHB00
CAR2207	LU06420	CEESC00
	LU06308	CEESC00
	LU06042	CEESC00
	LU05947	CAVHB00
	LU05445	CEESC00
CAR2206	LU05710	CEETC00
	LU05707	CEESC00
	LU05653	CEESC00
	LU05303	CEESC00
CAR2205	LU05659	CEESC00
	LU05540	CAVHB00
	LU05498	CEESC01
	LU05448	CEESC00
	LU05395	CEESC00
	LU05327	CEESC00
CAR2204	LU05145	CEESC00
	LU05141	CEESC00
	LU04819	CEESC01
	LU04274	CEESC00
	LU03826	CAVHB00
CAR2203	LU04724	CEESC00
	LU04665	CAVHB00

CA RS Level	Service	FMID
	LU04564	CAVHB00
	LU04477	CEESC01
	LU04476	CEESC00
	LU03432	CAVHB00
	LU03057	CEESC00
CAR2202	LU04390	CAVHB00
	LU04095	CEESC00
CAR2201	LU04060	CEESC00
	LU03930	CEESC00
	LU03755	CEY3C00
	LU03754	CEETC00
	LU03753	CEESC01
	LU03752	CEESC00
CAR2112	LU03489	CEESC00
	LU03476	CAVHB00
	LU03356	CEESC01
	LU03355	CEESC00
	LU03175	CEESC00
CAR2111	LU03076	CEESC00
	LU02927	CEESC00
	LU02926	CEETC00
	LU02366	CEESC00
CAR2110	LU02658	CEESC00
	LU02631	CEESC00
CAR2109	LU02531	CEESC00
	LU02506	CEESC00
	LU02505	CEESC00
	LU02361	CEESC00
CAR2108	LU02192	CEESC00
	LU01580	CEESC00
	LU01077	CAVHB00
CAR2107	LU01697	CEESC00
	LU01600	CEESC01
	LU01599	CEESC00
	LU01579	CAVHB00
	LU01420	CEETC00
CAR2106	SO16155	CAVHB00
	LU01443	CEESC01
	LU01442	CEESC00
	LU01297	CEESC00
	LU01018	CEESC00
	LU00990	CEESC00
	LU00846	CEESC00
CAR2105	LU01096	CEESC00
	LU01070	CEESC00
	LU00967	CEESC00
	LU00897	CEESC00

CA RS Level	Service	FMID
	LU00676	CEESC00
	LU00502	CEESC00
CAR2104	LU00428	CEESC00
	LU00386	CEESC00
	LU00276	CEETC00
CAR2103	S016277	CEESC00
	S016263	CEESC00
	S015975	CEESC00
	S015880	CEY3C00
CAR2102	S016203	CEESC00
	S016062	CEESC00
	S015933	CEESC00
	S015822	CEESC00
	S015636	CAVHB00
	S015322	CAVHB00
CAR2101	S015887	CAVHB00
	S015801	CEESC00
CAR2012	S015354	CEESC00
	S015155	CEETC00
	S014311	CAVHB00
CAR2011	S015362	CEESC00
	S015133	CEESC00
	S015065	CEESC00
	S014990	CEESC00
	S014974	CEESC00
	S014931	CEESC00
	S014831	CEETC00
	S014001	CEESC00
	S013698	CEESC00
CAR2010	S014809	CEESC01
	S014662	CEESC00
	S014479	CEESC00
	S013981	CEESC00
CAR2009	S014455	CEESC00
CAR2008	S013756	CEETC00
	S013755	CEESC00
CAR2007	S013561	CEESC00
	S013492	CAVHB00
	S013440	CEESC01
	S013439	CEESC00
	S013397	CEETC00
	S012818	CEESC00
	S012785	CAVHB00
CAR2006	S013367	CEESC00
	S013246	CEY3C00
	S013236	CEETC00
	S013025	CEESC00

CA RS Level	Service	FMID
	S012789	CEESC00
	S010222	CEESC00
CAR2005	S012697	CEESC00
	S012569	CAVHB00
	S012055	CEY3C00
CAR2004	S012337	CEESC00
	S012297	CAVHB00
	S012213	CEESC00
	S012185	CEESC00
	S012123	CEETC00
	S010901	CEESC00
CAR2003	S012019	CEESC00
	S011963	CEESC00
	S011902	CEESC00
	S008355	CAVHB00
CAR2002	S011672	CEESC01
	S011590	CEESC01
	S011589	CEESC00
	S011308	CEESC00
CAR2001	S011303	CEESC00
	S011142	CEESC00
	S011045	CEESC00
CAR1912	S010784	CAVHB00
	S010640	CEESC00
	S010403	CEESC00
CAR1911	S010529	CEESC00
	S010479	CEESC00
	S010161	CEESC01
	S009473	CEESC00
CAR1910	S010215	CEESC00
	S010122	CEESC00
	S009940	CAVHB00
	S009939	CAVHB00
	S009938	CAVHB00
	S009819	CEESC00
CAR1909	S009410	CEESC00
	S009096	CAVHB00
	S007755	CAVHB00
CAR1908	S009221	CEESC00
	S009173	CEESC00
	S009140	CEESC00
	S009087	CEESC00
	S008897	CEESC00
	S008842	CEESC00
CAR1907	S009066	CEESC00
	S008989	CEESC00
	S008951	CEESC00

CA RS Level	Service	FMID
	S008888	CAVHB00
	S008745	CEESC00
	S008720	CEESC00
	S008636	CEESC00
CAR1906	S008560	CEESC00
	S008523	CEESC00
	S008514	CEESC01
	S008237	CEESC00
	S008107	CEESC00
	S007889	CEESC00
CAR1905	S008134	CEESC00
	S007984	CEESC00
	S007956	CEESC00
	S007925	CEESC01
	S007728	CEESC00
	S007685	CAVHB00
CAR1904	S007840	CEESC00
	S007761	CEESC01
	S007689	CEESC01
	S007641	CEESC00
	S007631	CEESC00
	S007566	CEESC00
	S007230	CEESC00
	S007227	CEESC00
CAR1903	S007318	CAVHB00
CAR1902	S006959	CEESC00
	S006770	CEESC00
	S006271	CAVHB00
CAR1901	S006642	CEESC00
	S006631	CEESC01
	S006630	CEESC00
	S006615	CEESC00
	S006575	CEESC00
CAR1812	S006498	CEESC00
	S006378	CEESC01
	S006377	CEESC00
	S006316	CEESC00
	S006253	CEESC00
	S006250	CAVHB00
	S006193	CEESC00
	S006101	CEY3C00
	S006100	CEESC00
CAR1811	S005786	CEESC01
	S005785	CEESC00
	S005773	CEESC00
	S005588	CEESC00
	S005295	CEESC00

CA RS Level	Service	FMID
	S005171	CAVHB00
	S004766	CEESC00
CAR1810	S005304	CEESC00
CAR1809	S005204	CEESC01
	S005203	CEESC00
	S004801	CEESC00
	S004585	CAVHB00
	S004181	CAVHB00
	S004126	CEESC00
CAR1808	S004661	CEESC00
	S004528	CAVHB00
	S003999	CEESC01
CAR1807	S004111	CAVHB00
	S003810	CEESC00
	S003789	CEETC00
	S003592	CEESC00
	S001561	CEESC00
CAR1806	S003716	CEESC01
	S001929	CAVHB00
	S001898	CEESC00
	S001740	CEESC00
CAR1805	S001628	CEESC00
	S001094	CEESC01
	S001062	CAVHB00
	S000905	CEESC01
	S000904	CEESC00
	S000526	CEESC00
	S000337	CEESC00
CAR1804	S000940	CEESC00
	S000918	CEESC00
	S000826	CEESC00
	S000798	CAVHB00
	S000505	CAVHB00
CAR1803	S000672	CEESC00
	S000592	CEESC00
	S000528	CEESC01
	S000527	CEESC00
	S000390	CEESC00
	S000366	CEESC00
	S000196	CEESC00
CAR1802	S000114	CAVHB00
	S000073	CEETC00
	S000033	CEESC00
	R099940	CEESC00
	R099707	CEESC01
CAR1801	R099723	CAVHB00
	R099706	CEESC00

CA RS Level	Service	FMID
	R099698	CEESC00
	R099416	CEESC00
	R099041	CAVHB00
CAR1712	R099194	CEESC00
	R098930	CEETC00
	R098929	CEY3C00
	R098861	CEESC00
	R098484	CEESC00
CAR1711	R098579	CAVHB00
CAR1710	R097752	CEESC00
	R097689	CEESC00
CAR1709	R097599	CEESC00
	R097431	CAVHB00
	R097281	CEESC00
CAR1708	R097178	CEESC00
	R096915	CEESC00
	R096895	CEESC00
	R096873	CEESC00
	R096868	CEESC00
	R096841	CEESC00
	R096768	CEESC00
CAR1707	R096885	CEESC00
	R096751	CEESC00
	R096674	CEESC00
	R096572	CEESC00
	R096511	CEESC00
	R096507	CEESC00
	R096358	CEESC00
	R095389	CEESC00
CAR1706	R096177	CEESC00
	R096173	CEESC00
	R096082	CEESC00
	R095904	CEESC00
	R095591	CEETC00
	R095146	CEESC00
CAR1705	R095427	CEESC00
	R095409	CEESC00
	R095398	CEESC00
	R095096	CEESC00
CAR1704	R095014	CEESC00
	R094986	CEESC00
	R094896	CEESC00
	R094695	CEESC00
CAR1703	R094523	CEESC00
	R094521	CEESC00
	R094511	CEESC00
	R094455	CEESC00