

Service	Description	Type
LU05155	PERFORMANCE DEGRADED FOR REPORTS WITH INDEX OR WITH LU04788	PTF
LU05161	BATCH PROCESSOR CALLS TO DSN PROC PASSES DASH COMMENT IN TSO	PTF
LU05162	RMA091E ISSUED WHEN ALTERING INDEX WITH DSSIZE 0.	PTF
LU05225	INFRASTRUCTURE FOR FUTURE ENHANCEMENTS / FIX FOR PFL0187E	PTF
LU05271	SUPPORT FOR CONNECTION TYPE STABILITY	PTF
LU05292	INFRASTRUCTURE ENHANCEMENT FOR A FUTURE VERSION OF DB2	PTF
LU05296	RMA047W ISSUED SOURCE CREATED PROCEDURE WITH PARAMETER LIST	PTF
LU05304	INFRASTRUCTURE FOR FUTURE ENHANCEMENTS / FIX FOR PFL0187E	PTF
LU05305	INFRASTRUCTURE FOR FUTURE ENHANCEMENTS / FIX FOR PFL0187E	PTF
LU05312	EXPLAIN PHYSICAL RULES ENHANCEMENT FOR A FUTURE DB2 VERSION	PTF
LU05313	EXPLAIN PHYSICAL RULES ENHANCEMENT FOR A FUTURE DB2 VERSION	PTF
LU05331	NO DDL GENERATED WHEN COMPARE STRATEGY RETURNS RC=4	PTF
LU05335	RMA047W ISSUED SOURCE CREATED PROCEDURE WITH PARAMETER LIST	PTF
LU05347	INFRASTRUCTURE FOR FUTURE ENHANCEMENT	PTF
LU05348	SOC2/S878, SOC7, SOC1, OR COLUMN ENDS OUTSIDE INPUT	PTF
LU05349	SOC2/S878, SOC7, SOC1, OR COLUMN ENDS OUTSIDE INPUT	PTF
LU05350	STORAGE SHORTAGE WHEN BUFNO IS SPECIFIED IN A DSN TEMPLATE	PTF
LU05352	SMF REPORTS ABENDS AND MALFUNCTIONS	** PRP **
LU05359	RMA657W MESSAGE INCORRECTLY ISSUED	PTF
LU05361	SECURITY OR INTEGRITY PROBLEM	** PRP **
LU05364	SECURITY OR INTEGRITY PROBLEM	** PRP **
LU05366	THE LOGLABEL UTILITY FAILS WITH SQL ERROR CODE -330	PTF
LU05367	SOC2/S878, SOC7, SOC1, OR COLUMN ENDS OUTSIDE INPUT	PTF
LU05377	FOOTPRINT UPDATE JOB FAILS WHEN SSID HAS TRAILING BLANKS	PTF
LU05382	DDL00002 ISSUED WHEN CHECKING ALTER TABLE DROP COLUMN	PTF
LU05387	CONSISTENT FLASHCOPY IC NOT REGISTERED TO SYSIBM.SYSCOPY	PTF
LU05396	SOC4-04 UTLFUULC+66D0/CSV INVALID OUTPUT FOR BLOB	PTF
LU05397	SOC4-04 UTLFUULC+66D0/CSV INVALID OUTPUT FOR BLOB	PTF
LU05401	SQLCODE -518 WHEN PROCESSING ROUTINES AND ACM OR REMOTE USED	PTF
LU05407	MULTIPLE ISSUES WITH SYSTEM (SY) REPORTS	PTF
LU05408	MULTIPLE ISSUES WITH SYSTEM (SY) REPORTS	PTF
LU05422	PQC REFACTORING ENGINE 6	PTF
LU05423	PQC0461E OCCURS WHEN EXECUTING A PQC UTILITY	PTF
LU05457	PFL VSAM DATA SETS SPACE ESTIMATION	PTF
LU05461	DISPLAY SPACENAME DETAIL FOR THE SELECTED DISPLAY ROW	PTF
LU05464	MOVE INSIGHT MESSAGES ABOVE THE 16M LINE	PTF
LU05495	HELP PANEL FOR MESSAGES RAP325E AND RAP326E IS OUTDATED	PTF
LU05496	INDEX_SEARCH (N) PARMLIB OPTION GENERATES INCORRECT SQL	PTF
LU05497	EXCEPTION DEFINITION MANAGEMENT USING JSON	PTF
LU05503	ABEND 0C4-38 IN DT\$DIU	PTF
LU05505	INCORRECT LINE COMMAND EXECUTION FROM PK-UA REPORT	PTF
LU05511	POST-INSTALL ENDS WITH SOC1 ABEND ON COMPRPT STEP	PTF
LU05515	ASYN_RIO, ASYN_RPG AND ASYN_RPI COLUMNS SHOWING ZEROES	PTF
LU05520	PRODUCT LICENSE PROCESSING	PTF
LU05528	ALTER TABLE ADD CONSTRAINT ISSUES	PTF
LU05530	DETECTOR COLLECTION STATUS PANEL MISSING DATA FROM OWN LPAR	PTF
LU05534	PUT6204E ERROR WITH DISCARDS/SOC4 WITH RESUME NO/PFL0301E	** PRP **

DB2 Tools 20.0
CA RS 2205 Service List

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Service	Description	Type
LU05535	PUT6204E ERROR WITH DISCARDS/SOC4 WITH RESUME NO/PFL0301E	PTF
LU05545	DETECTOR MAY INCUR AN S04E ABEND IN THE RECOVERY ROUTINE	PTF
LU05547	EXCESSIVE PXM0203 MESSAGES	PTF
LU05555	ALIAS LIST REPORT FAILS WITH -918 SQLERROR	PTF
LU05564	SOC1 IN AMXACTDE FOR REAL TIME EXCEPTIONS	PTF
LU05590	INCORRECT ALTER DDL WHEN ADDING PARTITION TO AN ICP TABLE	PTF
LU05600	THE SQL BASED APPLICATION EXCEPTION IS FALSELY RAISED.	PTF
LU05606	LIMIT SQL TEXT LENGTH FIELD TO 4000 IN IFCID 145	PTF
LU05647	ABEND SOC4-11 NGRABP6C+2C8 IN EXCEPTION SYSTEM	PTF
LU05663	SYSIN CONCATENATION DD STATEMENT MISPLACED IN ACTION JCL	** PRP **
LU05681	CORRECTION TO SPLIT AND FIND COMMANDS FOR OBJECT INFO TEXT	PTF
LU05684	CORRECTION TO INDEX STATS DURING NPI REBUILD WITH MAXTASKS>1	PTF
LU05687	SUPPORT FOR NEW DB2 12 STATEMENT POOL PAGES METRICS	PTF
LU05695	PFR BY-PART NOT ABLE TO READ FROM ONE COPY OF ALL PBR2 PARTS	PTF
The CA RS 2205 service count for this release is 61		

DB2 Tools
CA RS 2205 Service List for CAHOK00

FMID	Service	Description	Type
CAHOK00	LU05377	FOOTPRINT UPDATE JOB FAILS WHEN SSID HAS TRAILING BLANKS	PTF
The CA RS 2205 service count for this FMID is 1			

DB2 Tools
CA RS 2205 Service List for CIDBK00

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FMID	Service	Description	Type
CIDBK00	LU05271	SUPPORT FOR CONNECTION TYPE STABILITY	PTF
	LU05464	MOVE INSIGHT MESSAGES ABOVE THE 16M LINE	PTF
	LU05497	EXCEPTION DEFINITION MANAGEMENT USING JSON	PTF
	LU05564	SOC1 IN AMXACTDE FOR REAL TIME EXCEPTIONS	PTF
	LU05600	THE SQL BASED APPLICATION EXCEPTION IS FALSELY RAISED.	PTF
	LU05606	LIMIT SQL TEXT LENGTH FIELD TO 4000 IN IFCID 145	PTF
	LU05647	ABEND SOC4-11 NGRABP6C+2C8 IN EXCEPTION SYSTEM	PTF
	LU05687	SUPPORT FOR NEW DB2 12 STATEMENT POOL PAGES METRICS	PTF
The CA RS 2205 service count for this FMID is 8			

FMID	Service	Description	Type
CINSK00	LU05161	BATCH PROCESSOR CALLS TO DSN PROC PASSES DASH COMMENT IN TSO	PTF
	LU05162	RMA091E ISSUED WHEN ALTERING INDEX WITH DSSIZE 0.	PTF
	LU05296	RMA047W ISSUED SOURCE CREATED PROCEDURE WITH PARAMETER LIST	PTF
	LU05312	EXPLAIN PHYSICAL RULES ENHANCEMENT FOR A FUTURE DB2 VERSION	PTF
	LU05331	NO DDL GENERATED WHEN COMPARE STRATEGY RETURNS RC=4	PTF
	LU05347	INFRASTRUCTURE FOR FUTURE ENHANCEMENT	PTF
	LU05359	RMA657W MESSAGE INCORRECTLY ISSUED	PTF
	LU05361	SECURITY OR INTEGRITY PROBLEM	** PRP **
	LU05364	SECURITY OR INTEGRITY PROBLEM	** PRP **
	LU05366	THE LOGLABEL UTILITY FAILS WITH SQL ERROR CODE -330	PTF
	LU05367	SOC2/S878, SOC7, SOC1, OR COLUMN ENDS OUTSIDE INPUT	PTF
	LU05382	DDL00002 ISSUED WHEN CHECKING ALTER TABLE DROP COLUMN	PTF
	LU05396	SOC4-04 UTLFUULC+66D0/CSV INVALID OUTPUT FOR BLOB	PTF
	LU05401	SQLCODE -518 WHEN PROCESSING ROUTINES AND ACM OR REMOTE USED	PTF
	LU05407	MULTIPLE ISSUES WITH SYSTEM (SY) REPORTS	PTF
	LU05511	POST-INSTALL ENDS WITH SOC1 ABEND ON COMPRT STEP	PTF
	LU05520	PRODUCT LICENSE PROCESSING	PTF
	LU05547	EXCESSIVE PXM0203 MESSAGES	PTF
	LU05590	INCORRECT ALTER DDL WHEN ADDING PARTITION TO AN ICP TABLE	PTF
The CA RS 2205 service count for this FMID is 19			

DB2 Tools
CA RS 2205 Service List for COFSK00

FMID	Service	Description	Type
COFSK00	LU05335	RMA047W ISSUED SOURCE CREATED PROCEDURE WITH PARAMETER LIST	PTF
	LU05528	ALTER TABLE ADD CONSTRAINT ISSUES	PTF
The CA RS 2205 service count for this FMID is 2			

DB2 Tools
CA RS 2205 Service List for CPDAK00

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FMID	Service	Description	Type
CPDAK00	LU05495	HELP PANEL FOR MESSAGES RAP325E AND RAP326E IS OUTDATED	PTF
	LU05663	SYSIN CONCATENATION DD STATEMENT MISPLACED IN ACTION JCL	** PRP **
The CA RS 2205 service count for this FMID is 2			

DB2 Tools
CA RS 2205 Service List for CPDTK00

FMID	Service	Description	Type
CPDTK00	LU05503	ABEND 0C4-38 IN DT\$DIU	PTF
	LU05530	DETECTOR COLLECTION STATUS PANEL MISSING DATA FROM OWN LPAR	PTF
	LU05545	DETECTOR MAY INCUR AN S04E ABEND IN THE RECOVERY ROUTINE	PTF
The CA RS 2205 service count for this FMID is 3			

DB2 Tools
CA RS 2205 Service List for CPFLK00

FMID	Service	Description	Type
CPFLK00	LU05225	INFRASTRUCTURE FOR FUTURE ENHANCEMENTS / FIX FOR PFL0187E	PTF
	LU05348	S0C2/S878, S0C7, S0C1, OR COLUMN ENDS OUTSIDE INPUT	PTF
	LU05457	PFL VSAM DATA SETS SPACE ESTIMATION	PTF
	LU05534	PUT6204E ERROR WITH DISCARDS/S0C4 WITH RESUME NO/PFL0301E	** PRP **
The CA RS 2205 service count for this FMID is 4			

DB2 Tools
CA RS 2205 Service List for CPFUK00

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FMID	Service	Description	Type
CPFUK00	LU05304	INFRASTRUCTURE FOR FUTURE ENHANCEMENTS / FIX FOR PFL0187E	PTF
	LU05397	S0C4-04 UTLFUULC+66D0/CSV INVALID OUTPUT FOR BLOB	PTF
The CA RS 2205 service count for this FMID is 2			

DB2 Tools
CA RS 2205 Service List for CPLAK00

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FMID	Service	Description	Type
CPLAK00	LU05155	PERFORMANCE DEGRADED FOR REPORTS WITH INDEX OR WITH LU04788	PTF
	LU05352	SMF REPORTS ABENDS AND MALFUNCTIONS	** PRP **
	LU05496	INDEX_SEARCH (N) PARMLIB OPTION GENERATES INCORRECT SQL	PTF
The CA RS 2205 service count for this FMID is 3			

DB2 Tools
CA RS 2205 Service List for CPPAK00

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FMID	Service	Description	Type
CPPAK00	LU05313	EXPLAIN PHYSICAL RULES ENHANCEMENT FOR A FUTURE DB2 VERSION	PTF
The CA RS 2205 service count for this FMID is 1			

DB2 Tools
CA RS 2205 Service List for CPRFK00

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FMID	Service	Description	Type
CPRFK00	LU05681	CORRECTION TO SPLIT AND FIND COMMANDS FOR OBJECT INFO TEXT	PTF
The CA RS 2205 service count for this FMID is 1			

DB2 Tools
CA RS 2205 Service List for CPSAK00

FMID	Service	Description	Type
CPSAK00	LU05461	DISPLAY SPACENAME DETAIL FOR THE SELECTED DISPLAY ROW	PTF
	LU05515	ASYN_RIO, ASYN_RPG AND ASYN_RPI COLUMNS SHOWING ZEROES	PTF
The CA RS 2205 service count for this FMID is 2			

DB2 Tools
CA RS 2205 Service List for CPUTK00

FMID	Service	Description	Type
CPUTK00	LU05292	INFRASTRUCTURE ENHANCEMENT FOR A FUTURE VERSION OF DB2	PTF
	LU05305	INFRASTRUCTURE FOR FUTURE ENHANCEMENTS / FIX FOR PFL0187E	PTF
	LU05349	SOC2/S878, SOC7, SOC1, OR COLUMN ENDS OUTSIDE INPUT	PTF
	LU05423	PQC0461E OCCURS WHEN EXECUTING A PQC UTILITY	PTF
	LU05535	PUT6204E ERROR WITH DISCARDS/SOC4 WITH RESUME NO/PFL0301E	PTF
The CA RS 2205 service count for this FMID is 5			

DB2 Tools
CA RS 2205 Service List for CRCQK00

FMID	Service	Description	Type
CRCQK00	LU05408	MULTIPLE ISSUES WITH SYSTEM (SY) REPORTS	PTF
	LU05505	INCORRECT LINE COMMAND EXECUTION FROM PK-UA REPORT	PTF
	LU05555	ALIAS LIST REPORT FAILS WITH -918 SQLERROR	PTF
The CA RS 2205 service count for this FMID is 3			

DB2 Tools
CA RS 2205 Service List for CUGRK00

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FMID	Service	Description	Type
CUGRK00	LU05350	STORAGE SHORTAGE WHEN BUFNO IS SPECIFIED IN A DSN TEMPLATE	PTF
	LU05387	CONSISTENT FLASHCOPY IC NOT REGISTERED TO SYSIBM.SYSCOPY	PTF
	LU05422	PQC REFACTORING ENGINE 6	PTF
	LU05684	CORRECTION TO INDEX STATS DURING NPI REBUILD WITH MAXTASKS>1	PTF
	LU05695	PFR BY-PART NOT ABLE TO READ FROM ONE COPY OF ALL PBR2 PARTS	PTF
The CA RS 2205 service count for this FMID is 5			

Service	Details
LU05155	LU05155 M.C.S. ENTRIES = ++PTF (LU05155) PERFORMANCE DEGRADED FOR REPORTS WITH INDEX OR WITH LU04788 PROBLEM DESCRIPTION: Log Analyzer for Db2 for z/OS (PLA) DML and DDL reports consume an excessive amount of CPU time. The CPU consumption increases depending on the workload and ORDERBY specification, which affects the Index to Reports cross reference frequency. In addition, applying PTF LU04788 causes similar symptoms but does not increase with the report index size. SYMPTOMS: PLA execution encounters high CPU consumption and poor performance. IMPACT: High CPU consumption and poor performance during PLA reporting. CIRCUMVENTION: Various ordering options can reduce the problem by minimizing the number of Index to Reports entries at the bottom of the PLA report. PRODUCT(S) AFFECTED: Log Analyzer for Db2 for z/OS Version 20.0 Related Problem: PLA 16543 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01933-D200 DESC (PERFORMANCE DEGRADED FOR REPORTS WITH INDEX OR WITH LU04788) . ++VER (Z038) FMID (CPLAK00) PRE (LU00132 LU00597 LU00940 LU01538 LU02381 LU03250 LU04419 LU04788 R096583 R099559 S000020 S000975 S001403 S004245 S007813 S008008 S008802 S009333 S010677 S011669 S012889 S014137) SUP (LT05155) CSECT (LAA@RDML, #@XFCALN, LAIXMSG) . CSECT (LAA@RPTO, #@XFCALN) .

Service	Details
LU05161	LU05161 M.C.S. ENTRIES = ++PTF (LU05161) The following items are included in this solution: 1. BATCH PROCESSOR CALLS TO DSN PROC PASSES DASH COMMENT IN TSO 2. SEPARATOR LINE IS MISSING AFTER SELECT STATEMENT IN PTISELDD ===== BATCH PROCESSOR CALLS TO DSN PROC PASSES DASH COMMENT IN TSO PROBLEM DESCRIPTION: In TSO, if comment lines beginning with a double dash are included in .DATA when processing a .CALL DSN, the DSN processor flags these lines as errors. SYMPTOMS: The following examples are errors that may occur: DSN9019I D12A VERB '--' IS NOT A KNOWN COMMAND DSN9023I D12A DSN9SCND '-- ' ABNORMAL COMPLETION IMPACT: When double dash comment lines are processed on-line in TSO, errors are generated, and the processing terminates with a return code 8. (When the same script is run through the Batch Processor interface, the double dash comment lines are not passed to the DSN processor and no errors are generated.) CIRCUMVENTION: Begin comment lines with a star (*) rather than with the double dash (--). PRODUCT(S) AFFECTED: DB2 Common Components Version 20.0 Related Problem: RBP 16091 ===== SEPARATOR LINE IS MISSING AFTER SELECT STATEMENT IN PTISELDD PROBLEM DESCRIPTION: In the Batch Processor (RBP) component of the Database Management Solutions for Db2 for z/OS, when a PTISELDD is used to specify the output dataset for a SELECT SQL statement, the separator line is missing after the SELECT statement in the PTISELDD dataset. SYMPTOMS: The separator line is missing after the SELECT in the PTISELDD output shown below: <pre> 000001 SELECT COUNT(*) 000002 FROM SYSIBM.SYSTABLES 000003 000004 1 ROWS RETRIEVED 000005 -----+--- 000006 #1 000007 -----+---</pre> IMPACT: User automation tests are failing due to the missing separator line. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Db2 Common Components Version 20.0 Related Problem: RBP 16550 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved

Service	Details
	R01935-D200 DESC(BATCH PROCESSOR CALLS TO DSN PROC PASSES DASH COMMENT IN TSO) . ++VER (Z038) FMID (CINSK00) PRE (LU03314 LU04412 LU04896 R099553 S001396 S006113 S009183) SUP (LT02637 LT02661 LT05161 LU02661) CSECT(BPASQLC,OUTCSECT) .

Service	Details
LU05162	M.C.S. ENTRIES = ++PTF (LU05162) RMA091E ISSUED WHEN ALTERING INDEX WITH DSSIZE 0. PROBLEM DESCRIPTION: In CA RC/Migrator for Db2 for z/OS (RCM), altering an index with DSSIZE zero, the analysis issues RMA091E error message. SYMPTOMS: RMA091E THE CURRENT CATALOG DEFINITION OF INDEX <IXCreator>.<IXName> DOES NOT MATCH THE DEFINITION WHICH EXISTED AT TIME OF EDIT. THE OBJECT WILL NOT BE ALTERED. IMPACT: The user will not be able to alter an index with DSSIZE 0. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Migrator for Db2 for z/OS Version 20.0 Related Problem: RCM 16540 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01936-D200 DESC(RMA091E ISSUED WHEN ALTERING INDEX WITH DSSIZE 0.). ++VER (Z038) FMID (CINSK00) PRE (LU00446 LU01275 LU01927 LU03657 LU04149 LU04412 RO99553 S001396 S004718 S006638 S007379 S009105 S011866 S011966 S012361 S012933 S015804) SUP (LT05162) ++HOLD (LU05162) SYSTEM FMID(CINSK00) REASON (DB2BIND) DATE (22081) COMMENT (<pre> +-----+ Db2 Common Components Version 20.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE Bind Plans and Packages +-----+-----+ USERS AFFECTED All Users +-----+-----+ KNOWLEDGE REQUIRED Db2 Tools Post Install Customization. +-----+-----+ ACCESS 1. Db2 Tools Post Install REQUIRED 2. BIND, SYSADM or SYSCNTL on Db2 subsystem. +-----+-----+ ***** * STEPS TO PERFORM * ***** DBRMs have changed as part of this maintenance. The members in the CDBASKL1 library identify the packages that must be rebound. Refer to the Installing documentation for the Database Management Solutions for Db2 for z/OS on https://techdocs.broadcom.com for more </pre>

Service	Details
	information about performing the task in the following step. 1. Use Post-Install Tailoring option to Bind Product Packages and Plans. IMPORTANT! If SYSVIEW for Db2 is installed, a 'Bind ALL' is generated, and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors.).

Service	Details
LU05225	LU05225 M.C.S. ENTRIES = ++PTF (LU05225) INFRASTRUCTURE FOR FUTURE ENHANCEMENTS / FIX FOR PFL0187E PROBLEM DESCRIPTION: 1. Fast Load for Db2 for z/OS (PFL) has been enhanced with a more maintainable code base for future development. 2. PFL issues the following message when the PTIIMSG DD statement is missing: "PFL0187E - Data set processing error". SYMPTOMS: 1. N/A. 2. PFL job abends with SA03 and "PFL0187E - Data set processing error" message. IMPACT: 1. N/A. 2. Processing fails. CIRCUMVENTION: 1. N/A. 2. Specify the PTIIMSG DD and rerun the job. PRODUCT(S) AFFECTED: Fast Load for Db2 for z/OS Version 20.0 Related Problem: PFL 16544 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01942-D200 DESC (INFRASTRUCTURE FOR FUTURE ENHANCEMENTS / FIX FOR PFL0187E). ++VER (Z038) FMID (CPFLK00) PRE (LU00136 LU00247 LU00301 LU00724 LU01349 LU01720 LU02243 LU03191 LU03210 LU03231 LU03399 LU03577 LU03684 LU03742 LU03846 LU04417 LU04616 LU04980 LU05207 R096581 R097708 S000018 S000081 S000704 S001656 S004275 S004459 S004857 S005012 S005502 S006117 S007170 S007811 S008071 S008378 S008407 S008428 S009024 S009900 S009977 S010195 S010752 S011107 S011235 S011431 S011520 S011601 S011846 S011946 S011996 S012107 S012128 S012150 S012275 S012526 S012984 S013066 S013097 S013150 S013175 S013203 S013706 S013765 S014031 S014427 S014772 S015235 S015312 S015484 S015738 S015938 S016089) SUP (LT02821 LT03038 LT05225 S012585 ST11056 ST12585 ST13122 ST15157 ST15281 ST15288) ++IF FMID(CPFUK00) REQ(LU05304) . ++IF FMID(CPUTK00) REQ(LU05305) . ++HOLD (LU05225) SYSTEM FMID(CPFLK00) REASON (MSGSKEL) DATE (22094) COMMENT (+-----+ Fast Load for Db2 for z/OS

Service	Details
	USERS
	AFFECTED All Db2 Tools Users
	+-----+
	KNOWLEDGE
	REQUIRED Db2 Tools Post Install Customization.
	+-----+
	ACCESS 1. Db2 Tools Post Install
	REQUIRED 2. BIND Authority on Db2 subsystems
	+-----+

	* STEPS TO PERFORM *

	XMESAGE components have changes as part of this maintenance.
	If you do not customize XMESAGES, no further action is required.
	If you do customize XMESAGES, after maintenance is APPLIED
	1. Re-apply XMESAGE customizations and relink XMESAGE load modules.
	Refer to the Post Installation and Customization Guide for details.
	).

Service	Details
LU05271	LU05271 M.C.S. ENTRIES = ++PTF (LU05271) SUPPORT FOR CONNECTION TYPE STABILITY PROBLEM DESCRIPTION: The CA SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) now allows you to choose whether the CONNECTION TYPE field (IQL name CONN-GROUP) is static or dynamic for DDF and CICS connections. A new SYSPARM CONN-TYPE=CURRENT ORIGINAL is now provided, and Sysview/DB2 will report the connection type based on this setting. If a DDF or CICS connection executes a stored procedure, the connection type will change to "RRS " during stored procedure execution if CONN-TYPE=CURRENT is specified or defaulted. If CONN-TYPE=ORIGINAL is specified, the connection type will not change during stored procedure execution. SYMPTOMS: IQL request WHERE clauses that use CONN-GROUP may not select threads that are executing a stored procedure. IMPACT: IQL requests function inconsistently. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Option for Db2 for z/OS Version 20.0 Related Problem: IDB2 16491 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01947-D200 DESC(SUPPORT FOR CONNECTION TYPE STABILITY). ++VER (Z038) FMID (CIDBK00) PRE (LU00299 LU01041 LU01977 LU02093 LU02096 LU02118 LU02340 LU02516 LU02634 LU02646 LU03286 LU04411 LU05006 LU05058 R096575 R099552 S001395 S004454 S006112 S006862 S007806 S008302 S008846 S009519 S009556 S010160 S010906 S011616 S011977 S012483 S012769 S013508 S013557 S013891 S014099 S014164 S014389 S014923 S015070 S015254 S016116 S016200) SUP (LT05271 S009743 S014337 S016046 ST09743 ST14337 ST16046) CSECT(NCFINITC,NCFINITM). CSECT(NGRABP2C,NGRABP2). CSECT(NGRABP2C,NGRABP2). CSECT(NGRABP2C,NGRABP2). CSECT(NGRABP2C,NGRABP2).

Service	Details						
LU05292	LU05292 M.C.S. ENTRIES = ++PTF (LU05292) INFRASTRUCTURE ENHANCEMENT FOR A FUTURE VERSION OF DB2 ENHANCEMENT DESCRIPTION: This is an infrastructure enhancement to support a future version of Db2. PRODUCT(S) AFFECTED: <table> <tr> <td>Utilities Common</td><td>Version 20.0</td></tr> <tr> <td>Fast Load for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Fast Recover for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: PUT 16447 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01950-D200 DESC(INFRASTRUCTURE ENHANCEMENT FOR A FUTURE VERSION OF DB2). ++VER (Z038) FMID (CPUTK00) PRE (LU00727 LU04427 S000024 S011999 S012153 S015486) SUP (LT05292 S013596 ST13596)	Utilities Common	Version 20.0	Fast Load for Db2 for z/OS	Version 20.0	Fast Recover for Db2 for z/OS	Version 20.0
Utilities Common	Version 20.0						
Fast Load for Db2 for z/OS	Version 20.0						
Fast Recover for Db2 for z/OS	Version 20.0						

Service	Details
LU05296	LU05296 M.C.S. ENTRIES = ++PTF (LU05296) RMA047W ISSUED SOURCE CREATED PROCEDURE WITH PARAMETER LIST PROBLEM DESCRIPTION: When using RC/Migrator for Db2 for z/OS (RCM) or RC/Compare for Db2 for z/OS (RCC) to create a new Stored Procedure, the analysis issues message RMA047W without generating any DDL. When the ALTER Procedure DD is generated, the datatype is incorrectly generated as <userid>.<datatype> when the Schema is SYSIBM. SYMPTOMS: RMA047W SELECTED ROUTINE NO LONGER EXISTS. IMPACT: Users may not be able to create new Stored Procedures with multiple parameter lists. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Migrator for DB2 for z/OS Version 20.0 Related Problem: RCM 16454 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01951-D200 DESC(RMA047W ISSUED SOURCE CREATED PROCEDURE WITH PARAMETER LIST). ++VER (Z038) FMID (CINSK00) PRE (LU00446 LU03657 LU04149 LU04412 S004718 S007379 S011966 S012933 S014832) SUP (LT05296) ++IF FMID(COFSK00) REQ(LU05335) .

Service	Details
LU05304	LU05304 M.C.S. ENTRIES = ++PTF (LU05304) INFRASTRUCTURE FOR FUTURE ENHANCEMENTS / FIX FOR PFL0187E PROBLEM DESCRIPTION: 1. Fast Load for Db2 for z/OS (PFL) has been enhanced with a more maintainable code base for future development. 2. PFL issues the following message when the PTIIMSG DD statement is missing: "PFL0187E - Data set processing error". SYMPTOMS: 1. N/A. 2. PFL job abends with SA03 and "PFL0187E - Data set processing error" message. IMPACT: 1. N/A. 2. Processing fails. CIRCUMVENTION: 1. N/A. 2. Specify the PTIIMSG DD and rerun the job. PRODUCT(S) AFFECTED: Fast Load for Db2 for z/OS Version 20.0 Related Problem: PFL 16544 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01942-D200 DESC(INFRASTRUCTURE FOR FUTURE ENHANCEMENTS / FIX FOR PFL0187E). ++VER (Z038) FMID (CPFUK00) PRE (LU02727 LU04160 LU04418 LU04789) SUP (LT05304) ++IF FMID(CPUTK00) REQ(LU05305) . ++IF FMID(CPFLK00) REQ(LU05225) .

Service	Details
LU05305	LU05305 M.C.S. ENTRIES = ++PTF (LU05305) INFRASTRUCTURE FOR FUTURE ENHANCEMENTS / FIX FOR PFL0187E PROBLEM DESCRIPTION: 1. Fast Load for Db2 for z/OS (PFL) has been enhanced with a more maintainable code base for future development. 2. PFL issues the following message when the PTIIMSG DD statement is missing: "PFL0187E - Data set processing error". SYMPTOMS: 1. N/A. 2. PFL job abends with SA03 and "PFL0187E - Data set processing error" message. IMPACT: 1. N/A. 2. Processing fails. CIRCUMVENTION: 1. N/A. 2. Specify the PTIIMSG DD and rerun the job. PRODUCT(S) AFFECTED: Fast Load for Db2 for z/OS Version 20.0 Related Problem: PFL 16544 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01942-D200 DESC(INFRASTRUCTURE FOR FUTURE ENHANCEMENTS / FIX FOR PFL0187E). ++VER (Z038) FMID (CPUTK00) PRE (LU00248 LU01380 LU02007 LU02728 LU03192 LU03323 LU03847 LU04161 LU04427 LU04618 LU04982 S007820 S008072 S008380 S008429 S008586 S009978 S011521 S011848 S012529 S013098 S013767 S013961 S014502 S014773 S015740 S015939) SUP (BS07820 LT01868 LT01910 LT01930 LT05305 LU01930 S015652 ST08364 ST15652) ++IF FMID(CPFUK00) REQ(LU05304) . ++IF FMID(CPFLK00) REQ(LU05225) .

Service	Details
LU05312	LU05312 M.C.S. ENTRIES = ++PTF (LU05312) EXPLAIN PHYSICAL RULES ENHANCEMENT FOR A FUTURE DB2 VERSION ENHANCEMENT DESCRIPTION: This enhancement consists of code to support changes around Explain physical rules in a future Db2 version. PRODUCT(S) AFFECTED: Plan Analyzer for DB2 for z/OS Version 20.0 Related Problem: PPADB2 16428 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01953-D200 DESC(EXPLAIN PHYSICAL RULES ENHANCEMENT FOR A FUTURE DB2 VERSION). ++VER (Z038) FMID (CINSK00) PRE (LU04412 LU05111 S001396 S010174 S012650) SUP (LT05312) ++IF FMID(CPPAK00) REQ(LU05313) . ++HOLD (LU05312) SYSTEM FMID(CINSK00) REASON (DB2BIND) DATE (22094) COMMENT (<pre> +-----+ Db2 Common Components Version 20.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE Bind Plans and Packages +-----+-----+ USERS AFFECTED All Users +-----+-----+ KNOWLEDGE REQUIRED Db2 Tools Post Install Customization. +-----+-----+ ACCESS 1. Db2 Tools Post Install REQUIRED 2. BIND, SYSADM or SYSCNTL on Db2 subsystem. +-----+-----+ ***** * STEPS TO PERFORM * ***** DBRMs have changed as part of this maintenance. The members in the CDBASKL1 library identify the packages that must be rebound. Refer to the Installing documentation for the Database Management Solutions for Db2 for z/OS on https://techdocs.broadcom.com for more information about performing the task in the following step. 1. Use Post-Install Tailoring option to Bind Product Packages and Plans. IMPORTANT! If SYSVIEW for Db2 is installed, a 'Bind ALL' is generated, and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors.). CSECT(PPA#CCOL,#CCOL). </pre>

Service	Details
	CSECT (PPA#CTSC ,#CTSC) . CSECT (PPA#RISS ,#RISS) . CSECT (PPA#RTSS ,#RTSS) .

Service	Details
LU05313	LU05313 M.C.S. ENTRIES = ++PTF (LU05313) EXPLAIN PHYSICAL RULES ENHANCEMENT FOR A FUTURE DB2 VERSION ENHANCEMENT DESCRIPTION: This enhancement consists of code to support changes around Explain physical rules in a future Db2 version. PRODUCT(S) AFFECTED: Plan Analyzer for DB2 for z/OS Version 20.0 Related Problem: PPADB2 16428 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01953-D200 DESC(EXPLAIN PHYSICAL RULES ENHANCEMENT FOR A FUTURE DB2 VERSION) . ++VER (Z038) FMID (CPPAK00) PRE (LU04420) SUP (LT05313) ++IF FMID(CINSK00) REQ(LU05312) .

Service	Details
LU05331	LU05331 M.C.S. ENTRIES = ++PTF (LU05331) NO DDL GENERATED WHEN COMPARE STRATEGY RETURNS RC=4 PROBLEM DESCRIPTION: In CA RC/Compare for Db2 for z/OS (RCC), an analysis on a compare strategy may end with a return code = 4 and may not generate any DDL if the target subsystem is REMOTE. SYMPTOMS: The analysis output has no DDL. IMPACT: Users may not be able to compare objects. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Migrator for Db2 for z/OS Version 20.0 Related Problem: RCM 16568 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01955-D200 DESC(NO DDL GENERATED WHEN COMPARE STRATEGY RETURNS RC=4). ++VER (Z038) FMID (CINSK00) PRE (LU00399 LU03657 LU04412 S004718 S007379 S011691 S011966 S012361 S012933) SUP (LT05331) CSECT(RMAZSUBR,DUMMY,PTIDCEP) .

Service	Details
LU05335	LU05335 M.C.S. ENTRIES = ++PTF (LU05335) RMA047W ISSUED SOURCE CREATED PROCEDURE WITH PARAMETER LIST PROBLEM DESCRIPTION: When using RC/Migrator for Db2 for z/OS (RCM) or RC/Compare for Db2 for z/OS (RCC) to create a new Stored Procedure, the analysis issues message RMA047W without generating any DDL. When the ALTER Procedure DD is generated, the datatype is incorrectly generated as <userid>.<datatype> when the Schema is SYSIBM. SYMPTOMS: RMA047W SELECTED ROUTINE NO LONGER EXISTS. IMPACT: Users may not be able to create new Stored Procedures with multiple parameter lists. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Migrator for DB2 for z/OS Version 20.0 Related Problem: RCM 16454 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01951-D200 DESC(RMA047W ISSUED SOURCE CREATED PROCEDURE WITH PARAMETER LIST). ++VER (Z038) FMID (COFSK00) PRE (LU00531 LU03315 LU03659 LU04413 R099554 S001397 S006114 S015225 S015440) SUP (LT05335) ++IF FMID(CINSK00) REQ(LU05296) .

Service	Details
LU05347	LU05347 M.C.S. ENTRIES = ++PTF (LU05347) INFRASTRUCTURE FOR FUTURE ENHANCEMENT ENHANCEMENT DESCRIPTION: This enhancement consists of infrastructure updates that are needed for a planned architectural enhancement. When the architectural enhancement is ready for release, additional information will be provided. PRODUCT(S) AFFECTED: Db2 Common Components Version 20.0 Related Problem: PXM 16167 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01956-D200 DESC(INFRASTRUCTURE FOR FUTURE ENHANCEMENT). ++VER (Z038) FMID (CINSK00) PRE (LU00523 LU01978 LU04412 S004756 S006113 S011317) SUP (LT05347) ++HOLD (LU05347) SYSTEM FMID(CINSK00) REASON (RESTART) DATE (22091) COMMENT (<pre> +-----+ Db2 Common Components Version 20.0 +-----+-----+ SEQUENCE Before Apply +-----+-----+ PURPOSE Avoidance of module mismatch related errors in an Xmanager +-----+-----+ USERS Collections of Db2 statistics via Detector or Subsystem AFFECTED Analyzer. Db2 subsystems that have active collections. +-----+-----+ KNOWLEDGE 1. SMP/E REQUIRED 2. z/OS System Programming 3. Db2 Tools Installation and Maintenance procedures. +-----+-----+ ACCESS 1. Product runtime libraries. REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** To implement the PTF: 1. Stop product collections. 2. Stop the Xmanager task. 3. Update the runtime library. 4. Restart the Xmanager task. Important! Please do not apply maintenance to the Xmanager runtime libraries with Xmanager active as it may result in a discrepancy between dynamically loaded components and statically loaded components. This may result in unpredictable behavior with Db2 Tools and/or may compromise the </pre>

Service	Details
	operating system/Db2 including possible failures.).

Service	Details
LU05348	LU05348 M.C.S. ENTRIES = ++PTF (LU05348) SOC2/S878, SOC7, SOC1, OR COLUMN ENDS OUTSIDE INPUT PROBLEM DESCRIPTION: 1. Fast Load for Db2 for z/OS (PFL) may abend with a SOC2 or S878 codes when loading LOB data with RESUME YES. 2. If a prior Fast Unload for Db2 for z/OS (PFU) execution was in the same step, PFL may abend with a SOC7 when using history tables. 3. PFL may abend with a SOC1 code when DATA-AVAILABLE CRITICAL is used. 4. PFL may discard valid input records when the input format is comma-delimited and the table contains LOB columns. 5. PFL may abend with a SOC4 code in the FLLMITS module when RESUME YES is specified and there is a zero SEGNUM in a space map page. SYMPTOMS: 1. SOC2 or S878 abend codes. 2. SOC7 abend code. 3. SOC1 abend code. 4. The input records are discarded with reason "Column Ends Outside Input" 5. SOC4 abend code. IMPACT: Processing fails. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Fast Load for Db2 for z/OS Version 20.0 Related Problem: PFL 16519 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01958-D200 DESC(SOC2/S878, SOC7, SOC1, OR COLUMN ENDS OUTSIDE INPUT). ++VER (Z038) FMID (CPFLK00) PRE (LU00136 LU00178 LU00301 LU00436 LU00724 LU01349 LU01379 LU01720 LU02243 LU03191 LU03210 LU03684 LU03742 LU04159 LU04417 LU04616 LU05207 LU05225 R097708 S000018 S000704 S001401 S001656 S003861 S005012 S006117 S007811 S008071 S008407 S009024 S009977 S011107 S011235 S011325 S011431 S011601 S011846 S011996 S012107 S012150 S012275 S012526 S013066 S013150 S013175 S013203 S013706 S014031 S014772 S015015 S015235 S015484 S015738 S015938 S016089) SUP (AS14772 LT02258 LT02485 LT02821 LT03038 LT05348 LU02258 LU02485 S015771 ST11056 ST13122 ST15157 ST15771) ++IF FMID(CPUTK00) REQ(LU05349) . ++IF FMID(CINSK00) REQ(LU05367) . ++HOLD (LU05348) SYSTEM FMID(CPFLK00) REASON (MSGSKEL) DATE (22095) COMMENT (+-----+ Fast Load for Db2 for z/OS Version 20.0 +-----+

Service	Details
	<pre> SEQUENCE After Apply +-----+-----+ PURPOSE Relink XMESSAGES +-----+-----+ USERS AFFECTED All Db2 Tools Users +-----+-----+ KNOWLEDGE REQUIRED Db2 Tools Post Install Customization. +-----+-----+ ACCESS 1. Db2 Tools Post Install REQUIRED 2. BIND Authority on Db2 subsystems +-----+-----+ ***** * STEPS TO PERFORM * ***** XMESSAGE components have changes as part of this maintenance. If you do not customize XMESSAGES, no further action is required. If you do customize XMESSAGES, after maintenance is APPLIED 1. Re-apply XMESSAGE customizations and relink XMESSAGE load modules. Refer to the Post Installation and Customization Guide for details.). CSECT(FLA\$LOB2,#@XFCLR) . CSECT(FLA\$ROPN,#@XFCLR) . CSECT(FLAMITS,#@XFCLR) . </pre>

Service	Details
LU05349	LU05349 M.C.S. ENTRIES = ++PTF (LU05349) SOC2/S878, SOC7, SOC1, OR COLUMN ENDS OUTSIDE INPUT PROBLEM DESCRIPTION: 1. Fast Load for Db2 for z/OS (PFL) may abend with a SOC2 or S878 codes when loading LOB data with RESUME YES. 2. If a prior Fast Unload for Db2 for z/OS (PFU) execution was in the same step, PFL may abend with a SOC7 when using history tables. 3. PFL may abend with a SOC1 code when DATA-AVAILABLE CRITICAL is used. 4. PFL may discard valid input records when the input format is comma-delimited and the table contains LOB columns. 5. PFL may abend with a SOC4 code in the FLLMITS module when RESUME YES is specified and there is a zero SEGNUM in a space map page. SYMPTOMS: 1. SOC2 or S878 abend codes. 2. SOC7 abend code. 3. SOC1 abend code. 4. The input records are discarded with reason "Column Ends Outside Input" 5. SOC4 abend code. IMPACT: Processing fails. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Fast Load for Db2 for z/OS Version 20.0 Related Problem: PFL 16519 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01958-D200 DESC(SOC2/S878, SOC7, SOC1, OR COLUMN ENDS OUTSIDE INPUT). ++VER (Z038) FMID (CPUTK00) PRE (LU00140 LU00248 LU00727 LU03192 LU03323 LU03847 LU04427 LU04618 LU05305 R097717 S000024 S005016 S008072 S008380 S008429 S008586 S009978 S011521 S011999 S012153 S012529 S013098 S013205 S013767 S014773 S015486 S015740 S015939) SUP (LT05349 ST08364) ++IF FMID(CINSK00) REQ(LU05367) . ++IF FMID(CPFLK00) REQ(LU05348) . CSECT(UTAGLIXA,#@XFCALR) .

Service	Details						
LU05350	LU05350 M.C.S. ENTRIES = ++PTF (LU05350) STORAGE SHORTAGE WHEN BUFNO IS SPECIFIED IN A DSN TEMPLATE PROBLEM DESCRIPTION: Quick Copy for Db2 for z/OS (PQC) may fail to create image copies due to a storage (below the line) shortage when called by Rapid Reorg for Db2 for z/OS (PRR), Fast Load for Db2 for z/OS (PFL), or ACCUMULATE utility, and when BUFNO is specified in the DSN TEMPLATE definition. SYMPTOMS: PRR/PFL/ACCUMULATE job steps failing with errors related to inadequate storage (below the line) during image copy creation. IMPACT: - PQC may fail to create image copies when called by PRR, PFL, or ACCUMULATE utility. - PRR/PFL/ACCUMULATE jobs may fail with errors related to inadequate 24-bit storage. CIRCUMVENTION: Remove BUFNO from the DSN TEMPLATE definition. PRODUCT(S) AFFECTED: <table> <tr> <td>Quick Copy for Db2 for z/OS (PQC)</td><td>Version 20.0</td></tr> <tr> <td>Rapid Reorg for Db2 for z/OS (PRR)</td><td>Version 20.0</td></tr> <tr> <td>Fast Load for Db2 for z/OS (PFL)</td><td>Version 20.0</td></tr> </table> Related Problem: PQC 16558 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01959-D200 DESC(STORAGE SHORTAGE WHEN BUFNO IS SPECIFIED IN A DSN TEMPLATE). ++VER (Z038) FMID (CUGRK00) PRE (LU04435 S000029 S000201 S001660 S006069 S006132 S009903 S010819) SUP (LT05350)	Quick Copy for Db2 for z/OS (PQC)	Version 20.0	Rapid Reorg for Db2 for z/OS (PRR)	Version 20.0	Fast Load for Db2 for z/OS (PFL)	Version 20.0
Quick Copy for Db2 for z/OS (PQC)	Version 20.0						
Rapid Reorg for Db2 for z/OS (PRR)	Version 20.0						
Fast Load for Db2 for z/OS (PFL)	Version 20.0						

Service	Details
LU05352	LU05352 M.C.S. ENTRIES = ++PTF (LU05352) SMF REPORTS ABENDS AND MALFUNCTIONS PROBLEM DESCRIPTION: Log Analyzer for Db2 fo z/OS may fail to complete the SMF reporting function. Depending on input data the failure may vary from an empty report to abends (so far observed: A0A, COD). SYMPTOMS: SMF report of any type may terminate abnormally or fail to display data. IMPACT: SMF reporting is unreliable and failing at times. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Log Analyzer for Db2 for z/OS Version 20.0 Related Problem: PLA 16647 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01960-D200 DESC (SMF REPORTS ABENDS AND MALFUNCTIONS). ++VER (Z038) FMID (CPLAK00) PRE (LU02381 LU04419 R099559 S000975 S004245 S004461 S008802 S011669 S012889) SUP (AL02381 LT05352)

Service	Details
LU05359	LU05359 M.C.S. ENTRIES = ++PTF (LU05359) RMA657W MESSAGE INCORRECTLY ISSUED PROBLEM DESCRIPTION: In RC/Compare for Db2 for z/OS (RCC), the analysis on a compare strategy incorrectly issues warning message RMA657W when identical views with SELECT * are paired. SYMPTOMS: RMA657W ONE OR MORE COLUMNS ON VIEW AVADMIN.VPABRABWLPR_ALG REFERENCE COLUMNS ON TABLE <VWCreator>.<VWName> WHICH DO NOT EXIST. PLEASE VERIFY REFERENCED COLUMNS. IMPACT: The displayed warning message may cause confusion. CIRCUMVENTION: If the DDL is correct you can Ignore the warning message. PRODUCT(S) AFFECTED: RC/Compare for DB2 for z/OS Version 20.0 Related Problem: RCC 16658 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01961-D200 DESC(RMA657W MESSAGE INCORRECTLY ISSUED). ++VER (Z038) FMID (CINSK00) PRE (LU03657 LU04412 LU05111 S004718 S007379 S011691 S011966 S012361 S012650 S012933) SUP (LT05359)

Service	Details
LU05361	LU05361 M.C.S. ENTRIES = ++PTF (LU05361) 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: Db2 Common Components Version 20.0 Related Problem: INS 16535 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01962-D200 DESC (SECURITY OR INTEGRITY PROBLEM) . ++VER (Z038) FMID (CINSK00) PRE (LU01610 LU02808 LU04412 S001396 S006978 S008825 S010061 S011373 S013484 S014401) SUP (AL02808 AL03629 AL03869 AL03955 AL04400 LT03629 LT03869 LT03955 LT04400 LT05299 LT05361 LU03629 LU03869 LU03955 LU04400 S011679 ST11679) LINK('.. /PXM/ds/dbm-ds.war') PARM(PATHMODE(0,7,7,5)) SHSCRIPT(PXMDSSMP,PRE) .

Service	Details
LU05364	LU05364 M.C.S. ENTRIES = ++PTF (LU05364) 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: Db2 Common Components Version 20.0 Related Problem: INS 16536 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01963-D200 DESC (SECURITY OR INTEGRITY PROBLEM) . ++VER (Z038) FMID (CINSK00) PRE (LU04412 S001396 S007807 S008825 S010061 S012323 S013484) SUP (AL03417 AL03879 AL03952 AL04399 LT03417 LT03879 LT03952 LT04399 LT05326 LT05364 LU03417 LU03879 LU03952 LU04399 S014168 S014491 S015122 ST11667 ST14168 ST14491 ST15122) LINK ('../PDT/ui/mtc-dbm.war') PARM (PATHMODE (0,7,7,5)) SHSCRIPT (PDTAAMKD,PRE) .

Service	Details
LU05366	LU05366 M.C.S. ENTRIES = ++PTF (LU05366) THE LOGLABEL UTILITY FAILS WITH SQL ERROR CODE -330 PROBLEM DESCRIPTION: The LOGLABEL utility fails when creating a log label with SQL error code -330 in the PTCLLAB module. SYMPTOMS: The problem occurs on subsystems with non-EBCDIC encoding. The following messages appear in the joblog: PUT0018I - Invoking Utility LOGLABEL - Statement Number: nnn LOGLABEL CREATE llcreator.llname DSNT408I SQLCODE = -330, ERROR: A STRING CANNOT BE USED BECAUSE IT CANNOT BE PROCESSED. REASON 16, CHARACTER , HOST VARIABLE 1 DSNT418I SQLSTATE = 22021 SQLSTATE RETURN CODE DSNT415I SQLERRP = DSNXRIHB SQL PROCEDURE DETECTING ERROR DSNT416I SQLERRD = 580 0 0 -1 0 0 SQL DIAGNOSTIC INFORMATION DSNT416I SQLERRD = X'00000244' X'00000000' X'00000000' X'FFFFFFF' X'00000000' X'00000000' SQL DIAGNOSTIC INFORMATION PUT0117I LOGLABEL Processing ended - Return Code 12 IMPACT: Log Labels cannot be created. CIRCUMVENTION: Bind package with the following statement: BIND PACKAGE (AUTHD200_COM) - MEMBER (PTCLLAB) - VALIDATE (RUN) - ISOLATION (CS) - FLAG (I) - RELEASE (COMMIT) - DEGREE (1) - EXPLAIN (NO) - DBPROTOCOL (DRDA) - CURRENTDATA (NO) - ENCODING (EBCDIC) - EXTENDEDINDICATOR (YES) - ACTION (REPLACE); PRODUCT(S) AFFECTED: Db2 Common Components Version 20.0 Related Problem: GEN 16666 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01964-D200 DESC(THE LOGLABEL UTILITY FAILS WITH SQL ERROR CODE -330). ++VER (Z038) FMID (CINSK00) PRE (LU04412 S000016 S001396) SUP (LT05366) ++HOLD (LU05366) SYSTEM FMID(CINSK00) REASON (DB2BIND) DATE (22094) COMMENT (+-----+ Db2 Common Components Version 20.0

Service	Details
	<pre> +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE Bind Plans and Packages +-----+-----+ USERS AFFECTED All Users +-----+-----+ KNOWLEDGE REQUIRED Db2 Tools Post Install Customization +-----+-----+ ACCESS 1. Db2 Tools Post Install REQUIRED 2. BIND, SYSADM or SYSCNTL on Db2 subsystem. +-----+-----+ ***** * STEPS TO PERFORM * ***** Bind Control Cards have changed as part of this maintenances. After this maintenance is applied, Bind Control cards must be regenerated for all installed product plans and packages. Refer to the Installing documentation for the Database Management Solutions for Db2 for z/OS on https://techdocs.broadcom.com for more information about performing the task in the following step. 1. Using the newly generated Bind Control Cards, a Bind Replace must be performed on the plans and packages for all installed products. IMPORTANT! If SYSVIEW for Db2 is installed and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors.). CSECT (PTC@LLAB) . </pre>

Service	Details																								
LU05367	LU05367 M.C.S. ENTRIES = ++PTF (LU05367) SOC2/S878, SOC7, SOC1, OR COLUMN ENDS OUTSIDE INPUT PROBLEM DESCRIPTION: 1. Fast Load for Db2 for z/OS (PFL) may abend with a SOC2 or S878 codes when loading LOB data with RESUME YES. 2. If a prior Fast Unload for Db2 for z/OS (PFU) execution was in the same step, PFL may abend with a SOC7 when using history tables. 3. PFL may abend with a SOC1 code when DATA-AVAILABLE CRITICAL is used. 4. PFL may discard valid input records when the input format is comma-delimited and the table contains LOB columns. 5. PFL may abend with a SOC4 code in the FLLMITS module when RESUME YES is specified and there is a zero SEGNUM in a space map page. SYMPTOMS: 1. SOC2 or S878 abend codes. 2. SOC7 abend code. 3. SOC1 abend code. 4. The input records are discarded with reason "Column Ends Outside Input" 5. SOC4 abend code. IMPACT: Processing fails. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Fast Load for Db2 for z/OS Version 20.0 Related Problem: PFL 16519 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01958-D200 DESC(SOC2/S878, SOC7, SOC1, OR COLUMN ENDS OUTSIDE INPUT). ++VER (Z038) FMID (CINSK00) PRE (LU00135 LU02726 LU03367 LU04412 S000016 S004250 S004455 S005011 S006863 S008313 S010389 S011234 S015937) SUP (LT02383 LT05367 LU02383) ++IF FMID(CPUTK00) REQ(LU05349) . ++IF FMID(CPFLK00) REQ(LU05348) . ++HOLD (LU05367) SYSTEM FMID(CINSK00) REASON (MSGSKEL) DATE (22095) COMMENT (<table> <tr> <td>+</td><td>-----+</td></tr> <tr> <td> </td><td>Db2 Common Components Version 20.0 </td></tr> <tr> <td>+</td><td>-----+</td></tr> <tr> <td> </td><td>SEQUENCE After Apply </td></tr> <tr> <td>+</td><td>-----+</td></tr> <tr> <td> </td><td>PURPOSE Relink XMESSAGES </td></tr> <tr> <td>+</td><td>-----+</td></tr> <tr> <td> </td><td>USERS </td></tr> <tr> <td> </td><td>AFFECTED All Db2 Tools Users </td></tr> <tr> <td>+</td><td>-----+</td></tr> <tr> <td> </td><td>KNOWLEDGE </td></tr> <tr> <td> </td><td>REQUIRED Db2 Tools Post Install Customization. </td></tr> </table>	+	-----+		Db2 Common Components Version 20.0	+	-----+		SEQUENCE After Apply	+	-----+		PURPOSE Relink XMESSAGES	+	-----+		USERS		AFFECTED All Db2 Tools Users	+	-----+		KNOWLEDGE		REQUIRED Db2 Tools Post Install Customization.
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	KNOWLEDGE																								
	REQUIRED Db2 Tools Post Install Customization.																								

Service	Details
	<pre> +-----+-----+ ACCESS 1. Db2 Tools Post Install REQUIRED 2. BIND Authority on Db2 subsystems +-----+-----+ ***** * STEPS TO PERFORM * ***** XMESSAGE components have changes as part of this maintenance. If you do not customize XMESSAGES, no further action is required. If you do customize XMESSAGES, after maintenance is APPLIED 1. Re-apply XMESSAGE customizations and relink XMESSAGE load modules. Refer to the Post Installation and Customization Guide for details.). CSECT (PTA@MMTE,#@XFCALR) . </pre>

Service	Details
LU05377	LU05377 M.C.S. ENTRIES = ++PTF (LU05377) FOOTPRINT UPDATE JOB FAILS WHEN SSID HAS TRAILING BLANKS PROBLEM DESCRIPTION: In CA Endeavor Software Change Manager for Db2 for Z/OS (EDb2), the footprint update processor fails when a Db2 subsystem name in the bind cards has trailing blanks. SYMPTOMS: The job fails when a DSN statement has trailing blanks in a Db2 subsystem. The following error occurs in the footprint update processor: DSN SYSTEM(<Db2 subsystem>) BIND PACKAGE(<collid>) - MEMBER(<member>) ... END EDB216 - FAILURE IN RRSF INITIALIZATION: DB2 ERROR INFORMATION FOLLOWS DSNT408I SQLCODE = -922, ERROR: AUTHORIZATION FAILURE: PLAN ACCESS ERROR. REASON 00F30034 DSNT418I SQLSTATE = 42505 SQLSTATE RETURN CODE DSNT415I SQLERRP = DSNDET03 SQL PROCEDURE DETECTING ERROR IMPACT: IMPACT: The footprint update process is incomplete. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Endeavor Software Change Manager for Db2 for z/OS Version 20.0 Related Problem: EDB2 16670 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01965-D200 DESC(FOOTPRINT UPDATE JOB FAILS WHEN SSID HAS TRAILING BLANKS). ++VER (Z038) FMID (CAHOK00) PRE (LU04409) SUP (LT05377)

Service	Details
LU05382	LU05382 M.C.S. ENTRIES = ++PTF (LU05382) DDL00002 ISSUED WHEN CHECKING ALTER TABLE DROP COLUMN PROBLEM DESCRIPTION: In RC/Migrator for Db2 for z/OS (RCM), the Syntax Checker issues error message DDL00002 when checking syntactically correct 'ALTER TABLE ... DROP COLUMN ...' DDL. SYMPTOMS: DDL00002: Invalid token COLUMN. Valid tokens are: SYSTEM PRIMARY FOREIGN CLONE VERSIONING IMPACT: Syntactically correct DDL is reported as invalid. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Migrator for Db2 for z/OS Version 20.0 Related Problem: RCM 16408 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01966-D200 DESC(DDL00002 ISSUED WHEN CHECKING ALTER TABLE DROP COLUMN). ++VER (Z038) FMID (CINSK00) PRE (LU00432 LU00446 LU03657 LU04149 LU04412 LU04458 LU04463 LU04950 R096576 R099553 S001396 S004718 S005199 S006113 S006638 S006863 S007379 S007807 S009105 S009356 S009417 S009860 S011866 S011966 S012361 S012817 S012933 S013071 S014125 S014832 S015804) SUP (LT00968 LT05075 LT05382 LU00968 S008414 ST08395 ST08414) ++HOLD (LU05382) SYSTEM FMID(CINSK00) REASON (MSGSKEL) DATE (22108) COMMENT (Db2 Common Components Version 20.0 SEQUENCE After Apply PURPOSE Relink XMESSAGES USERS AFFECTED All Db2 Tools Users KNOWLEDGE REQUIRED Db2 Tools Post Install Customization. ACCESS 1. Db2 Tools Post Install REQUIRED 2. BIND Authority on Db2 subsystems ***** * STEPS TO PERFORM * ***** XMESSAGE components have changes as part of this maintenance. If you do not customize XMESSAGES, no further action is required.

Service	Details
	If you do customize XMESSAGES, after maintenance is APPLIED 1. Re-apply XMESSAGE customizations and relink XMESSAGE load modules. Refer to the Post Installation and Customization Guide for details.).

Service	Details
LU05387	LU05387 M.C.S. ENTRIES = ++PTF (LU05387) CONSISTENT FLASHCOPY IC NOT REGISTERED TO SYSIBM.SYSCOPY PROBLEM DESCRIPTION: Quick Copy for Db2 for z/OS (PQC) may fail to register consistent flashcopy IC to SYSIBM.SYSCOPY and accidentally registers it to CA SYSCOPY, even if SSCOPYOPT(YES) is specified in the PARMLIB. SYMPTOMS: Consistent flashcopy IC is incorrectly registered to CA SYSCOPY. IMPACT: Consistent FlashCopy ICs may not be registered to SYSIBM.SYSCOPY. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Quick Copy for Db2 for z/OS Version 20.0 Related Problem: PQC 16634 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01967-D200 DESC(CONSISTENT FLASHCOPY IC NOT REGISTERED TO SYSIBM.SYSCOPY). ++VER (Z038) FMID (CUGRK00) PRE (LU04435 LU04870 S000029 S000201 S001660 S003677 S006879 S009903 S010044 S010819 S011605 S013768) SUP (LT04864 LT04867 LT05387)

Service	Details
LU05396	LU05396 M.C.S. ENTRIES = ++PTF (LU05396) S0C4-04 UTLFUULC+66D0/CSV INVALID OUTPUT FOR BLOB PROBLEM DESCRIPTION: 1. Fast Unload for Db2 for z/OS (PFU) may abend with a S0C4-04 abend code when unloading an inline image copy of a multi-partition PBG tablespace. 2. PFU generates invalid comma-delimited output when unloading BLOB data when the data contains the character that is used as the quote. 3. PFU does not check the data size when converting BIGINT to SMALLINT/INT, or INT to SMALLINT, for OUTPUT-FORMAT COMMA-DELIMITED. SYMPTOMS: 1. A symptom dump similar to the following appears in the job log: SYSTEM COMPLETION CODE=0C4 REASON CODE=00000004 TIME=08.49.29 SEQ=01981 CPU=4009 ASID=0240 PSW AT TIME OF ERROR 078C0000 801516D0 ILC 6 INTC 04 ACTIVE MODULE ADDRESS=00000000_0014B000 OFFSET=000066D0 NAME=UTLFUULC DATA AT PSW 001516CA - D203307C 4078D203 6068407C AR/GR 0: 007934F0/3B753000 1: 00000000/3B69A190 2: FFFFFFFF/00000000 3: FFFFFFFF/FFFFFFF 4: FFFFFFFF/3B69A0C8 5: FFFFFFFF/007934F0 6: FFFFFFFF/00000000 7: FFFFFFFF/3BF76000 8: FFFFFFFF/3B753000 9: FFFFFFFF/00000000 A: FFFFFFFF/3B759000 B: FFFFFFFF/8014C000 C: FFFFFFFF/00150CF8 D: FFFFFFFF/3B758000 E: 00000000/00000000 F: 00000000/000000C8 2. The character that is defined as the quote character for the comma-delimited format is not doubled when it is part of the BLOB data. Any tool that reads the output cannot determine whether the quote character is part of the data or if it is the ending quote. 3. PFU does not check data size when converting BIGINT to SMALLINT/INT, or INT to SMALLINT, for OUTPUT-FORMAT COMMA-DELIMITED. IMPACT: 1. The unload abends. 2. Invalid comma-delimited output. 3. PFU does not check data size when converting BIGINT to SMALLINT/INT, or INT to SMALLINT, for OUTPUT-FORMAT COMMA-DELIMITED. CIRCUMVENTION: 1. None. 2. None. 3. None. PRODUCT(S) AFFECTED: Fast Unload for Db2 for z/OS Version 20.0 Related Problem: PFU 16597 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01968-D200 DESC(S0C4-04 UTLFUULC+66D0/CSV INVALID OUTPUT FOR BLOB). ++VER (Z038) FMID (CINSK00) PRE (LU03907 LU04412 S007807 S011430) SUP (LT05396)

Service	Details
	<pre> ++IF FMID(CPFUK00) REQ(LU05397) . ++HOLD (LU05396) SYSTEM FMID(CINSK00) REASON (ACTION) DATE (22098) COMMENT (+-----+ Db2 Common Components Version 20.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Change of formatting in Fast Unload output. +-----+ USERS Users unloading BLOB data or converting numerical data AFFECTED types with OUTPUT-FORMAT COMMA-DELIMITED. +-----+ KNOWLEDGE Fast Unload syntax. REQUIRED +-----+ ACCESS Edit Fast Unload JCL. REQUIRED +-----+ ***** * STEPS TO PERFORM * ***** This PTF will correct behavior when unloading the BLOB data type into a comma-delimited format. If the BLOB data contains a character used for QUOTE, Fast Unload did not double the QUOTE character to distinguish it from a real quote that ended the column data. After applying this PTF, quote characters will be doubled for all data types. If you require that quote characters not be doubled, then specify the following parameter in you Fast Unload SYSIN, or the PFU member of the CDBAPARM: QUOTE-EMBED-SINGLE YES When converting numerical data such as: - BIGINT into INTEGER - BIGINT into SMALLINT - INTEGER into SMALLINT and using OUTPUT-FORMAT COMMA-DELIMITED, Fast Unload checks the value to determine if it will fit into the target data type. If the Fast Unload jobs fail after applying this PTF, ensure that the data fits into the target data type.).</pre>

Service	Details
LU05397	LU05397 M.C.S. ENTRIES = ++PTF (LU05397) S0C4-04 UTLFUULC+66D0/CSV INVALID OUTPUT FOR BLOB PROBLEM DESCRIPTION: 1. Fast Unload for Db2 for z/OS (PFU) may abend with a S0C4-04 abend code when unloading an inline image copy of a multi-partition PBG tablespace. 2. PFU generates invalid comma-delimited output when unloading BLOB data when the data contains the character that is used as the quote. 3. PFU does not check the data size when converting BIGINT to SMALLINT/INT, or INT to SMALLINT, for OUTPUT-FORMAT COMMA-DELIMITED. SYMPTOMS: 1. A symptom dump similar to the following appears in the job log: SYSTEM COMPLETION CODE=0C4 REASON CODE=00000004 TIME=08.49.29 SEQ=01981 CPU=4009 ASID=0240 PSW AT TIME OF ERROR 078C0000 801516D0 ILC 6 INTC 04 ACTIVE MODULE ADDRESS=00000000_0014B000 OFFSET=000066D0 NAME=UTLFUULC DATA AT PSW 001516CA - D203307C 4078D203 6068407C AR/GR 0: 007934F0/3B753000 1: 00000000/3B69A190 2: FFFFFFFF/00000000 3: FFFFFFFF/FFFFFFF 4: FFFFFFFF/3B69A0C8 5: FFFFFFFF/007934F0 6: FFFFFFFF/00000000 7: FFFFFFFF/3BF76000 8: FFFFFFFF/3B753000 9: FFFFFFFF/00000000 A: FFFFFFFF/3B759000 B: FFFFFFFF/8014C000 C: FFFFFFFF/00150CF8 D: FFFFFFFF/3B758000 E: 00000000/00000000 F: 00000000/000000C8 2. The character that is defined as the quote character for the comma-delimited format is not doubled when it is part of the BLOB data. Any tool that reads the output cannot determine whether the quote character is part of the data or if it is the ending quote. 3. PFU does not check data size when converting BIGINT to SMALLINT/INT, or INT to SMALLINT, for OUTPUT-FORMAT COMMA-DELIMITED. IMPACT: 1. The unload abends. 2. Invalid comma-delimited output. 3. PFU does not check data size when converting BIGINT to SMALLINT/INT, or INT to SMALLINT, for OUTPUT-FORMAT COMMA-DELIMITED. CIRCUMVENTION: 1. None. 2. None. 3. None. PRODUCT(S) AFFECTED: Fast Unload for Db2 for z/OS Version 20.0 Related Problem: PFU 16597 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01968-D200 DESC(S0C4-04 UTLFUULC+66D0/CSV INVALID OUTPUT FOR BLOB). ++VER (Z038) FMID (CPFUK00) PRE (LU00137 LU00217 LU00886 LU01939 LU02006 LU03265 LU03353 LU03384 LU04418 LU04675 R096582 R099558

Service	Details
	S000019 S001402 S001818 S004460 S005013 S006118 S008112 S008860 S009025 S011997 S013319 S013766 S014032 S014501 S014984 S016195) SUP (AR99558 AS16195 LT00862 LT00863 LT01165 LT05397 LU00863 LU01165 S000295 S011993 S013437 ST00295 ST11993 ST13437) ++IF FMID(CINSK00) REQ(LU05396) . ++HOLD (LU05397) SYSTEM FMID(CPFUK00) REASON (ACTION) DATE (22098) COMMENT (+-----+ Fast Unload for Db2 for z/OS Version 20.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Potential change in Fast Unload output. +-----+ USERS Users unloading BLOB data or converting numerical data AFFECTED types with OUTPUT-FORMAT COMMA-DELIMITED. +-----+ KNOWLEDGE Fast Unload syntax. REQUIRED +-----+ ACCESS Edit Fast Unload JCL. REQUIRED +-----+ ***** * STEPS TO PERFORM * ***** This PTF will correct behavior when unloading BLOB data type into a comma-delimited format. If the BLOB data contains a character used for QUOTE, Fast Unload would not double the QUOTE character to distinguish it from a real quote that ended the column data. After applying this PTF, quote characters will be doubled, as it is done for other data types. If you require quote characters are not to be doubled, then code the following in you Fast Unload SYSIN or the PFU member of the CDBAPARM: QUOTE-EMBED-SINGLE YES When converting numerical data such as: - BIGINT into INTEGER - BIGINT into SMALLINT - INTEGER into SMALLINT and using OUTPUT-FORMAT COMMA-DELIMITED, Fast Unload will now check if the value will fit into the target data type. If Fast Unload jobs fail after applying this PTF, ensure that the data fits into the target data type.). CSECT(UTAFUULC,TROUBLE).

Service	Details
LU05401	LU05401 M.C.S. ENTRIES = ++PTF (LU05401) SQLCODE -518 WHEN PROCESSING ROUTINES AND ACM OR REMOTE USED PROBLEM DESCRIPTION: In RC/Migrator for Db2 for z/OS (RCM), an SQLCODE -518 may occur when analyzing a strategy with ROUTINE objects where the subsystem is REMOTE or ACM is used for analysis. SYMPTOMS: RMA199E PROGRAM RMA@UF2 RECEIVED THE FOLLOWING SQL ERROR: DSNT408I SQLCODE = -518, ERROR: THE EXECUTE STATEMENT DOES NOT IDENTIFY A VALID PREPARED STATEMENT DSNT418I SQLSTATE = 07003 SQLSTATE RETURN CODE DSNT415I SQLERRP = DSNXERT2 SQL PROCEDURE DETECTING ERROR DSNT416I SQLERRD = -280 0 0 -1 0 0 SQL DIAGNOSTIC INFORMATION DSNT416I SQLERRD = X'FFFFFFFF' X'00000000' X'00000000' X'FFFFFFFF' X'00000000' X'00000000' SQL DIAGNOSTIC INFORMATION IMPACT: The analysis is not complete. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Migrator for Db2 for z/OS Version 20.0 Related Problem: RCM 16714 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01970-D200 DESC(SQLCODE -518 WHEN PROCESSING ROUTINES AND ACM OR REMOTE USED). ++VER (Z038) FMID (CINSK00) PRE (LU03657 LU04149 LU04412 S001396 S004455 S004718 S007379 S012933) SUP (LT05241 LT05243 LT05401 LU05243) ++HOLD (LU05401) SYSTEM FMID(CINSK00) REASON (DB2BIND) DATE (22103) COMMENT (+-----+ Db2 Common Components Version 20.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Bind Plans and Packages +-----+ USERS AFFECTED All Users +-----+ KNOWLEDGE REQUIRED Db2 Tools Post Install Customization. +-----+ ACCESS 1. Db2 Tools Post Install REQUIRED 2. BIND, SYSADM or SYSCNTL on Db2 subsystem. +-----+ *****

Service	Details
	* STEPS TO PERFORM * ***** DBRMs have changed as part of this maintenance. The members in the CDBASKL1 library identify the packages that must be rebound. Refer to the Installing documentation for the Database Management Solutions for Db2 for z/OS on https://techdocs.broadcom.com for more information about performing the task in the following step. 1. Use Post-Install Tailoring option to Bind Product Packages and Plans. IMPORTANT! If SYSVIEW for Db2 is installed, a 'Bind ALL' is generated, and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors.).

Service	Details
LU05407	LU05407 M.C.S. ENTRIES = ++PTF (LU05407) MULTIPLE ISSUES WITH SYSTEM (SY) REPORTS PROBLEM DESCRIPTION: In RC/Query for Db2 for z/OS (RCQ), certain System reports may not generate with the IC1 command, may generate invalid RECOVER statements, and/or may not recognize the Dsnum header value. SYMPTOMS: One or more of the following conditions may occur. 1. In the System-List (SY-L) report, the IC1 command results in the following error along with unusable content in the Dsnum header field: RQ012E - DATABASE.TABLESPACE SELECTED CONTAINS NO ENTRIES 2. In the SY-L report, the RECOVER command on an indexspace generates invalid tablespace RECOVER statements. 3. The System-Image Copy Inquiry (SY-IC) report does not recognize the contents in the Dsnum header field, and so the report is not qualified on the specific Dsnum value. 4. In the SY-IC report, the IC1 command is not recognized, and the report displays the following error message: RQ078E - COMMAND REQUESTED IS NOT VALID FOR SELECTED OBJECT IMPACT: 1. No report is generated. 2. Invalid RECOVER statements are generated. 3. The specific Dsnum value is not honored. 4. No report is generated. CIRCUMVENTION: 1. The SY-IC report can be generated by qualifying the header information as needed. 2. Use the RECOVER command on an Index-List (I-L) report by qualifying the header information as needed. 3. Qualify the header information using EQF with Dsnum. 4. Generate the SY-IC report by qualifying the header information as needed. PRODUCT(S) AFFECTED: RC/Query for Db2 for z/OS Version 20.0 Related Problem: RCQ 15985 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01973-D200 DESC(MULTIPLE ISSUES WITH SYSTEM (SY) REPORTS). ++VER (Z038) FMID (CINSK00) PRE (LU01705 LU02029 LU03314 LU04412 LU04656 LU05175 RO97704 RO99553 SO01396 SO04455 SO06113 SO10162) SUP (LT05407) ++IF FMID(CRCQK00) REQ(LU05408) . ++HOLD (LU05407) SYSTEM FMID(CINSK00) REASON (DB2BIND) DATE (22096) COMMENT (+-----+ Db2 Common Components Version 20.0 +-----+ SEQUENCE After Apply

Service	Details
	<pre> +-----+-----+ PURPOSE Bind Plans and Packages +-----+-----+ USERS AFFECTED All Users +-----+-----+ KNOWLEDGE REQUIRED Db2 Tools Post Install Customization. +-----+-----+ ACCESS 1. Db2 Tools Post Install REQUIRED 2. BIND, SYSADM or SYSCNTL on Db2 subsystem. +-----+-----+ ***** * STEPS TO PERFORM * ***** DBRMs have changed as part of this maintenance. The members in the CDBASKL1 library identify the packages that must be rebound. Refer to the Installing documentation for the Database Management Solutions for Db2 for z/OS on https://techdocs.broadcom.com for more information about performing the task in the following step. 1. Use Post-Install Tailoring option to Bind Product Packages and Plans. IMPORTANT! If SYSVIEW for Db2 is installed, a 'Bind ALL' is generated, and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors.).</pre>

Service	Details
LU05408	LU05408 M.C.S. ENTRIES = ++PTF (LU05408) MULTIPLE ISSUES WITH SYSTEM (SY) REPORTS PROBLEM DESCRIPTION: In RC/Query for Db2 for z/OS (RCQ), certain System reports may not generate with the IC1 command, may generate invalid RECOVER statements, and/or may not recognize the Dsnum header value. SYMPTOMS: One or more of the following conditions may occur. 1. In the System-List (SY-L) report, the IC1 command results in the following error along with unusable content in the Dsnum header field: RQ012E - DATABASE.TABLESPACE SELECTED CONTAINS NO ENTRIES 2. In the SY-L report, the RECOVER command on an indexspace generates invalid tablespace RECOVER statements. 3. The System-Image Copy Inquiry (SY-IC) report does not recognize the contents in the Dsnum header field, and so the report is not qualified on the specific Dsnum value. 4. In the SY-IC report, the IC1 command is not recognized, and the report displays the following error message: RQ078E - COMMAND REQUESTED IS NOT VALID FOR SELECTED OBJECT IMPACT: 1. No report is generated. 2. Invalid RECOVER statements are generated. 3. The specific Dsnum value is not honored. 4. No report is generated. CIRCUMVENTION: 1. The SY-IC report can be generated by qualifying the header information as needed. 2. Use the RECOVER command on an Index-List (I-L) report by qualifying the header information as needed. 3. Qualify the header information using EQF with Dsnum. 4. Generate the SY-IC report by qualifying the header information as needed. PRODUCT(S) AFFECTED: RC/Query for Db2 for z/OS Version 20.0 Related Problem: RCQ 15985 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01973-D200 DESC(MULTIPLE ISSUES WITH SYSTEM (SY) REPORTS). ++VER (Z038) FMID (CRCQK00) PRE (LU01706 LU02030 LU03220 LU04430 LU05176 R096593 R099569 S001414 S004471 S006128 S006875 S007822 S008232 S010163 S015697) SUP (LT05408) ++IF FMID(CINSK00) REQ(LU05407) . ++HOLD (LU05408) SYSTEM FMID(CRCQK00) REASON (DB2BIND) DATE (22096) COMMENT (+-----+ RC/Query for Db2 for z/OS Version 20.0 +-----+

Service	Details
	<pre> SEQUENCE After Apply +-----+-----+ PURPOSE Bind Plans and Packages +-----+-----+ USERS AFFECTED All Users +-----+-----+ KNOWLEDGE REQUIRED Db2 Tools Post Install Customization. +-----+-----+ ACCESS 1. Db2 Tools Post Install REQUIRED 2. BIND, SYSADM or SYSCNTL on Db2 subsystem. +-----+-----+ ***** * STEPS TO PERFORM * ***** DBRMs have changed as part of this maintenance. The members in the CDBASKL1 library identify the packages that must be rebound. Refer to the Installing documentation for the Database Management Solutions for Db2 for z/OS on https://techdocs.broadcom.com for more information about performing the task in the following step. 1. Use Post-Install Tailoring option to Bind Product Packages and Plans. IMPORTANT! If SYSVIEW for Db2 is installed, a 'Bind ALL' is generated, and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors.). CSECT(RQALINE,RQALIN2). CSECT(RQASYL,RPTSVCST). </pre>

Service	Details
LU05422	LU05422 M.C.S. ENTRIES = ++PTF (LU05422) PQC REFACTORING ENGINE 6 ENHANCEMENT DESCRIPTION: In Quick Copy for DB2 for z/OS (PQC), the code for processing of the space map pages and resetting of the modification bits has been redesigned to facilitate future enhancements. PRODUCT(S) AFFECTED: Quick Copy for DB2 for z/OS (PQC) Version 20.0 Related Problem: PQC 16374 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01974-D200 DESC(PQC REFACTORING ENGINE 6). ++VER (Z038) FMID (CUGRK00) PRE (LU00141 LU01936 LU02529 LU02762 LU04435 R099574 S000029 S000201 S001660 S004475 S005018 S006069 S006132 S006879 S007826 S008668 S009132 S009903 S011239 S015308 S015487 S015609 S016181) SUP (LT01893 LT02307 LT03073 LT05422 LU01893 LU02307 LU03073)

Service	Details
LU05423	LU05423 M.C.S. ENTRIES = ++PTF (LU05423) PQC0461E OCCURS WHEN EXECUTING A PQC UTILITY PROBLEM DESCRIPTION: Quick Copy for Db2 for z/OS (PQC) utility jobs end with error message PQC0461E, even when the RESTART TYPE parameter provided to the utility is a valid value. PQC0461E INTERNAL ERROR: Invalid RESTART TYPE ries SYMPTOMS: PQC jobs end with the following error: PQC0461E INTERNAL ERROR: Invalid RESTART TYPE ries IMPACT: The PQC image copy creation process terminates. CIRCUMVENTION: None PRODUCT(S) AFFECTED: Quick Copy for DB2 for z/OS (PQC) Version 20.0 Related Problem: PQC 16692 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01975-D200 DESC(PQC0461E OCCURS WHEN EXECUTING A PQC UTILITY). ++VER (Z038) FMID (CPUTK00) PRE (LU00177 LU00727 LU03734 LU04427 LU05209 R099566 S000024 S001659 S005016 S005102 S006874 S007820 S008586 S009253 S011238 S011604 S011849 S011999 S012153 S012278 S012529) SUP (LT05423)

Service	Details
LU05457	LU05457 M.C.S. ENTRIES = ++PTF (LU05457) PFL VSAM DATA SETS SPACE ESTIMATION ENHANCEMENT DESCRIPTION: Infrastructure for future enhancement regarding VSAM allocation optimization. PRODUCT(S) AFFECTED: Fast Load for Db2 for z/OS Version 20.0 Related Problem: PFL 16300 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01977-D200 DESC(PFL VSAM DATA SETS SPACE ESTIMATION). ++VER (Z038) FMID (CPFLK00) PRE (LU00178 LU00724 LU00983 LU01720 LU02243 LU03191 LU03577 LU03846 LU04417 LU04616 LU05207 LU05225 R096581 R097708 S000018 S000704 S001656 S004275 S004459 S007170 S007811 S008428 S009024 S009977 S010195 S010752 S011601 S011996 S012128 S012150 S012275 S012526 S013097 S013203 S013765 S014772 S015312 S015484 S016089) SUP (LT02008 LT05457 LU02008 ST15281 ST15288)

Service	Details
LU05461	LU05461 M.C.S. ENTRIES = ++PTF (LU05461) DISPLAY SPACENAME DETAIL FOR THE SELECTED DISPLAY ROW PROBLEM DESCRIPTION: The data displayed on the Tablespace/Index Activity Detail Display does not match the selected row data from the previous display. SYMPTOMS: There are no abends or failure, however the data displayed on the Tablespace/Index Activity Detail Display does not match the data from the previous display. IMPACT: The product continues to function, but the Tablespace/Index Activity Detail Display contains invalid data. CIRCUMVENTION: None PRODUCT(S) AFFECTED: Subsystem Analyzer for Db2 for z/OS Version 20.0 Related Problem: PSA 16726 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01978-D200 DESC(DISPLAY SPACENAME DETAIL FOR THE SELECTED DISPLAY ROW). ++VER (Z038) FMID (CPSAK00) PRE (LU00859 LU01990 LU02133 LU04426 S007819 S012926) SUP (LT05461)

Service	Details
LU05464	LU05464 M.C.S. ENTRIES = ++PTF (LU05464) MOVE INSIGHT MESSAGES ABOVE THE 16M LINE PROBLEM DESCRIPTION: Move the Sysview/DB2 messages module NPRMSGs out of the Insight Nucleus module NSIGHTNU into its own load module above the 16Meg line. SYMPTOMS: None. IMPACT: Storage usage below the 16Meg line. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Option for Db2 for z/OS Version 20.0 Related Problem: IDB2 16559 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01979-D200 DESC(MOVE INSIGHT MESSAGES ABOVE THE 16M LINE). ++VER (Z038) FMID (CIDBK00) PRE (LU00253 LU00299 LU01041 LU01164 LU02096 LU02118 LU02642 LU02829 LU03195 LU03348 LU03435 LU04411 R096575 R099552 S001395 S004454 S006112 S006862 S006977 S007806 S008279 S008846 S009556 S010160 S011616 S012769 S013891 S014016 S014164 S014389 S015931 S015952 S016116 S016200) SUP (LT02606 LT05464 S012133 ST12133)

Service	Details
LU05495	LU05495 M.C.S. ENTRIES = ++PTF (LU05495) HELP PANEL FOR MESSAGES RAP325E AND RAP326E IS OUTDATED PROBLEM DESCRIPTION: The help panel for the error message RAP326E is outdated. The message can be issued by Database Management Solution for Db2 for z/OS (DBM) Post-Install tailoring for Database Analyzer for Db2 for z/OS (PDA) product specific Db2 task. SYMPTOMS: Help screen for the error message RAP326E refers to an outdated solution. IMPACT: The user is navigated to perform outdated solution steps. CIRCUMVENTION: Use the following instruction instead of one from the outdated help panel: Run the appropriate customization job from the "PDA Customization" screen within Post Install. "PDA Customization" is accessed by selecting: 1. "3 Tasks - Execute DB2 catalog customization tasks" 2. Select the appropriate PTISYS/DB2 3. Select PDA from the "Select DB2 Tasks" screen 4. Select the appropriate "PDA Customization" option and press Enter 5. Press PF3 to create the JCL on the "PDA Customization" panel. Execute the JCL. PRODUCT(S) AFFECTED: Database Analyzer for Db2 for z/OS Version 20.0 Related Problem: PDA 16781 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01980-D200 DESC(HELP PANEL FOR MESSAGES RAP325E AND RAP326E IS OUTDATED). ++VER (Z038) FMID (CPDAK00) PRE (LU04415) SUP (LT05495)

Service	Details
LU05496	LU05496 M.C.S. ENTRIES = ++PTF (LU05496) INDEX_SEARCH (N) PARMLIB OPTION GENERATES INCORRECT SQL PROBLEM DESCRIPTION: The Log Analyzer for Db2 for z/OS (PLA) DML Redo/Undo SQL report generates only the primary key columns into the WHERE clause of a DELETE or UPDATE statement when the INDEX_SEARCH parmlib parameter is set to N. SYMPTOMS: Only the primary key columns are generated into the WHERE clause of the SQL statement when a primary key exists on a table. IMPACT: The generated SQL is incorrect. CIRCUMVENTION: Specify all columns with the Specify KeyCols "Y" option on the DML Activity Report Options panel. PRODUCT(S) AFFECTED: Log Analyzer for Db2 for z/OS Version 20.0 Related Problem: PLA 16577 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01981-D200 DESC(INDEX_SEARCH (N) PARMLIB OPTION GENERATES INCORRECT SQL). ++VER (Z038) FMID (CPLAK00) PRE (LU04419 R099559 S000975 S004245 S008802 S011669 S012889) SUP (LT05496)

Service	Details
LU05497	LU05497 M.C.S. ENTRIES = ++PTF (LU05497) EXCEPTION DEFINITION MANAGEMENT USING JSON ENHANCEMENT DESCRIPTION: SYSVIEW Performance Management Option for DB2 for z/OS is enhanced to allow managing exception definitions using the Batch User Interface. Exception definitions can exported to or imported from a newly introduced JSON format. This format allows the user overview and modify the individual parameters of the exception definition. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Option for DB2 for z/OS Version 20.0 Related Problem: IDB2 15606 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01982-D200 DESC(EXCEPTION DEFINITION MANAGEMENT USING JSON) . ++VER (Z038) FMID (CIDBK00) PRE (LU00282 LU00299 LU00545 LU01030 LU01041 LU01829 LU01977 LU02093 LU02096 LU02118 LU02303 LU02516 LU03252 LU03286 LU03348 LU04229 LU04287 LU04374 LU04411 LU04803 LU05006 LU05058 LU05271 R096575 R097703 R099552 S001395 S004454 S006112 S006862 S006977 S007806 S008302 S008846 S009519 S009556 S010160 S011616 S012483 S012769 S013508 S013557 S013891 S014016 S014099 S014164 S014389 S014642 S014923 S015070 S015647 S015931 S016116 S016200 S016300) SUP (LT04011 LT04021 LT04028 LT04032 LT04036 LT04040 LT04045 LT04049 LT04054 LT04061 LT04207 LT05497 S011675 ST05936 ST11675)

Service	Details
LU05503	LU05503 M.C.S. ENTRIES = ++PTF (LU05503) ABEND OC4-38 IN DT\$DIU PROBLEM DESCRIPTION: Detector for Db2 for z/OS may take an SOC4 in DT\$DIU when freeing dynamic SQL text tracking structures. SYMPTOMS: The following message is written to the Xman log: CA-DETECTOR 20.0 DIAG/DUMP ABEND=SO4 MODULE=DT\$DIU OFFSET=0000BF6C IMPACT: Detector collections may terminate if multiple abends occur. CIRCUMVENTION: N/A PRODUCT(S) AFFECTED: Detector for Db2 for z/OS Version 20.0 Related Problem: PDT 16755 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved RO1984-D200 DESC (ABEND OC4-38 IN DT\$DIU) . ++VER (Z038) FMID (CPDTK00) PRE (LU00402 LU00549 LU01002 LU01542 LU01841 LU03917 LU04231 LU04263 LU04416 LU05052 R096168 R097707 R098429 R099556 S001400 S003942 S004458 S006116 S006334 S006865 S007810 S009044 S009601 S010908 S011694 S011983 S012538 S012921 S013887 S015395 S015499 S015573) SUP (LT05502 LT05503) ++HOLD (LU05503) SYSTEM FMID(CPDTK00) REASON (RESTART) DATE (22103) COMMENT (<pre> +-----+ Detector for Db2 for z/OS Version 20.0 +-----+-----+ SEQUENCE Before Apply +-----+-----+ PURPOSE Avoidance of module mismatch related errors in an Xmanager +-----+-----+ USERS Collections of Db2 statistics via Detector or Subsystem AFFECTED Analyzer. Db2 subsystems that have active collections. +-----+-----+ KNOWLEDGE 1. SMP/E REQUIRED 2. z/OS System Programming 3. Db2 Tools Installation and Maintenance procedures. +-----+-----+ ACCESS 1. Product runtime libraries. REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** </pre>

Service	Details
	To implement the PTF: 1. Stop product collections. 2. Stop the Xmanager task. 3. Update the runtime library. 4. Restart the Xmanager task. Important! Please do not apply maintenance to the Xmanager runtime libraries with Xmanager active as it may result in a discrepancy between dynamically loaded components and statically loaded components. This may result in unpredictable behavior with Db2 Tools and/or may compromise the operating system/Db2 including possible failures.).

Service	Details
LU05505	LU05505 M.C.S. ENTRIES = ++PTF (LU05505) INCORRECT LINE COMMAND EXECUTION FROM PK-UA REPORT PROBLEM DESCRIPTION: In RC/Query for Db2 for z/OS (RCQ), placing a '?' on the package line of a PK-UA report displays 'RC/QUERY PACKAGE REPORT OPTIONS'. A '?' on subsequent lines under the package displays 'RC/QUERY USER REPORT OPTIONS'. report options should not be shown from the PK-UA report. SYMPTOMS: The incorrect line command options are shown from the PK-UA report. User authorization options are shown when package report options should be. IMPACT: The incorrect line commands are shown from the PK-UA report. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Query for Db2 for z/OS Version 20.0 Related Problem: RCQ 16367 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01985-D200 DESC(INCORRECT LINE COMMAND EXECUTION FROM PK-UA REPORT). ++VER (Z038) FMID (CRCQK00) PRE (LU04244 LU04430 R099569 S006875) SUP (LT05505) ++IF FMID(CINSK00) REQ(LU04243) . CSECT(RQAPKUA,RPTSVCST) .

Service	Details
LU05511	LU05511 M.C.S. ENTRIES = ++PTF (LU05511) POST-INSTALL ENDS WITH SOC1 ABEND ON COMPRT STEP PROBLEM DESCRIPTION: In DBM Solutions for Db2 for z/OS Post-Install customization task, the COMPRT step which is to compare Db2 objects, may end with a SOC1 ABEND if the Db2 version is V10 or V11(CM). The same SOC1 abend happens when analyzing a compare strategy using RC/Compare for Db2 for z/OS (RCC), if the source or the target subsystem is DB2 V11 (CM). SYMPTOMS: RMA365E ***** RMA365E * * RMA365E * RC/MIGRATOR ANALYSIS ABEND HAS OCCURED * RMA365E * RMA@ESTA GENERAL PURPOSE ESTAE EXIT ENTERED * RMA365E * * RMA365E * ABEND CODE WAS:SOC1. REASON CODE WAS: 00000001 * RMA365E * * RMA365E * RMA@ESTA GENERAL PURPOSE ESTAE EXIT EXITING * RMA365E * * RMA365E ***** IEA995I SYMPTOM DUMP OUTPUT 794 SYSTEM COMPLETION CODE=0C1 REASON CODE=00000001 TIME=11.29.51 SEQ=23919 CPU=0000 ASID=0124 PSW AT TIME OF ERROR 078D1000 800A0002 ILC 2 INTC 01 NO ACTIVE MODULE FOUND NAME=UNKNOWN DATA AT PSW 0009FFFC - 00000000 00000000 00000000 IMPACT: The Post-Install task fails, and the upgrade does not complete. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Db2 Common Components Version 20.0 Related Problem: RCC 16787 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01986-D200 DESC(POST-INSTALL ENDS WITH SOC1 ABEND ON COMPRT STEP). ++VER (Z038) FMID (CINSK00) PRE (LU03657 LU04412 LU04493 S004455 S004718 S007379 S012933) SUP (LT05511)

Service	Details		
LU05515	LU05515 M.C.S. ENTRIES = ++PTF (LU05515) ASYN_RIO, ASYN_RPG AND ASYN_RPI COLUMNS SHOWING ZEROES PROBLEM DESCRIPTION: Subsystem Analyzer for Db2 for z/OS (PSA) is not capturing and recording asynchronous read I/O activity. SYMPTOMS: The ASYN_RIO, ASYN_RPG and ASYN_RPI columns show zeroes. IMPACT: Missing asynchronous read I/O statistics. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Subsystem Analyzer for Db2 for z/OS Version 20.0 Related Problem: PSA 16501 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01987-D200 DESC (ASYN_RIO, ASYN_RPG AND ASYN_RPI COLUMNS SHOWING ZEROES). ++VER (Z038) FMID (CPSAK00) PRE (LU01543 LU01990 LU03918 LU04232 LU04426 R097716 R098430 S000871 S004468 S006335 S008190 S009267 S010867 S011695 S012926 S014681 S016175) SUP (LT01652 LT01732 LT03601 LT03898 LT03916 LT05515 LU01732 LU03601 S001635 ST01635 ST09266 ST10535 ST10810 ST10863 ST10905 ST13777 TR97538 TR98368) ++HOLD (LU05515) SYSTEM FMID(CPSAK00) REASON (RESTART) DATE (22103) COMMENT (<table border="1"> <tr> <td>Subsystem Analyzer for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> SEQUENCE Before Apply PURPOSE Avoidance of module mismatch related errors in an Xmanager USERS Collections of Db2 statistics via Detector or Subsystem AFFECTED Analyzer. Db2 subsystems that have active collections. KNOWLEDGE 1. SMP/E REQUIRED 2. z/OS System Programming 3. Db2 Tools Installation and Maintenance procedures. ACCESS 1. Product runtime libraries. REQUIRED ***** * STEPS TO PERFORM * ***** To implement the PTF: 1. Stop product collections.	Subsystem Analyzer for Db2 for z/OS	Version 20.0
Subsystem Analyzer for Db2 for z/OS	Version 20.0		

Service	Details
	2. Stop the Xmanager task. 3. Update the runtime library. 4. Restart the Xmanager task. Important! Please do not apply maintenance to the Xmanager runtime libraries with Xmanager active as it may result in a discrepancy between dynamically loaded components and statically loaded components. This may result in unpredictable behavior with Db2 Tools and/or may compromise the operating system/Db2 including possible failures.).

Service	Details
LU05520	LU05520 M.C.S. ENTRIES = ++PTF (LU05520) PRODUCT LICENSE PROCESSING ENHANCEMENT DESCRIPTION: Product license processing has been updated. PRODUCT(S) AFFECTED: Database Administration RC/Query Version 20.0 RC/Migrator Version 20.0 RC/Update Version 20.0 RC/Secure Version 20.0 RC/Secure Version 20.0 CA Endeavor for DB2 Version 20.0 Backup and Recovery Log Analyzer Version 20.0 Merge/Modify Version 20.0 Recovery Analyzer Version 20.0 Performance Management Database Analyzer Version 20.0 Detector Version 20.0 SYSVIEW for DB2 Version 20.0 Plan Analyzer Version 20.0 SQL-Ease Version 20.0 Subsystem Analyzer Version 20.0 Report Facility Version 20.0 DB2 Object Manager Version 20.0 Batch Processor Version 20.0 DB2 Command Processor Version 20.0 Interactive SQL Version 20.0 Alternate Catalog Mapping Services Version 20.0 CA Thread Terminator Version 20.0 Utility Manager Version 20.0 RI Manager Version 20.0 CA Health Checker Common Service Version 20.0 Related Problem: GEN 16219 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01988-D200 DESC(PRODUCT LICENSE PROCESSING) . ++VER (Z038) FMID (CINSK00) PRE (LU04412 R099553 S004455 S006113 S010173 S012794 S014027) SUP (LT05520)

Service	Details
LU05528	LU05528 M.C.S. ENTRIES = ++PTF (LU05528) ALTER TABLE ADD CONSTRAINT ISSUES PROBLEM DESCRIPTION: The Object Framework Services(OFS) component in the Database Management Solutions for Db2 for z/OS generates below statements incorrectly: ALTER TABLE creatorname.tbname ADD PRIMARY KEY, ALTER TABLE creatorname.tbname UNIQUE KEY ALTER TABLE creatorname.tbname ADD CONSTRAINT CHECK() SYMPTOMS: PRIMARY KEY clause is missing in ALTER TABLE CREATORNAME.TBNAME ADD PRIMARY KEY CONSTRAINT CONNAME. UNIQUE KEY clause is missing in ALTER TABLE CREATORNAME.TBNAME ADD UNIQUE KEY CONSTRAINT CONNAME. ADD clause is missing in ALTER TABLE CREATORNAME.TBNAME ADD CONSTRAINT CHECK(CHECK-CONDITION) . IMPACT: Statements generated are incorrect. CIRCUMVENTION: None PRODUCT(S) AFFECTED: Log Analyzer for Db2 for z/OS Version 20.0 Related Problem: OFS 15953 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01989-D200 DESC(ALTER TABLE ADD CONSTRAINT ISSUES) . ++VER (Z038) FMID (COFSK00) PRE (LU00531 LU01053 LU01832 LU02280 LU03315 LU03659 LU04085 LU04413 R096577 R097705 R099554 S001397 S001666 S004456 S006114 S006864 S007808 S008663 S008858 S013990 S015225 S015440) SUP (LT05402 LT05404 LT05528)

Service	Details
LU05530	LU05530 M.C.S. ENTRIES = ++PTF (LU05530) DETECTOR COLLECTION STATUS PANEL MISSING DATA FROM OWN LPAR PROBLEM DESCRIPTION: When multiple Xmanager tasks are executing on the same LPAR, the Detector for Db2 for z/OS (PDT) DETECTOR Collection Status Display panel does not display collection statistics for the LPAR when connecting to an Xmanager where the PDT collection is not started. SYMPTOMS: The DETECTOR Collection Status Display panel will show the CSTATUS as ACTIVE, but no collection statistics are displayed IMPACT: The missing Collection Status Display statistics data cannot be viewed. CIRCUMVENTION: None PRODUCT(S) AFFECTED: Detector for Db2 for z/OS Version 20.0 Related Problem: PDT 16683 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01990-D200 DESC(DETECTOR COLLECTION STATUS PANEL MISSING DATA FROM OWN LPAR) . ++VER (Z038) FMID (CPDTK00) PRE (LU01982 LU02132 LU04416 S001400 S016174) SUP (LT05530)

Service	Details
LU05534	LU05534 M.C.S. ENTRIES = ++PTF (LU05534) PUT6204E ERROR WITH DISCARDS/SOC4 WITH RESUME NO/PFL0301E PROBLEM DESCRIPTION: 1. Fast Load for Db2 for z/OS (PFL) may issue error messages and end with user abend U0100 in UTLGLCTL+4E92 under the following circumstances: - Performing LOAD REPLACE, - The loaded table has a unique index, - All the input records are discarded because of duplicate index keys. 2. PFL abends with a SOC4 code in the FLLMITS module when RESUME NO is specified and loading a non-UTS table space with extended RBA/LRSN. 3. PFL may print the error message PFL0301E in PTIMSG when loading a table under the following circumstances: - OUTPUT-CONTROL ALL is specified or defaulted, - The table has no clustering index, - RECLUSTER NO SORT-NONE is not specified. 4. PFL may abend in a module when ALLMSG YES is specified. For example, PFL may abend with a SOC1 or SOC4 code in the UTLMSG or another module. SYMPTOMS: 1. The following messages are printed during the discard deletion phase in PTIMSG: PUT6204E - Index PDUTL03.R#TP27X0. GETDIR Error Expected Page: 00000000, Max_Page of Dataset: 000FFEFF MMGR Return Code: 00000040, Reason Code: 00000000 GENMM14E - PTL@MMGR Logic Error: Requested key is beyond high used RBA. This is followed by diagnostic messages. Message PFL0028I indicates return code 8, but the step ends with the user abend. 2. SOC4 abend in the FLLMITS module. 3. The following message is printed in PTIMSG: PFL0301E - Internal Error Detected Module: FLARM1 Reason: MN0602 The step ends with return code 0. 4. SOC1/SOC4 abends. IMPACT: 1. The load fails. 2. The load fails. 3. No rows are loaded into the tablespace. 4. The load fails. CIRCUMVENTION: 1. Fix the input data to remove the duplicates. 2. None. 3. Specify RECLUSTER NO SORT-NONE in the PFL SYSIN. 4. Specify ALLMSG NO in the PFL SYSIN. PRODUCT(S) AFFECTED: Fast Load for Db2 for z/OS Related Problem: PFL 16706 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01991-D200 DESC(PUT6204E ERROR WITH DISCARDS/SOC4 WITH RESUME NO/PFL0301E). ++VER (Z038)

Service	Details
	<pre> FMID (CPFLK00) PRE (LU00136 LU00247 LU00301 LU01349 LU02243 LU03191 LU03210 LU03684 LU03742 LU04417 LU04616 LU04980 LU05207 LU05225 LU05348 S000018 S001656 S005012 S006117 S008071 S009024 S011107 S011996 S012107 S012150 S012275 S012526 S013150 S013706 S013765 S014031 S015235 S015484 S015738 S015938) SUP (AL05348 LT02821 LT03038 LT05534 ST11056 ST13122 ST15157) ++IF FMID(CPUTK00) REQ(LU05535). </pre>

Service	Details
LU05535	LU05535 M.C.S. ENTRIES = ++PTF (LU05535) PUT6204E ERROR WITH DISCARDS/SOC4 WITH RESUME NO/PFL0301E PROBLEM DESCRIPTION: 1. Fast Load for Db2 for z/OS (PFL) may issue error messages and end with user abend U0100 in UTLGLCTL+4E92 under the following circumstances: - Performing LOAD REPLACE, - The loaded table has a unique index, - All the input records are discarded because of duplicate index keys. 2. PFL abends with a SOC4 code in the FLLMITS module when RESUME NO is specified and loading a non-UTS table space with extended RBA/LRSN. 3. PFL may print the error message PFL0301E in PTIMSG when loading a table under the following circumstances: - OUTPUT-CONTROL ALL is specified or defaulted, - The table has no clustering index, - RECLUSTER NO SORT-NONE is not specified. 4. PFL may abend in a module when ALLMSG YES is specified. For example, PFL may abend with a SOC1 or SOC4 code in the UTLMSG or another module. SYMPTOMS: 1. The following messages are printed during the discard deletion phase in PTIMSG: PUT6204E - Index PDUTL03.R#TP27X0. GETDIR Error Expected Page: 00000000, Max_Page of Dataset: 000FFEFF MMGR Return Code: 00000040, Reason Code: 00000000 GENMM14E - PTL@MMGR Logic Error: Requested key is beyond high used RBA. This is followed by diagnostic messages. Message PFL0028I indicates return code 8, but the step ends with the user abend. 2. SOC4 abend in the FLLMITS module. 3. The following message is printed in PTIMSG: PFL0301E - Internal Error Detected Module: FLARM1 Reason: MN0602 The step ends with return code 0. 4. SOC1/SOC4 abends. IMPACT: 1. The load fails. 2. The load fails. 3. No rows are loaded into the tablespace. 4. The load fails. CIRCUMVENTION: 1. Fix the input data to remove the duplicates. 2. None. 3. Specify RECLUSTER NO SORT-NONE in the PFL SYSIN. 4. Specify ALLMSG NO in the PFL SYSIN. PRODUCT(S) AFFECTED: Fast Load for Db2 for z/OS Related Problem: PFL 16706 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01991-D200 DESC(PUT6204E ERROR WITH DISCARDS/SOC4 WITH RESUME NO/PFL0301E). ++VER (Z038)

Version 20.0

Service	Details
	FMID (CPUTK00) PRE (LU00248 LU03192 LU03323 LU03847 LU04427 LU04618 LU05305 LU05349 S000024 S008072 S008380 S008429 S008586 S008879 S009854 S009978 S011238 S011521 S011999 S012153 S012529 S013098 S013767 S014035 S014773 S015486 S015740) SUP (LT05535 ST08364) ++IF FMID(CPFLK00) REQ(LU05534).

Service	Details	
LU05545	LU05545 M.C.S. ENTRIES = ++PTF (LU05545)	
	DETECTOR MAY INCUR AN S04E ABEND IN THE RECOVERY ROUTINE	
	PROBLEM DESCRIPTION:	
	Detector for Db2 for z/OS (PDT) may incur an S04E abend in the recovery routine when executing a stored procedure. The abend occurs when a cancel thread request is issued.	
	SYMPTOMS:	
	Detector recovers from the S04E abend and returns control back to Db2. Db2 may take an SVC dump.	
	IMPACT:	
	Minimal impact. Collection continues without terminating.	
	CIRCUMVENTION:	
	None.	
	PRODUCT(S) AFFECTED:	
	Detector for Db2 for z/OS	Version 20.0
	Related Problem:	
	PDT 16500	
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	R01992-D200	
	DESC(DETECTOR MAY INCUR AN S04E ABEND IN THE RECOVERY ROUTINE).	
	++VER (Z038)	
	FMID (CPDTK00)	
	PRE (LU00240 LU00329 LU00402 LU00549 LU00684 LU01002 LU01215	
	LU01393 LU01467 LU01542 LU01933 LU02220 LU02290 LU02554	
	LU02706 LU02796 LU02944 LU03093 LU03461 LU03917 LU04231	
	LU04416 LU05127 LU05152 R096168 R096580 R097707 R098429	
	R099556 R099946 S000263 S000423 S003942 S004458 S004757	
	S006116 S006334 S006838 S006865 S007810 S007988 S008129	
	S008323 S008446 S008789 S009065 S009828 S010018 S010492	
	S010538 S010652 S010908 S011694 S011983 S012538 S012921	
	S013450 S013655 S013889 S014338 S014680 S015843 S015927	
	S016113)	
	SUP (AL05152 LT00307 LT01214 LT01903 LT01956 LT02217 LT03386	
	LT03406 LT05265 LT05545 LU03386 LU03406 LU05265)	
	++HOLD (LU05545) SYSTEM FMID(CPDTK00)	
	REASON (RESTART) DATE (22109)	
	COMMENT (	
	+-----+	
	Detector for Db2 for z/OS	Version 20.0
	+-----+	
	SEQUENCE	Before Apply
	+-----+	
	PURPOSE	Avoidance of module mismatch related errors in an Xmanager
	+-----+	
	USERS	Collections of Db2 statistics via Detector or Subsystem
	AFFECTED	Analyzer.
		Db2 subsystems that have active collections.
	+-----+	
	KNOWLEDGE	1. SMP/E
	REQUIRED	2. z/OS System Programming
		3. Db2 Tools Installation and Maintenance procedures.
	+-----+	

Service	Details
	<pre> ACCESS 1. Product runtime libraries. REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** To implement the PTF: 1. Stop product collections. 2. Stop the Xmanager task. 3. Update the runtime library. 4. Restart the Xmanager task. Important! Please do not apply maintenance to the Xmanager runtime libraries with Xmanager active as it may result in a discrepancy between dynamically loaded components and statically loaded components. This may result in unpredictable behavior with Db2 Tools and/or may compromise the operating system/Db2 including possible failures.).</pre>

Service	Details		
LU05547	LU05547 M.C.S. ENTRIES = ++PTF (LU05547) EXCESSIVE PXM0203 MESSAGES PROBLEM DESCRIPTION: The Xmanager is issuing excessive PXM0203 messages. SYMPTOMS: The SYSLOG and Xmanager JES2 log contain an excessive number of the following message: PXM0203 XMANAGER DETECTED INIT COMPLETE DB2=ssid IMPACT: The logs are cluttered with unnecessary information. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Db2 Common Components Version 20.0 Related Problem: PXM 16632 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01993-D200 DESC(EXCESSIVE PXM0203 MESSAGES). ++VER (Z038) FMID (CINSK00) PRE (LU02124 LU04230 LU04412 LU04452 S001665 S009796 S010907 S014295) SUP (LT05547 ST10808 ST10861 ST10903) ++HOLD (LU05547) SYSTEM FMID(CINSK00) REASON (RESTART) DATE (22111) COMMENT (<table border="1"> <tr> <td>Db2 Common Components</td><td>Version 20.0</td></tr> </table> SEQUENCE Before Apply PURPOSE Avoidance of module mismatch related errors in an Xmanager USERS Collections of Db2 statistics via Detector or Subsystem AFFECTED Analyzer. Db2 subsystems that have active collections. KNOWLEDGE 1. SMP/E REQUIRED 2. z/OS System Programming 3. Db2 Tools Installation and Maintenance procedures. ACCESS 1. Product runtime libraries. REQUIRED ***** * STEPS TO PERFORM * ***** To implement the PTF: 1. Stop product collections. 2. Stop the Xmanager task. 3. Update the runtime library.	Db2 Common Components	Version 20.0
Db2 Common Components	Version 20.0		

Service	Details
	4. Restart the Xmanager task. Important! Please do not apply maintenance to the Xmanager runtime libraries with Xmanager active as it may result in a discrepancy between dynamically loaded components and statically loaded components. This may result in unpredictable behavior with Db2 Tools and/or may compromise the operating system/Db2 including possible failures.).

Service	Details																		
LU05555	LU05555 M.C.S. ENTRIES = ++PTF (LU05555) ALIAS LIST REPORT FAILS WITH -918 SQLERROR PROBLEM DESCRIPTION: In RC/Query for Db2 for z/OS (RCQ), the Alias List(A-L) report fails with -918 sql error when trying to list all aliases. SYMPTOMS: When the report header fields are blank, the Alias List report receives the following error: DSNT408I SQLCODE = -918, ERROR: THE SQL STATEMENT CANNOT BE EXECUTED BECAUSE A CONNECTION HAS BEEN LOST DSNT418I SQLSTATE = 51021 SQLSTATE RETURN CODE IMPACT: User cannot use A-L report to list all the aliases. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Query for Db2 for z/OS Version 20.0 Related Problem: RCQ 16826 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01994-D200 DESC(ALIAS LIST REPORT FAILS WITH -918 SQLERROR). ++VER (Z038) FMID (CRCQK00) PRE (LU04430 LU04657 R099569 S001414 S007822 S014101 S014307) SUP (LT05555) ++HOLD (LU05555) SYSTEM FMID(CRCQK00) REASON (DB2BIND) DATE (22116) COMMENT (<table border="1"> <tr> <td>RC/Query for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>SEQUENCE</td><td>After Apply</td></tr> <tr> <td>PURPOSE</td><td>Bind Plans and Packages</td></tr> <tr> <td>USERS</td><td></td></tr> <tr> <td>AFFECTED</td><td>All Users</td></tr> <tr> <td>KNOWLEDGE</td><td></td></tr> <tr> <td>REQUIRED</td><td>Db2 Tools Post Install Customization.</td></tr> <tr> <td>ACCESS</td><td>1. Db2 Tools Post Install</td></tr> <tr> <td>REQUIRED</td><td>2. BIND, SYSADM or SYSCNTL on Db2 subsystem.</td></tr> </table> ***** * STEPS TO PERFORM * ***** DBRMs have changed as part of this maintenance. The members in the CDBASKL1 library identify the packages that must be rebound. Refer to the Installing documentation for the Database Management Solutions for Db2 for z/OS on https://techdocs.broadcom.com for more	RC/Query for Db2 for z/OS	Version 20.0	SEQUENCE	After Apply	PURPOSE	Bind Plans and Packages	USERS		AFFECTED	All Users	KNOWLEDGE		REQUIRED	Db2 Tools Post Install Customization.	ACCESS	1. Db2 Tools Post Install	REQUIRED	2. BIND, SYSADM or SYSCNTL on Db2 subsystem.
RC/Query for Db2 for z/OS	Version 20.0																		
SEQUENCE	After Apply																		
PURPOSE	Bind Plans and Packages																		
USERS																			
AFFECTED	All Users																		
KNOWLEDGE																			
REQUIRED	Db2 Tools Post Install Customization.																		
ACCESS	1. Db2 Tools Post Install																		
REQUIRED	2. BIND, SYSADM or SYSCNTL on Db2 subsystem.																		

Service	Details
	information about performing the task in the following step. 1. Use Post-Install Tailoring option to Bind Product Packages and Plans. IMPORTANT! If SYSVIEW for Db2 is installed, a 'Bind ALL' is generated, and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors.).

Service	Details
LU05564	LU05564 M.C.S. ENTRIES = ++PTF (LU05564) SOC1 IN AMXACTDE FOR REAL TIME EXCEPTIONS PROBLEM DESCRIPTION: SYSVIEW Performance Management Option for Db2 for z/OS Data Collector terminates immediately after startup if the exception definition file contains a real-time application exception defined for any of the following fields: QWACRBSV (Number of rollback to savepoint requests) QWACRLSV (Number of release savepoint requests) QWACSVPT (Number of savepoint requests) SYMPTOMS: The Data Collector joblog contains the following message: CCSR010E NMSPRMVC SOC1 at ... LMOD AMXACTC. CSECT AMXACTDM +004490 IMPACT: The Data Collector started tasks terminates immediately after startup. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Option for Db2 for z/OS Version 20.0 Related Problem: IDB2 16799 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01996-D200 DESC(SOC1 IN AMXACTDE FOR REAL TIME EXCEPTIONS). ++VER (Z038) FMID (CIDBK00) PRE (LU00545 LU02340 LU02708 LU03929 LU04374 LU04411 LU04803 LU05058 S006112 S006862 S007806 S008846 S010906 S011616 S012769 S013891 S014099 S015070) SUP (AL04803 LT00159 LT01845 LT04919 LT05564 LU00159 LU01845 LU04919)

Service	Details
LU05590	LU05590 M.C.S. ENTRIES = ++PTF (LU05590) INCORRECT ALTER DDL WHEN ADDING PARTITION TO AN ICP TABLE PROBLEM DESCRIPTION: When using RC/Migrator for Db2 for z/OS (RCM) to add a new partitions to a table which supports Index Control Partitioning, the analysis generates incorrect DDL: 1) ALTER INDEX DDL to alter the CLUSTER 2) ALTER TABLE DDL to alter the LIMIT KEY values of a partition which is not being altered. 3) The LIMIT KEY values for the added partitions are incorrect. SYMPTOMS: <pre>ALTER INDEX <IXCreator>.<IXName> NOT CLUSTER; ALTER INDEX <IXCreator>.<IXName> CLUSTER; ALTER TABLE <TBCreator>.<TBName> ALTER PARTITION 5 ENDING AT (Limit key value) ; ALTER TABLE <TBCreator>.<TBName> ADD PARTITION ENDING AT (New Limit key value) ; IMPACT: The Limit Key Values will be incorrect for the the altered and added partitions. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Migrator for Db2 for z/OS Version 20.0 Related Problem: RCM 16841 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R01999-D200 DESC(INCORRECT ALTER DDL WHEN ADDING PARTITION TO AN ICP TABLE). ++VER (Z038) FMID (CINSK00) PRE (LU00446 LU00989 LU03657 LU04149 LU04412 R097704 R099553 S001396 S006113 S007379 S009105 S011691 S011866 S011966 S012361 S012933 S014125) SUP (LT05590 S011737 ST11737)</pre>

Service	Details
LU05600	LU05600 M.C.S. ENTRIES = ++PTF (LU05600) THE SQL BASED APPLICATION EXCEPTION IS FALSELY RAISED. PROBLEM DESCRIPTION: The SYSVIEW Performance Management Option for Db2 for z/OS (IDB2) SQL based application exceptions mistakenly treat multiple SQL executions as continuation of the same statement. This applies to statements executing in short running distributed threads with same credentials and allocated with KEEP DYNAMIC(YES) or for high performance DBATs (HPDBAT). This problem exists in Db2 for z/OS version 12 and above. SYMPTOMS: The SQL based application exception is falsely raised. IMPACT: The SQL exception condition is raised for a statement that has not truly exceeded the defined limits. Subsequent automated actions taken by the exception system for the affected thread are therefore incorrect. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Option for Db2 for z/OS Version 20.0 Related Problem: IDB2 16758 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved RO2001-D200 DESC (THE SQL BASED APPLICATION EXCEPTION IS FALSELY RAISED.). ++VER (Z038) FMID (CIDBK00) PRE (LU00545 LU02340 LU02708 LU03929 LU04374 LU04411 LU04803 LU05058 S006112 S006862 S007806 S008846 S010906 S011616 S012769 S013891 S014099 S015070) SUP (AL04803 LT00159 LT01845 LT04919 LT05564 LT05600 LU00159 LU01845 LU04919 LU05564)

Service	Details
LU05606	LU05606 M.C.S. ENTRIES = ++PTF (LU05606) LIMIT SQL TEXT LENGTH FIELD TO 4000 IN IFCID 145 PROBLEM DESCRIPTION: The SYSVIEW Performance Management Option for DB2 for z/OS (IDB2) will check SQL text length field in IFCID 145 and set it to 4000 if the actual value is >4000. SYMPTOMS: Currently IDB2 supports SQL text upto max 4000 chars in IFCID 145. However corresponding length field may contain a higher value. In such cases, records that are prepared for LOADING into archive table will be discarded. Below message can be seen in the LOAD job log. DSNU318I !SSID 108 05:46:17.68 DSNURWBF - RECORD (1) WILL BE DISCARDED DUE TO INVALID 'SQL_TEXT' COLUMN SPECIFICATION FOR XXX.AUDIT_DML_BIND_DETAIL IMPACT: Records will not be loaded into archive table. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Option for Db2 for z/OS Version 20.0 Related Problem: IDB2 16735 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02002-D200 DESC(LIMIT SQL TEXT LENGTH FIELD TO 4000 IN IFCID 145). ++VER (Z038) FMID (CIDBK00) PRE (LU00697 LU01175 LU02646 LU03091 LU03286 LU04411 LU05224 R096575 R097703 R099552 S001395 S004454 S006112 S006862 S008846 S010160 S010405 S011616 S011780 S011977 S012769 S013557 S013891 S014099 S014754 S015070 S015254 S015647) SUP (LT05606 S015913 ST15913)

Service	Details
LU05647	LU05647 M.C.S. ENTRIES = ++PTF (LU05647) ABEND SOC4-11 NGRABP6C+2C8 IN EXCEPTION SYSTEM PROBLEM DESCRIPTION: SYSVIEW Performance Management Option for Db2 for z/OS (IDB2) may encounter an SOC4-11 ABEND in module NGRABP6C+2C8 if DB2 does not return the output of the -DISPLAY GROUP DETAIL command to the exception system. SYMPTOMS: DBG72002I DBS1 16:46:33 SUBSYSTEM EXCEPTION ROUTINE ERROR DBG72002I DBS1 16:46:38 SUBSYSTEM EXCEPTION ROUTINE ERROR DBG72002I DBS1 16:46:43 SUBSYSTEM EXCEPTION ROUTINE ERROR DBG72003E DBS1 16:46:48 BEGINNING ESTAE ROUTINE PROCESSING CCSR010E NMSPRMVC SOC4 at 18B1C5B8 LMOD NGRABPC2 CSECT CCSR021I OWNER = CA SYSVIEW for DB2 R20.0 CCSR022I MODULE = NGRABP6C FMID = CIDBK00 RMID = S014254 CCSR060I BREAKING EVENT ADDRESS: 00000000 18B1C4D6 CCSR061I PSW: 07041000 80000000 00000000 18B1C5B8 CCSR062I ILC: 06 INTERRUPT CODE: 11 CCSR067I COMPLETION CODE SOC4 REASON CODE 00000011 CCSR063I TRANSLATION EXCEPTION ADDRESS: 00000000_1D5D7800 CCSR064I DATA AT PSW 18B1C5B2 : 001B4150 5001D507 C8C05000 CCSR065I HOME = 0068 PRIMARY = 0068 SECONDARY = 0068 CCSR070I GR00 - GR01 00000000_001194F4 00000000_00000005 CCSR070I GR02 - GR03 00000000_0000001C 00000000_0011948C CCSR070I GR04 - GR05 00000000_18B1C90A 00000000_1D5D6FF9 CCSR070I GR06 - GR07 00000000_001194A4 00000000_00119460 CCSR070I GR08 - GR09 00000000_00000C00 00000000_00119488 CCSR070I GR10 - GR11 00000000_0006C000 00000000_00122000 CCSR070I GR12 - GR13 00000000_18B1C2F0 00000000_00119350 CCSR070I GR14 - GR15 00000000_00000018 00000000_00000007 IMPACT: The data collector terminates and must be restarted. CIRCUMVENTION: Deactivate the subsystem exceptions that require the output of the -DISPLAY GROUP DETAIL command. They are: High percent of SCA in use: &VALUEXX High percent of CF list entries in use: &VALUEXX PRODUCT(S) AFFECTED: SYSVIEW Performance Management Option for Db2 for z/OS Version 20.0 Related Problem: IDB2 16871 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02005-D200 DESC (ABEND SOC4-11 NGRABP6C+2C8 IN EXCEPTION SYSTEM) . ++VER (Z038) FMID (CIDBK00) PRE (LU04097 LU04411 LU05058 R096575 S004454) SUP (LT05647 S014254 ST14254)

Service	Details
LU05663	LU05663 M.C.S. ENTRIES = ++PTF (LU05663) SYSIN CONCATENATION DD STATEMENT MISPLACED IN ACTION JCL PROBLEM DESCRIPTION: After applying PTF LU03680, Database Analyzer for Db2 for z/OS (PDA) may misplace the SYSIN concatenation DD statement above the SYSIN DD statement. SYMPTOMS: The generated Action JCL will place the SYSIN concatenation DD statement above the SYSIN DD * card: <pre>// DD DISP=SHR,DSN=REST.OF.REORG.SYSIN.CARDS (incorrect) //SYSIN DD *</pre> REORG TABLESPACE DEMODB01.DEMOTS1 SHRLEVEL CHANGE SORTDEVT SYSDA SORTNUM 4 instead of the expected result: <pre>//SYSIN DD *</pre> REORG TABLESPACE DBNAME.TSNAME SHRLEVEL CHANGE SORTDEVT SYSDA SORTNUM 4 <pre>// DD DISP=SHR,DSN=REST.OF.REORG.SYSIN.CARDS (correct)</pre> IMPACT: The control card resulting from the SYSIN concatenation will be ignored. Additionally, the dataset may be incorrectly concatenated with another DD statement. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Database Analyzer for Db2 for z/OS Version 20.0 Related Problem: PDA 16761 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02007-D200 DESC(SYSIN CONCATENATION DD STATEMENT MISPLACED IN ACTION JCL). ++VER (Z038) FMID (CPDAK00) PRE (LU00146 LU03680 LU04415) SUP (AL03680 LT05663)

Service	Details
LU05681	LU05681 M.C.S. ENTRIES = ++PTF (LU05681) CORRECTION TO SPLIT AND FIND COMMANDS FOR OBJECT INFO TEXT PROBLEM DESCRIPTION: Report Facility (PRF) line command SPLIT ('S') and primary command FIND are not working as expected on the PRF Object Info/Rename/Copy screen. SYMPTOMS: The SPLIT ('S') command does not split the object text at the desired cursor position. The FIND command points to an incorrect line when it finds a matching string in the object information text. IMPACT: PRF users cannot use the line command SPLIT ('S') and the primary command FIND on the PRF Object Info/Rename/Copy screen. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Report Facility (PRF) Version 20.0 Related Problem: BIPRF 16867 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02008-D200 DESC(CORRECTION TO SPLIT AND FIND COMMANDS FOR OBJECT INFO TEXT). ++VER (Z038) FMID (CPRFK00) PRE (LU00250 LU00581 LU01321 LU04422 R097712 R099562 S001406 S004464 S006443) SUP (LT05681) ++IF FMID(CPRFK01) REQ(LU05682). ++IF FMID(CPRFK02) REQ(LU05683).

Service	Details
LU05684	LU05684 M.C.S. ENTRIES = ++PTF (LU05684) CORRECTION TO INDEX STATS DURING NPI REBUILD WITH MAXTASKS>1 PROBLEM DESCRIPTION: Fast Recover for Db2 for z/OS (PFR) when rebuilding an NPI index for a partitioned tablespace with MAXTASKS > 1 and without the ESTIMATED-KEYS parameter, uses an incorrect estimated count of the index keys while sorting records. SYMPTOMS: SORT tasks may report the following error: ICE116A SORT CAPACITY EXCEEDED (for DFSORT). WER046A SORT CAPACITY EXCEEDED (for SYNC SORT). Additionally, the following message may indicate incorrect expected number of keys: ICE253I RECORDS SORTED - PROCESSED: p, EXPECTED: e IMPACT: The sorting of records is done with an incorrect estimated count of the index keys. CIRCUMVENTION: Provide the ESTIMATED-KEYS parameter with the estimated count of the index keys to recover. PRODUCT(S) AFFECTED: Fast Recover for Db2 for z/OS (PFR) Version 20.0 Related Problem: PFR 16813 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02009-D200 DESC(CORRECTION TO INDEX STATS DURING NPI REBUILD WITH MAXTASKS>1). ++VER (Z038) FMID (CUGRK00) PRE (LU00141 LU00728 LU02712 LU03326 LU04435 R096595 S000029 S000788 S001660 S004251 S008280 S012000 S012155 S013206 S015487) SUP (LT05684)

Service	Details
LU05687	LU05687 M.C.S. ENTRIES = ++PTF (LU05687) SUPPORT FOR NEW DB2 12 STATEMENT POOL PAGES METRICS ENHANCEMENT DESCRIPTION: The SYSVIEW Performance Management Option for Db2 for z/OS (IDB2) adds support for new Db2 12 fields to the CURR-STATS2 (IFCID 2/1002) trace record The following Db2 12 field was added: STMTPOOL-STEALABLE (QISEDYLRU) - total number of stealable statement pool pages The following field that was previously deprecated is now populated: TOT-STMTPOOL-PAGES (QISECPGE) - total number of statement pool pages The following reports were updated: EDMPOOL, HSEDM, HSUEDM, DSAISTD, DSQAPMGS, DSQAPMSS, DSQHIST, DSQSTATS, BTRHWMMSM, BTRHWMTR, BTSTASM2, BTSTATR1 PRODUCT(S) AFFECTED: SYSVIEW Performance Management Option for Db2 for z/OS Version 20.0 Related Problem: IDB2 16362 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02011-D200 DESC(SUPPORT FOR NEW DB2 12 STATEMENT POOL PAGES METRICS) . ++VER (Z038) FMID (CIDBK00) PRE (LU00246 LU00299 LU00545 LU00697 LU00881 LU01030 LU01166 LU01175 LU01977 LU02033 LU02325 LU02340 LU02428 LU02516 LU02634 LU02646 LU02800 LU03023 LU03091 LU03195 LU03256 LU03286 LU03348 LU03435 LU03929 LU04097 LU04282 LU04287 LU04374 LU04411 LU04498 LU04566 LU04803 LU05058 LU05224 LU05497 R096575 R097703 R099552 S001395 S001664 S004454 S006112 S006862 S007806 S008846 S010160 S010739 S010906 S011465 S011616 S011780 S011977 S012536 S012769 S013508 S013557 S013891 S014016 S014099 S014642 S014754 S014843 S014883 S014923 S015049 S015070 S015254 S015647 S015931 S016200 S016270 S016300) SUP (AL02340 AL04803 AS16200 LT00159 LT00282 LT01513 LT01581 LT01845 LT02439 LT02708 LT03146 LT03673 LT04818 LT04919 LT05564 LT05600 LT05687 LU00159 LU00282 LU01513 LU01581 LU01845 LU02439 LU02708 LU03146 LU03673 LU04818 LU04919 LU05564 LU05600 R097683 S008728 S015761 ST03732 ST04950 ST08728 ST15761 TR97683) CSECT(AMXSSXPC,AMXSSXPM,ESTAERTN,POSTME) .

Service	Details	
LU05695	LU05695 M.C.S. ENTRIES = ++PTF (LU05695)	
	PFR BY-PART NOT ABLE TO READ FROM ONE COPY OF ALL PBR2 PARTS	
	PROBLEM DESCRIPTION:	
	Fast Recover for Db2 for z/OS(PFR) may fail when recovering a PBR2 tablespace that was copied for all partitions in a single dataset and PFR tries to recover by-part from that single copy.	
	SYMPTOMS:	
	Only the first partition can be recovered. Message PFR0097I is displayed for other partitions:	
	PFR0097I - SORT-LOG MERGE PROCESSING COMPLETED SUCCESSFULLY	
	NUMBER OF COPIES = 1	
	COPY PAGES READ = 0 PAGES WRITTEN = 0	
	SORTED LOG RECORDS APPLIED DURING MERGE = 0	
	Processing may sometimes result in USER COMPLETION CODE= 0357 0356	
	IMPACT:	
	RECOVER may fail for a PBR2 object.	
	CIRCUMVENTION:	
	Use SORTLOG NO keyword.	
	PRODUCT(S) AFFECTED:	
	Fast Recover for Db2 for z/OS	Version 20.0
	Related Problem:	
	PFR 16608	
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	RO2012-D200	
	DESC(PFR BY-PART NOT ABLE TO READ FROM ONE COPY OF ALL PBR2 PARTS) .	
	++VER (Z038)	
	FMID (CUGRK00)	
	PRE (LU00728 LU02712 LU04435 S014568)	
	SUP (LT02015 LT02048 LT05695 LU02048 S015817 ST15817)	
	MCS	LU05155 STARTS ON PAGE 0003
	MCS	LU05161 STARTS ON PAGE 0003
	MCS	LU05162 STARTS ON PAGE 0005
	MCS	LU05225 STARTS ON PAGE 0007
	MCS	LU05271 STARTS ON PAGE 0009
	MCS	LU05292 STARTS ON PAGE 0011
	MCS	LU05296 STARTS ON PAGE 0011
	MCS	LU05304 STARTS ON PAGE 0012
	MCS	LU05305 STARTS ON PAGE 0013
	MCS	LU05312 STARTS ON PAGE 0014
	MCS	LU05313 STARTS ON PAGE 0016
	MCS	LU05331 STARTS ON PAGE 0016
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	MCS	LU05503	STARTS ON PAGE 0054
	MCS	LU05505	STARTS ON PAGE 0056
	MCS	LU05511	STARTS ON PAGE 0057
	MCS	LU05515	STARTS ON PAGE 0058
	MCS	LU05520	STARTS ON PAGE 0059
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	MCS	LU05534	STARTS ON PAGE 0063
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	MCS	LU05687	STARTS ON PAGE 0079
	MCS	LU05695	STARTS ON PAGE 0082

DB2 Tools 20.0
CA RS 2205 Product/Component Listing

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Product Family	Product	Release
Database	CA BIND ANALYZER FOR DB2 FOR Z/OS	20.00.00
	CA DATABASE ANALYZER FOR DB2 FOR Z/OS	20.00.00
	CA DBM SOLUTIONS FOR DB2 FOR Z/OS BASE INSTALL	20.00.00
	CA DBM SOLUTIONS FOR DB2 FOR Z/OS OBJECT FRAMEWORK SERVICES	20.00.00
	CA DBM SOLUTIONS FOR DB2 FOR Z/OS UI SERVICES	20.00.00
	CA DBM SOLUTIONS FOR DB2 FOR Z/OS UTILITIES COMMON	20.00.00
	CA DBM SOLUTIONS FOR DB2 FOR Z/OS UTILITY GENERAL RECOVERY	20.00.00
	CA DBM SOLUTIONS FOR DB2 FOR Z/OS UTILITY SORT SERVICE	20.00.00
	CA DBM SOLUTIONS FOR DB2 FOR Z/OS XNET COMMUNICATIONS SERVER	20.00.00
	CA DBM SOLUTIONS SNAPSHOT GENERAL SERVICES	20.00.00
	CA DETECTOR FOR DB2 FOR Z/OS	20.00.00
	CA ENDEVOR SOFTWARE CHANGE MANAGER INTERFACE FOR DB2	20.00.00
	CA FAST LOAD FOR DB2 FOR Z/OS	20.00.00
	CA FAST UNLOAD FOR DB2 FOR Z/OS	20.00.00
	CA LOG ANALYZER FOR DB2 FOR Z/OS	20.00.00
	CA PLAN ANALYZER FOR DB2 FOR Z/OS	20.00.00
	CA RAPID REORG FOR DB2 FOR Z/OS	20.00.00
	CA RC/EXTRACT FOR DB2 FOR Z/OS	20.00.00
	CA RC/MIGRATOR FOR DB2 FOR Z/OS	20.00.00
	CA RC/QUERY FOR DB2 FOR Z/OS	20.00.00
	CA RC/SECURE FOR DB2 FOR Z/OS	20.00.00
	CA RC/UPDATE FOR DB2 FOR Z/OS	20.00.00
	CA RECOVERY ANALYZER FOR DB2 FOR Z/OS	20.00.00
	CA REPORT FACILITY FOR TSO	20.00.00
	CA SUBSYSTEM ANALYZER FOR DB2 FOR Z/OS	20.00.00
	CA SYSVIEW PERFORMANCE MANAGEMENT OPTION FOR DB2 FOR Z/OS	20.00.00
	CA COMMON SQL SERVICES FOR DB2 FOR Z/OS	01.00.00
The CA RS 2205 Product/Component Count for this release is 27		

CA RS Level	Service	FMID
CAR2205	LU05695	CUGRK00
	LU05687	CIDBK00
	LU05684	CUGRK00
	LU05681	CPRFK00
	LU05663	CPDAK00
	LU05647	CIDBK00
	LU05606	CIDBK00
	LU05600	CIDBK00
	LU05590	CINSK00
	LU05564	CIDBK00
	LU05555	CRCQK00
	LU05547	CINSK00
	LU05545	CPDTK00
	LU05535	CPUTK00
	LU05534	CPFLK00
	LU05530	CPDTK00
	LU05528	COFSK00
	LU05520	CINSK00
	LU05515	CPSAK00
	LU05511	CINSK00
	LU05505	CRCQK00
	LU05503	CPDTK00
	LU05497	CIDBK00
	LU05496	CPLAK00
	LU05495	CPDAK00
	LU05464	CIDBK00
	LU05461	CPSAK00
	LU05457	CPFLK00
	LU05423	CPUTK00
	LU05422	CUGRK00
	LU05408	CRCQK00
	LU05407	CINSK00
	LU05401	CINSK00
	LU05397	CPFUK00
	LU05396	CINSK00
	LU05387	CUGRK00
	LU05382	CINSK00
	LU05377	CAHOK00
	LU05367	CINSK00
	LU05366	CINSK00
	LU05364	CINSK00
	LU05361	CINSK00
	LU05359	CINSK00
	LU05352	CPLAK00
	LU05350	CUGRK00
	LU05349	CPUTK00
	LU05348	CPFLK00

CA RS Level	Service	FMID
	LU05347	CINSK00
	LU05335	COFSK00
	LU05331	CINSK00
	LU05313	CPPAK00
	LU05312	CINSK00
	LU05305	CPUTK00
	LU05304	CPFUK00
	LU05296	CINSK00
	LU05292	CPUTK00
	LU05271	CIDBK00
	LU05225	CPFLK00
	LU05162	CINSK00
	LU05161	CINSK00
	LU05155	CPLAK00
CAR2204	LU05278	CINSK00
	LU05277	CRCQK00
	LU05276	CINSK00
	LU05265	CPDTK00
	LU05243	CINSK00
	LU05242	CINSK00
	LU05224	CIDBK00
	LU05211	CIDBK00
	LU05210	CUGRK00
	LU05209	CPUTK00
	LU05208	CPRRK00
	LU05207	CPFLK00
	LU05206	CINSK00
	LU05177	CRCUK00
	LU05176	CRCQK00
	LU05175	CINSK00
	LU05169	CPRFK00
	LU05156	CINSK00
	LU05152	CPDTK00
	LU05142	CINSK00
	LU05140	CPRAK00
	LU05127	CPDTK00
	LU05118	CRCUK00
	LU05117	CPUTK00
	LU05116	CPPAK00
	LU05115	CPLAK00
	LU05114	CPFUK00
	LU05113	CPDTK00
	LU05112	CPDAK00
	LU05111	CINSK00
	LU05110	CSQ2100
	LU05109	CINSK00
	LU05103	CIDBK00

CA RS Level	Service	FMID
	LU05102	CPDAK00
	LU05098	CIDBK00
	LU05091	CRCSK00
	LU05090	CRCMK00
	LU05089	CINSK00
	LU05085	CPDAK00
	LU05080	CINSK00
	LU05060	CPDTK00
	LU05059	CINSK00
	LU05058	CIDBK00
	LU05052	CPDTK00
	LU05036	CRCQK00
	LU05035	COFSK00
	LU05032	CIDBK00
	LU05031	CINSK00
	LU05025	CPDTK00
	LU05019	CPLAK00
	LU05006	CIDBK00
	LU04990	CPUTK00
	LU04989	CPDAK00
	LU04988	CINSK00
	LU04982	CPUTK00
	LU04981	CPFUK00
	LU04980	CPFLK00
	LU04966	CUGRK00
	LU04965	CPRRK00
	LU04962	CUGRK00
	LU04961	CUGRK00
	LU04960	CINSK00
	LU04953	CRCSK00
	LU04952	CRCQK00
	LU04951	CRCMK00
	LU04950	CINSK00
	LU04949	CAHOK00
	LU04945	CINSK00
	LU04932	CRCUK00
	LU04931	CRCMK00
	LU04930	CINSK00
	LU04919	CIDBK00
	LU04908	CINSK00
	LU04896	CINSK00
	LU04875	CRCMK00
	LU04874	CINSK00
	LU04813	CINSK00
	LU04797	CPPAK00
	LU04103	CUGRK00
	LU04102	CPLAK00

CA RS Level	Service	FMID
CAR2203	LU04880	CPRAK00
	LU04870	CUGRK00
	LU04869	CPUTK00
	LU04868	CPFUK00
	LU04857	CINSK00
	LU04855	CPXNK00
	LU04842	CPLAK00
	LU04834	CRCQK00
	LU04818	CIDBK00
	LU04803	CIDBK00
	LU04795	CPDTK00
	LU04789	CPFUK00
	LU04788	CPLAK00
	LU04746	CINSK00
	LU04733	CPSAK00
	LU04732	CUGRK00
	LU04675	CPFUK00
	LU04657	CRCQK00
	LU04656	CINSK00
	LU04654	CINSK00
	LU04653	CPSAK00
	LU04637	CPRRK00
	LU04636	CUGRK00
	LU04621	CINSK00
	LU04619	CUGRK00
	LU04618	CPUTK00
	LU04616	CPFLK00
	LU04586	CPDTK00
	LU04573	CINSK00
	LU04566	CIDBK00
	LU04562	CPLAK00
	LU04561	CSQ2100
	LU04530	CRCQK00
	LU04529	CINSK00
	LU04498	CIDBK00
	LU04493	CINSK00
	LU04490	CPDTK00
	LU04489	CRCMK00
	LU04488	CINSK00
	LU04486	CPPAK00
	LU04485	CPBAK00
	LU04484	CINSK00
	LU04483	CINSK00
	LU04464	CRCMK00
	LU04463	CINSK00
	LU04459	CINSK00
	LU04458	CINSK00

CA RS Level	Service	FMID
	LU04452	CINSK00
	LU04444	COFSK00
	LU04370	CUGRK00
	LU04369	CINSK00
CAR2202	LU04462	CSQ2100
	LU04443	CINSK00
	LU04436	CUTSK00
	LU04435	CUGRK00
	LU04434	CTGRK00
	LU04433	CRCXK00
	LU04432	CRCUK00
	LU04431	CRCSK00
	LU04430	CRCQK00
	LU04429	CRCMK00
	LU04428	CPXNK00
	LU04427	CPUTK00
	LU04426	CPSAK00
	LU04425	CPRRK00
	LU04422	CPRFK00
	LU04421	CPRAK00
	LU04420	CPPAK00
	LU04419	CPLAK00
	LU04418	CPFUK00
	LU04417	CPFLK00
	LU04416	CPDTK00
	LU04415	CPDAK00
	LU04414	CPBAK00
	LU04413	COFSK00
	LU04412	CINSK00
	LU04411	CIDBK00
	LU04409	CAHOK00
	LU04405	CINSK00
	LU04400	CINSK00
	LU04399	CINSK00
	LU04376	CINSK00
	LU04374	CIDBK00
	LU04371	CIDBK00
	LU04358	CTGRK00
	LU04357	CPSAK00
	LU04356	CPDTK00
	LU04355	CINSK00
	LU04354	CIDBK00
	LU04339	CPDTK00
	LU04287	CIDBK00
	LU04282	CIDBK00
	LU04264	CINSK00
	LU04263	CPDTK00

CA RS Level	Service	FMID
	LU04262	CINSK00
	LU04244	CRCQK00
	LU04243	CINSK00
	LU04232	CPSAK00
	LU04231	CPDTK00
	LU04230	CINSK00
	LU04229	CIDBK00
	LU04222	CIDBK00
	LU04221	CPDAK00
	LU04220	CINSK00
	LU04217	CIDBK00
	LU04202	COFSK00
	LU04167	CINSK00
	LU04161	CPUTK00
	LU04160	CPFUK00
	LU04159	CPFLK00
	LU04151	CRCXK00
	LU04150	CRCUK00
	LU04149	CINSK00
	LU04146	CINSK00
	LU04136	CINSK00
	LU04123	CPUTK00
	LU04122	CPDAK00
	LU04121	CINSK00
	LU04100	CIDBK00
	LU04097	CIDBK00
	LU04085	COFSK00
	LU04084	CINSK00
	LU04082	CINSK00
	LU04006	CINSK00
	LU04004	CPLAK00
	LU03822	CPPAK00
	LU02151	CINSK00
CAR2201	LU04094	CINSK00
	LU04027	CIDBK00
	LU04026	CIDBK00
	LU04015	CPDTK00
	LU03998	CPDTK00
	LU03997	CINSK00
	LU03961	CINSK00
	LU03955	CINSK00
	LU03954	CIDBK00
	LU03953	CINSK00
	LU03952	CINSK00
	LU03935	CRCQK00
	LU03929	CIDBK00
	LU03926	CRCXK00

CA RS Level	Service	FMID
	LU03925	CPLAK00
	LU03924	COFSK00
	LU03923	CINSK00
	LU03918	CPSAK00
	LU03917	CPDTK00
	LU03907	CINSK00
	LU03879	CINSK00
	LU03878	CINSK00
	LU03869	CINSK00
	LU03859	CUGRK00
	LU03856	CINSK00
	LU03847	CPUTK00
	LU03846	CPFLK00
	LU03838	CINSK00
	LU03827	CPFUK00
	LU03814	CPDAK00
	LU03813	CINSK00
	LU03809	CPDTK00
	LU03808	CINSK00
	LU03789	CINSK00
	LU03788	CINSK00
	LU03762	CPDAK00
	LU03761	CINSK00
	LU03760	CSQ2100
	LU03759	CUGRK00
	LU03749	CPLAK00
	LU03742	CPFLK00
	LU03735	CUGRK00
	LU03734	CPUTK00
	LU03733	CPRRK00
	LU03732	CPFUK00
	LU03731	CPLAK00
	LU03712	CINSK00
	LU03710	CPDTK00
	LU03709	CINSK00
	LU03706	CPRAK00
	LU03703	CINSK00
	LU03691	CINSK00
	LU03686	CPUTK00
	LU03685	CPRRK00
	LU03684	CPFLK00
	LU03664	CRCXK00
	LU03663	CRCUK00
	LU03662	CRCQK00
	LU03661	CRCMK00
	LU03660	CPLAK00
	LU03659	COFSK00

CA RS Level	Service	FMID
	LU03657	CINSK00
	LU03499	CINSK00
CAR2112	LU03680	CPDAK00
	LU03673	CIDBK00
	LU03667	CRCUK00
	LU03666	CINSK00
	LU03629	CINSK00
	LU03601	CPSAK00
	LU03580	CUGRK00
	LU03579	CPUTK00
	LU03578	CPFUK00
	LU03577	CPFLK00
	LU03520	CINSK00
	LU03519	CPUTK00
	LU03500	CPLAK00
	LU03492	CPLAK00
	LU03463	CINSK00
	LU03461	CPDTK00
	LU03455	CIDBK00
	LU03453	CIDBK00
	LU03443	CUGRK00
	LU03437	CRCUK00
	LU03435	CIDBK00
	LU03417	CINSK00
	LU03406	CPDTK00
	LU03401	CPUTK00
	LU03400	CPRRK00
	LU03399	CPFLK00
	LU03391	CINSK00
	LU03386	CPDTK00
	LU03384	CPFUK00
	LU03367	CINSK00
	LU03353	CPFUK00
	LU03348	CIDBK00
	LU03344	CUGRK00
	LU03338	CPPAK00
	LU03337	CINSK00
	LU03326	CUGRK00
	LU03324	CUGRK00
	LU03323	CPUTK00
	LU03318	CRCXK00
	LU03317	CRCQK00
	LU03316	CPLAK00
	LU03315	COFSK00
	LU03314	CINSK00
	LU03309	CINSK00
	LU03308	CRCQK00

CA RS Level	Service	FMID
	LU03291	CINSK00
	LU03286	CIDBK00
	LU03282	CPLAK00
	LU03265	CPFUK00
	LU03252	CIDBK00
	LU02861	CINSK00
CAR2111	LU03261	CPDTK00
	LU03259	CINSK00
	LU03256	CIDBK00
	LU03250	CPLAK00
	LU03235	CUGRK00
	LU03234	CPUTK00
	LU03233	CPRRK00
	LU03232	CPFUK00
	LU03231	CPFLK00
	LU03228	CPLAK00
	LU03221	CINSK00
	LU03220	CRCQK00
	LU03214	CUGRK00
	LU03213	CPUTK00
	LU03212	CPRRK00
	LU03211	CPFUK00
	LU03210	CPFLK00
	LU03209	CINSK00
	LU03195	CIDBK00
	LU03192	CPUTK00
	LU03191	CPFLK00
	LU03190	CINSK00
	LU03187	CPUTK00
	LU03186	CUGRK00
	LU03162	CIDBK00
	LU03152	CPDAK00
	LU03146	CIDBK00
	LU03142	CINSK00
	LU03116	CPSAK00
	LU03101	CPBAK00
	LU03093	CPDTK00
	LU03091	CIDBK00
	LU03073	CUGRK00
	LU03035	CPDAK00
	LU03034	CPRRK00
	LU03033	CPUTK00
	LU03032	CPFUK00
	LU03023	CIDBK00
	LU03018	CPDTK00
	LU02985	CIDBK00
	LU02979	CPLAK00

CA RS Level	Service	FMID
	LU02945	CINSK00
	LU02886	CIDBK00
	LU02816	CPLAK00
	LU02728	CPUTK00
	LU02727	CPFUK00
	LU02726	CINSK00
	LU02712	CUGRK00
CAR2110	S014389	CIDBK00
	LU02944	CPDTK00
	LU02894	CRCQK00
	LU02866	COFSK00
	LU02841	CIDBK00
	LU02829	CIDBK00
	LU02813	CINSK00
	LU02808	CINSK00
	LU02800	CIDBK00
	LU02796	CPDTK00
	LU02785	CPDAK00
	LU02767	CPLAK00
	LU02762	CUGRK00
	LU02708	CIDBK00
	LU02706	CPDTK00
	LU02665	CRCQK00
	LU02661	CINSK00
	LU02646	CIDBK00
	LU02642	CIDBK00
	LU02641	CPFLK00
	LU02634	CIDBK00
	LU02633	COFSK00
	LU02614	CINSK00
	LU02609	CINSK00
	LU02597	CRCQK00
	LU02577	CPBAK00
	LU02516	CIDBK00
	LU02489	CINSK00
	LU02472	CINSK00
	LU02471	CINSK00
	LU02280	COFSK00
	LU02279	CINSK00
CAR2109	LU02564	CRCQK00
	LU02554	CPDTK00
	LU02529	CUGRK00
	LU02524	CPDTK00
	LU02493	CPPAK00
	LU02492	CINSK00
	LU02485	CPFLK00
	LU02470	CPFUK00

CA RS Level	Service	FMID
	LU02456	CPDAK00
	LU02455	CINSK00
	LU02440	CPFUK00
	LU02439	CIDBK00
	LU02437	COFSK00
	LU02436	CPPAK00
	LU02428	CIDBK00
	LU02420	CINSK00
	LU02387	COFSK00
	LU02385	CUGRK00
	LU02383	CINSK00
	LU02381	CPLAK00
	LU02363	CINSK00
	LU02345	CINSK00
	LU02340	CIDBK00
	LU02335	CPFUK00
	LU02325	CIDBK00
	LU02307	CUGRK00
	LU02303	CIDBK00
	LU02290	CPDTK00
	LU02286	CPDTK00
	LU02271	CPDTK00
	LU02258	CPFLK00
	LU02243	CPFLK00
	LU02242	CINSK00
	LU02231	CPUTK00
	LU02230	CPLAK00
	LU02229	CINSK00
	LU02212	CINSK00
	LU02166	CINSK00
	LU02119	CTGRK00
	LU02118	CIDBK00
	LU02116	CINSK00
	LU02095	CPDAK00
CAR2108	LU02220	CPDTK00
	LU02213	CPLAK00
	LU02211	CRCUK00
	LU02197	CINSK00
	LU02164	CINSK00
	LU02143	CUTSK00
	LU02142	CIDBK00
	LU02133	CPSAK00
	LU02132	CPDTK00
	LU02131	CINSK00
	LU02124	CINSK00
	LU02117	CINSK00
	LU02108	CPDTK00

CA RS Level	Service	FMID
	LU02096	CIDBK00
	LU02093	CIDBK00
	LU02062	CPLAK00
	LU02061	CINSK00
	LU02053	CINSK00
	LU02048	CUGRK00
	LU02033	CIDBK00
	LU02031	CIDBK00
	LU02030	CRCQK00
	LU02029	CINSK00
	LU02008	CPFLK00
	LU02007	CPUTK00
	LU02006	CPFUK00
	LU02005	CINSK00
	LU01999	CINSK00
	LU01998	CUGRK00
	LU01997	CTGRK00
	LU01996	CRCXK00
	LU01995	CRCUK00
	LU01994	CRC SK00
	LU01993	CRCQK00
	LU01992	CPXNK00
	LU01991	CPUTK00
	LU01990	CPSAK00
	LU01989	CPRRK00
	LU01988	CPRFK00
	LU01987	CPRAK00
	LU01986	CPPAK00
	LU01985	CPLAK00
	LU01984	CPFUK00
	LU01983	CPFLK00
	LU01982	CPDTK00
	LU01981	CPDAK00
	LU01980	CPBAK00
	LU01979	COFSK00
	LU01978	CINSK00
	LU01977	CIDBK00
	LU01975	CAHOK00
	LU01958	CINSK00
	LU01950	CPLAK00
	LU01949	CINSK00
	LU01944	CRCXK00
	LU01939	CPFUK00
	LU01937	COFSK00
	LU01936	CUGRK00
	LU01934	CINSK00
	LU01933	CPDTK00

CA RS Level	Service	FMID
	LU01930	CPUTK00
	LU01927	CINSK00
	LU01922	CINSK00
	LU01845	CIDBK00
	LU01832	COFSK00
	LU01784	CINSK00
	LU01290	CINSK00
CAR2107	LU01893	CUGRK00
	LU01892	CPPAK00
	LU01891	CINSK00
	LU01869	CPLAK00
	LU01860	CPDAK00
	LU01841	CPDTK00
	LU01837	CINSK00
	LU01829	CIDBK00
	LU01799	CPDTK00
	LU01760	CINSK00
	LU01757	CINSK00
	LU01750	CIDBK00
	LU01732	CPSAK00
	LU01727	CPFUK00
	LU01720	CPFLK00
	LU01717	CUGRK00
	LU01706	CRCQK00
	LU01705	CINSK00
	LU01696	CINSK00
	LU01695	CPRAK00
	LU01694	CINSK00
	LU01683	CINSK00
	LU01673	CINSK00
	LU01666	CIDBK00
	LU01648	CINSK00
	LU01626	CPDAK00
	LU01625	CINSK00
	LU01610	CINSK00
	LU01581	CIDBK00
	LU01575	CINSK00
	LU01556	CIDBK00
	LU01551	CPPAK00
	LU01550	CINSK00
	LU01543	CPSAK00
	LU01542	CPDTK00
	LU01541	CIDBK00
	LU01538	CPLAK00
	LU01534	CUGRK00
	LU01526	CINSK00
	LU01525	CIDBK00

CA RS Level	Service	FMID
	LU01513	CIDBK00
	LU01508	CINSK00
	LU01405	CINSK00
	LU01362	CINSK00
	LU01357	CINSK00
CAR2106	LU01494	CINSK00
	LU01467	CPDTK00
	LU01432	CSQ2100
	LU01415	CPLAK00
	LU01410	CRCQK00
	LU01396	CPDTK00
	LU01393	CPDTK00
	LU01385	CPLAK00
	LU01384	CINSK00
	LU01380	CPUTK00
	LU01379	CPFLK00
	LU01378	CINSK00
	LU01376	CINSK00
	LU01367	CINSK00
	LU01352	CPUTK00
	LU01351	CPRRK00
	LU01350	CPFUK00
	LU01349	CPFLK00
	LU01338	CPDAK00
	LU01330	CRCQK00
	LU01321	CPRFK00
	LU01311	CPFUK00
	LU01293	CIDBK00
	LU01292	CUGRK00
	LU01291	CPUTK00
	LU01286	CINSK00
	LU01275	CINSK00
	LU01265	CINSK00
	LU01222	COFSK00
	LU01215	CPDTK00
	LU01208	CRCQK00
	LU01182	CUGRK00
	LU01181	CPRAK00
	LU01180	CPLAK00
	LU01179	COFSK00
	LU01178	CINSK00
	LU01175	CIDBK00
	LU01166	CIDBK00
	LU01165	CPFUK00
	LU01164	CIDBK00
	LU01151	CINSK00
	LU01135	CUGRK00

CA RS Level	Service	FMID
	LU01127	CUGRK00
	LU01122	COFSK00
	LU01121	CINSK00
	LU01118	CINSK00
	LU01107	COFSK00
	LU01106	CINSK00
	LU01102	CPRFK00
	LU01089	CPDAK00
	LU01043	CPLAK00
	LU00983	CPFLK00
CAR2105	LU01126	CPDAK00
	LU01100	CIDBK00
	LU01068	CPPAK00
	LU01056	CINSK00
	LU01053	COFSK00
	LU01042	CIDBK00
	LU01041	CIDBK00
	LU01040	CPLAK00
	LU01039	CINSK00
	LU01035	CIDBK00
	LU01030	CIDBK00
	LU01002	CPDTK00
	LU00989	CINSK00
	LU00982	CIDBK00
	LU00973	CUGRK00
	LU00968	CINSK00
	LU00964	CIDBK00
	LU00940	CPLAK00
	LU00938	CPDTK00
	LU00937	CINSK00
	LU00925	CINSK00
	LU00923	CPUTK00
	LU00921	CINSK00
	LU00914	CINSK00
	LU00903	CPLAK00
	LU00891	CPDAK00
	LU00890	CINSK00
	LU00887	CPUTK00
	LU00886	CPFUK00
	LU00882	CPLAK00
	LU00881	CIDBK00
	LU00863	CPFUK00
	LU00859	CPSAK00
	LU00858	CPDTK00
	LU00847	CINSK00
	LU00839	CINSK00
	LU00795	CUGRK00

CA RS Level	Service	FMID
	LU00794	CINSK00
	LU00769	CRCXK00
	LU00768	CPDTK00
	LU00759	CPLAK00
	LU00698	CINSK00
	LU00697	CIDBK00
	LU00678	CINSK00
	LU00592	CINSK00
	LU00581	CPRFK00
CAR2104	LU00728	CUGRK00
	LU00727	CPUTK00
	LU00726	CPRRK00
	LU00725	CPLAK00
	LU00724	CPFLK00
	LU00723	CINSK00
	LU00689	CUGRK00
	LU00684	CPDTK00
	LU00672	CPLAK00
	LU00659	CSQ2100
	LU00646	CPPAK00
	LU00645	CPBAK00
	LU00644	COFSK00
	LU00643	CINSK00
	LU00639	CINSK00
	LU00635	CPDAK00
	LU00613	CINSK00
	LU00597	CPLAK00
	LU00576	CPSAK00
	LU00568	CINSK00
	LU00565	CSQ2100
	LU00549	CPDTK00
	LU00545	CIDBK00
	LU00532	CRCQK00
	LU00531	COFSK00
	LU00530	CINSK00
	LU00524	CPDTK00
	LU00523	CINSK00
	LU00511	CRCUK00
	LU00510	CINSK00
	LU00509	CINSK00
	LU00508	CINSK00
	LU00500	CPSAK00
	LU00480	CPLAK00
	LU00475	CPDAK00
	LU00452	CPRRK00
	LU00450	CRCXK00
	LU00449	CRCUK00

CA RS Level	Service	FMID
	LU00448	CRCMK00
	LU00447	CPFUK00
	LU00446	CINSK00
	LU00440	CPPAK00
	LU00439	CPBAK00
	LU00438	CINSK00
	LU00437	CPUTK00
	LU00436	CPFLK00
	LU00435	CINSK00
	LU00434	CIDBK00
	LU00433	CRCUK00
	LU00432	CINSK00
	LU00427	CIDBK00
	LU00426	CINSK00
	LU00413	CRCQK00
	LU00412	CINSK00
	LU00411	CRCXK00
	LU00402	CPDTK00
	LU00400	CPRFK00
	LU00399	CINSK00
	LU00381	CPDAK00
	LU00368	CINSK00
	LU00359	CINSK00
	LU00342	CRCXK00
	LU00341	CRCUK00
	LU00340	CRCSK00
	LU00339	CRCQK00
	LU00338	CRCMK00
	LU00337	CPUTK00
	LU00336	CPRAK00
	LU00335	CPLAK00
	LU00334	CPDTK00
	LU00333	CPDAK00
	LU00332	CINSK00
	LU00331	CIDBK00
	LU00330	CAHOK00
	LU00314	CPDAK00
	LU00304	CPUTK00
	LU00303	CPRRK00
	LU00302	CPFUK00
	LU00301	CPFLK00
	LU00299	CIDBK00
	LU00283	CINSK00
	LU00277	CINSK00
	LU00275	CUGRK00
	LU00177	CPUTK00
CAR2103	SO16295	CIDBK00

CA RS Level	Service	FMID
	S015817	CUGRK00
	S014357	CIDBK00
	S013729	CRCQK00
	LU00356	CPLAK00
	LU00329	CPDTK00
	LU00282	CIDBK00
	LU00281	CPFUK00
	LU00257	CPDAK00
	LU00256	CPDAK00
	LU00254	CINSK00
	LU00253	CIDBK00
	LU00250	CPRFK00
	LU00248	CPUTK00
	LU00247	CPFLK00
	LU00246	CIDBK00
	LU00242	CINSK00
	LU00240	CPDTK00
	LU00238	CPLAK00
	LU00237	CINSK00
	LU00227	CINSK00
	LU00217	CPFUK00
	LU00216	CINSK00
	LU00207	CPRFK00
	LU00194	CPUTK00
	LU00178	CPFLK00
	LU00176	CPDTK00
	LU00165	CPLAK00
	LU00162	CINSK00
	LU00159	CIDBK00
	LU00152	CUGRK00
	LU00147	CRCQK00
	LU00146	CPDAK00
	LU00145	CINSK00
	LU00141	CUGRK00
	LU00140	CPUTK00
	LU00139	CPRRK00
	LU00138	CPLAK00
	LU00137	CPFUK00
	LU00136	CPFLK00
	LU00135	CINSK00
	LU00134	CIDBK00
	LU00133	CPUTK00
	LU00132	CPLAK00
	LU00131	CINSK00
	LU00127	CINSK00
	LU00124	CPDTK00
	LU00123	CINSK00

CA RS Level	Service	FMID
CAR2102	S016300	CIDBK00
	S016280	CIDBK00
	S016270	CIDBK00
	S016266	CPFUK00
	S016262	CPFUK00
	S016258	CPRFK00
	S016246	CPFLK00
	S016217	CPUTK00
	S016206	CPDAK00
	S016205	CINSK00
	S016200	CIDBK00
	S016195	CPFUK00
	S016194	CINSK00
	S016183	CINSK00
	S016181	CUGRK00
	S016176	CINSK00
	S016175	CPSAK00
	S016174	CPDTK00
	S016173	CINSK00
	S016165	CPRFK00
	S016160	CPRRK00
	S016149	CPRFK00
	S016133	COFSK00
	S016132	CINSK00
	S016116	CIDBK00
	S016113	CPDTK00
	S016107	CIDBK00
	S016090	CPUTK00
	S016089	CPFLK00
	S016088	CINSK00
	S016075	CPLAK00
	S016071	CRCQK00
	S016067	CINSK00
	S016057	CIDBK00
	S016053	CINSK00
	S016046	CIDBK00
	S016045	CINSK00
	S015980	CINSK00
	S015952	CIDBK00
	S015864	CINSK00
CAR2101	S016040	CINSK00
	S016032	CINSK00
	S016031	CINSK00
	S016024	CINSK00
	S016001	CINSK00
	S015998	CINSK00
	S015939	CPUTK00

CA RS Level	Service	FMID
	S015938	CPFLK00
	S015937	CINSK00
	S015935	CPSAK00
	S015931	CIDBK00
	S015927	CPDTK00
	S015913	CIDBK00
	S015908	CINSK00
	S015895	CPLAK00
	S015868	CINSK00
	S015867	CINSK00
	S015863	CINSK00
	S015843	CPDTK00
	S015816	CRCQK00
	S015807	CRCXK00
	S015806	CRCUK00
	S015805	CPFUK00
	S015804	CINSK00
	S015789	CINSK00
	S015775	CPRFK00
	S015774	CPRFK00
	S015770	CINSK00
	S015761	CIDBK00
	S015760	CINSK00
	S015711	CUGRK00
	S015710	CPUTK00
	S015709	CINSK00
CAR2012	S015771	CPFLK00
	S015767	CPFUK00
	S015740	CPUTK00
	S015739	CPRRK00
	S015738	CPFLK00
	S015723	CPDTK00
	S015697	CRCQK00
	S015691	CPPAK00
	S015690	CINSK00
	S015652	CPUTK00
	S015650	COFSK00
	S015647	CIDBK00
	S015613	CINSK00
	S015609	CUGRK00
	S015585	CPRRK00
	S015573	CPDTK00
	S015541	CPUTK00
	S015531	CPLAK00
	S015506	CINSK00
	S015499	CPDTK00
	S015487	CUGRK00

CA RS Level	Service	FMID
	S015486	CPUTK00
	S015485	CPRRK00
	S015484	CPFLK00
	S015483	CPDAK00
	S015482	CINSK00
	S015480	CUTSK00
	S015457	CPUTK00
	S015456	CPLAK00
	S015455	CINSK00
	S015450	CRCQK00
	S015449	CINSK00
	S015444	CINSK00
	S015440	COFSK00
	S015395	CPDTK00
	S015394	CINSK00
	S015193	CINSK00
CAR2011	S015314	CPUTK00
	S015313	CPRRK00
	S015312	CPFLK00
	S015311	CINSK00
	S015308	CUGRK00
	S015271	CPUTK00
	S015255	CPRFK00
	S015254	CIDBK00
	S015238	CPUTK00
	S015237	CPRRK00
	S015236	CPFUK00
	S015235	CPFLK00
	S015225	COFSK00
	S015220	CPLAK00
	S015215	CINSK00
	S015205	CINSK00
	S015199	CPDTK00
	S015191	CRCMK00
	S015184	CSQ2100
	S015174	CPUTK00
	S015132	CINSK00
	S015130	CPDAK00
	S015129	CINSK00
	S015124	CPRRK00
	S015122	CINSK00
	S015094	CPSAK00
	S015086	CPFUK00
	S015075	CINSK00
	S015074	CPUTK00
	S015073	CPDTK00
	S015072	CINSK00

CA RS Level	Service	FMID
	S015070	CIDBK00
	S015064	CPLAK00
	S015062	COFSK00
	S015061	CINSK00
	S015049	CIDBK00
	S015045	CINSK00
	S015031	CINSK00
	S015015	CPFLK00
	S015004	CINSK00
CAR2010	S014984	CPFUK00
	S014949	CPLAK00
	S014923	CIDBK00
	S014902	CPPAK00
	S014901	CINSK00
	S014899	CINSK00
	S014883	CIDBK00
	S014876	CINSK00
	S014874	CINSK00
	S014866	CPLAK00
	S014865	CINSK00
	S014864	CIDBK00
	S014863	CUGRK00
	S014861	CPSAK00
	S014860	CPDTK00
	S014859	CINSK00
	S014853	CIDBK00
	S014843	CIDBK00
	S014842	CPRFK00
	S014836	CPBAK00
	S014835	CINSK00
	S014833	CRCUK00
	S014832	CINSK00
	S014827	CINSK00
	S014782	CPDTK00
	S014773	CPUTK00
	S014772	CPFLK00
	S014771	CINSK00
	S014756	CINSK00
	S014754	CIDBK00
	S014732	CPDAK00
	S014731	CINSK00
	S014721	CINSK00
	S014716	CINSK00
	S014694	CPFLK00
	S014681	CPSAK00
	S014680	CPDTK00
	S014675	CPRFK00

CA RS Level	Service	FMID
	S014655	COFSK00
	S014642	CIDBK00
CAR2009	S014641	CUGRK00
	S014640	CPRRK00
	S014639	CINSK00
	S014634	CINSK00
	S014624	CIDBK00
	S014623	CINSK00
	S014615	CINSK00
	S014613	CPLAK00
	S014583	CINSK00
	S014570	COFSK00
	S014568	CUGRK00
	S014567	CPUTK00
	S014566	CINSK00
	S014565	CPDAK00
	S014531	CIDBK00
	S014502	CPUTK00
	S014501	CPFUK00
	S014500	CINSK00
	S014491	CINSK00
	S014483	CUGRK00
	S014452	CPLAK00
	S014433	CPFLK00
	S014428	CPUTK00
	S014427	CPFLK00
	S014426	CRCQK00
	S014404	CPRFK00
	S014401	CINSK00
	S014400	CPPAK00
	S014397	CPDTK00
	S014383	CPUTK00
	S014382	CPFUK00
	S014381	CINSK00
	S014338	CPDTK00
	S014335	CRCQK00
	S014310	CUTSK00
	S014307	CRCQK00
	S014299	CPDTK00
	S014298	CINSK00
	S014295	CINSK00
	S014282	CINSK00
	S014277	CPUTK00
	S014276	CPRRK00
	S014275	CINSK00
	S014267	CPDTK00
	S014254	CIDBK00

CA RS Level	Service	FMID
	S014228	CIDBK00
	S014175	CPDAK00
	S014174	CINSK00
	S014126	COFSK00
	S014125	CINSK00
	S014028	CPFUK00
	S014027	CINSK00
	S013888	CINSK00
CAR2008	S014252	CPFLK00
	S014235	CPDTK00
	S014173	CINSK00
	S014168	CINSK00
	S014164	CIDBK00
	S014142	CPLAK00
	S014137	CPLAK00
	S014101	CRCQK00
	S014099	CIDBK00
	S014093	CIDBK00
	S014054	CPUTK00
	S014053	CPFUK00
	S014052	CINSK00
	S014036	CUGRK00
	S014035	CPUTK00
	S014034	CPRRK00
	S014033	CPLAK00
	S014032	CPFUK00
	S014031	CPFLK00
	S014030	CPDAK00
	S014029	CINSK00
	S014025	CPFLK00
	S014016	CIDBK00
	S013990	COFSK00
	S013988	CPPAK00
	S013987	CPDTK00
	S013986	CPDAK00
	S013985	CINSK00
	S013982	CSQ2100
	S013974	CINSK00
	S013973	CINSK00
	S013961	CPUTK00
	S013960	CPFUK00
	S013930	CINSK00
	S013909	CPXNK00
	S013908	CINSK00
	S013891	CIDBK00
	S013889	CPDTK00
	S013887	CPDTK00

CA RS Level	Service	FMID
	S013881	CUGRK00
	S013880	CPUTK00
	S013879	CPLAK00
	S013878	CINSK00
	S013842	CRCXK00
	S013839	CINSK00
	S013827	CINSK00
	S013825	CIDBK00
	S013814	CINSK00
	S013807	CINSK00
	S013794	CINSK00
	S013781	COFSK00
	S013768	CUGRK00
	S013767	CPUTK00
	S013766	CPFUK00
	S013765	CPFLK00
	S013764	CINSK00
	S013758	COFSK00
	S013726	CINSK00
	S013711	CINSK00
	S013709	CPUTK00
	S013708	CPRRK00
	S013707	CPFUK00
	S013706	CPFLK00
	S013574	CINSK00
CAR2007	S013761	CPDTK00
	S013730	CPRFK00
	S013718	CPLAK00
	S013717	CINSK00
	S013686	CUGRK00
	S013685	CPUTK00
	S013684	CPFUK00
	S013683	CPDAK00
	S013682	CINSK00
	S013676	CINSK00
	S013668	CRCQK00
	S013655	CPDTK00
	S013635	CPRRK00
	S013633	CPPAK00
	S013627	CUGRK00
	S013626	CPUTK00
	S013625	CPLAK00
	S013624	CINSK00
	S013616	CPDTK00
	S013596	CPUTK00
	S013586	CUGRK00
	S013584	CPDAK00

CA RS Level	Service	FMID
	S013557	CIDBK00
	S013539	CINSK00
	S013515	CIDBK00
	S013509	CINSK00
	S013508	CIDBK00
	S013484	CINSK00
	S013456	CRCXK00
	S013453	CINSK00
	S013450	CPDTK00
	S013437	CPFUK00
	S013421	CPSAK00
	S013417	CINSK00
	S013341	CINSK00
	S013340	CINSK00
	S013273	CINSK00
	S012794	CINSK00
CAR2006	S013352	CINSK00
	S013339	CPRRK00
	S013329	CPSAK00
	S013320	CINSK00
	S013319	CPFUK00
	S013316	CPUTK00
	S013308	CINSK00
	S013307	CAHOK00
	S013306	CRCUK00
	S013234	CPLAK00
	S013230	CINSK00
	S013229	CINSK00
	S013224	CPLAK00
	S013213	CINSK00
	S013206	CUGRK00
	S013205	CPUTK00
	S013204	CPRRK00
	S013203	CPFLK00
	S013193	CINSK00
	S013176	CPRRK00
	S013175	CPFLK00
	S013154	CINSK00
	S013153	CPUTK00
	S013152	CPRRK00
	S013151	CPFUK00
	S013150	CPFLK00
	S013149	CINSK00
	S013130	CUGRK00
	S013112	CRCUK00
	S013111	CINSK00
	S013098	CPUTK00

CA RS Level	Service	FMID
	S013097	CPFLK00
	S013096	CINSK00
	S013091	CPDTK00
	S013083	CRCQK00
	S013080	CINSK00
	S013075	CINSK00
	S013074	CPDTK00
	S013071	CINSK00
	S013066	CPFLK00
	S013044	CINSK00
	S013032	CIDBK00
	S013024	CUGRK00
	S013009	CPLAK00
	S013005	CIDBK00
	S012999	CINSK00
	S012994	CINSK00
	S012984	CPFLK00
	S012958	CTGRK00
	S012921	CPDTK00
	S012853	CUGRK00
	S012852	CPSAK00
	S012851	CINSK00
CAR2005	S012966	CPSAK00
	S012943	CPPAK00
	S012942	CINSK00
	S012937	CRCXK00
	S012936	CRCUK00
	S012935	CPLAK00
	S012934	CPFUK00
	S012933	CINSK00
	S012927	CPUTK00
	S012926	CPSAK00
	S012925	CPDTK00
	S012924	CINSK00
	S012904	CINSK00
	S012902	CUGRK00
	S012901	CPUTK00
	S012900	CPLAK00
	S012899	CINSK00
	S012896	CIDBK00
	S012889	CPLAK00
	S012829	CINSK00
	S012821	CPDTK00
	S012819	CINSK00
	S012817	CINSK00
	S012812	CINSK00
	S012808	CPDTK00

CA RS Level	Service	FMID
	S012797	CPLAK00
	S012792	CINSK00
	S012783	CRCQK00
	S012769	CIDBK00
	S012764	CINSK00
	S012763	CPLAK00
	S012754	CPSAK00
	S012751	CINSK00
	S012730	CPUTK00
	S012717	CPUTK00
	S012716	CPRRK00
	S012715	CINSK00
	S012706	CIDBK00
	S012657	CRCUK00
	S012656	CPUTK00
	S012655	CPPAK00
	S012654	CPLAK00
	S012653	CPFUK00
	S012652	CPDTK00
	S012651	CPDAK00
	S012650	CINSK00
	S012624	CPDAK00
	S012586	CUGRK00
	S012585	CPFLK00
	S012553	CRCCK00
	S012547	CINSK00
	S012539	CPSAK00
	S012538	CPDTK00
	S012537	CINSK00
	S012536	CIDBK00
	S012530	CUGRK00
	S012529	CPUTK00
	S012528	CPRRK00
	S012527	CPFUK00
	S012526	CPFLK00
	S012525	CINSK00
	S012524	CINSK00
	S012501	CSQ2100
	S012487	CPLAK00
	S012483	CIDBK00
	S012429	CPDTK00
	S012428	CIDBK00
	S012412	COFSK00
	S012368	CPPAK00
	S012367	CINSK00
	S012366	CRCXK00
	S012365	CRCUK00

CA RS Level	Service	FMID
	S012364	CPLAK00
	S012363	CPFUK00
	S012362	COFSK00
	S012361	CINSK00
	S012304	CRCUK00
CAR2004	S012426	CPDTK00
	S012400	CRCXK00
	S012397	CIDBK00
	S012396	CINSK00
	S012352	CUGRK00
	S012323	CINSK00
	S012279	CUGRK00
	S012278	CPUTK00
	S012277	CPRRK00
	S012276	CPFUK00
	S012275	CPFLK00
	S012274	CINSK00
	S012268	CINSK00
	S012267	CPPAK00
	S012249	CINSK00
	S012235	CUGRK00
	S012234	CUGRK00
	S012229	CRCQK00
	S012228	CINSK00
	S012219	CINSK00
	S012197	CPFUK00
	S012196	CIDBK00
	S012174	CPUTK00
	S012173	CPLAK00
	S012164	CINSK00
	S012159	CINSK00
	S012155	CUGRK00
	S012154	CTGRK00
	S012153	CPUTK00
	S012152	CPRRK00
	S012151	CPFUK00
	S012150	CPFLK00
	S012149	CINSK00
	S012147	CINSK00
	S012131	CPDTK00
	S012128	CPFLK00
	S012115	CINSK00
	S012078	CIDBK00
	S012076	CINSK00
	S012068	CPPAK00
	S012067	CINSK00
	S011977	CIDBK00

CA RS Level	Service	FMID
CAR2003	S012133	CIDBK00
	S012132	CINSK00
	S012110	CUGRK00
	S012109	CPRRK00
	S012108	CPFUK00
	S012107	CPFLK00
	S012106	CINSK00
	S012042	CINSK00
	S012031	CINSK00
	S012018	CUGRK00
	S012012	CRCQK00
	S012011	CINSK00
	S012000	CUGRK00
	S011999	CPUTK00
	S011998	CPRRK00
	S011997	CPFUK00
	S011996	CPFLK00
	S011995	CINSK00
	S011993	CPFUK00
	S011988	CINSK00
	S011983	CPDTK00
	S011981	CPUTK00
	S011976	CRCQK00
	S011971	CRCXK00
	S011970	CRCUK00
	S011969	CPLAK00
	S011968	CPFUK00
	S011967	COFSK00
	S011966	CINSK00
	S011957	CINSK00
	S011947	CPUTK00
	S011946	CPFLK00
	S011945	CINSK00
	S011942	CINSK00
	S011931	CPDAK00
	S011930	CUGRK00
	S011929	CUGRK00
	S011921	COFSK00
	S011868	CRCXK00
	S011867	CRCUK00
	S011866	CINSK00
	S011863	CINSK00
	S011862	CPUTK00
	S011861	CPRRK00
	S011849	CPUTK00
	S011848	CPUTK00
	S011847	CPRRK00

CA RS Level	Service	FMID
	S011846	CPFLK00
	S011843	CPSAK00
	S011806	CINSK00
	S011782	CPLAK00
	S011773	CUGRK00
	S011768	CPPAK00
	S011767	CPBAK00
	S011766	CINSK00
	S011737	CINSK00
	S011717	CPDTK00
	S011686	CUGRK00
	S011685	CPUTK00
	S011684	CINSK00
	S011675	CIDBK00
CAR2002	S011810	CPPAK00
	S011809	CPLAK00
	S011808	CPBAK00
	S011807	CINSK00
	S011780	CIDBK00
	S011731	CPRFK00
	S011701	CPDAK00
	S011700	CINSK00
	S011696	CINSK00
	S011695	CPSAK00
	S011694	CPDTK00
	S011693	CIDBK00
	S011691	CINSK00
	S011679	CINSK00
	S011674	CINSK00
	S011669	CPLAK00
	S011646	CUGRK00
	S011645	CPRRK00
	S011644	CPFUK00
	S011643	CPFLK00
	S011625	CPSAK00
	S011624	CPDTK00
	S011623	CINSK00
	S011616	CIDBK00
	S011608	CPXNK00
	S011606	CPDTK00
	S011605	CUGRK00
	S011604	CPUTK00
	S011603	CPRRK00
	S011602	CPFUK00
	S011601	CPFLK00
	S011583	CPLAK00
	S011576	CINSK00

CA RS Level	Service	FMID
	S011567	CPPAK00
	S011566	CINSK00
	S011547	CINSK00
	S011534	CINSK00
	S011521	CPUTK00
	S011520	CPFLK00
	S011499	CPDTK00
	S011476	CPFUK00
	S011475	CINSK00
	S011468	CINSK00
	S011465	CIDBK00
	S011452	CIDBK00
	S011433	CPUTK00
	S011432	CPRRK00
	S011431	CPFLK00
	S011430	CINSK00
	S011419	CPLAK00
	S011382	CUGRK00
	S011373	CINSK00
	S011333	CINSK00
	S011325	CPFLK00
	S011296	CPRFK00
	S011231	CINSK00
	S011086	CUGRK00
CAR2001	S011345	CPSAK00
	S011323	CUGRK00
	S011317	CINSK00
	S011263	CPDTK00
	S011261	CINSK00
	S011255	CINSK00
	S011239	CUGRK00
	S011238	CPUTK00
	S011237	CPRRK00
	S011236	CPFUK00
	S011235	CPFLK00
	S011234	CINSK00
	S011222	CPRRK00
	S011221	CINSK00
	S011201	CINSK00
	S011200	CPRRK00
	S011197	CRCQK00
	S011196	CINSK00
	S011180	COFSK00
	S011169	CUGRK00
	S011168	CPUTK00
	S011133	CRCQK00
	S011131	CPPAK00

CA RS Level	Service	FMID
	S011130	CPBAK00
	S011129	CINSK00
	S011114	CPUTK00
	S011113	CPLAK00
	S011112	CINSK00
	S011110	CPUTK00
	S011109	CPRRK00
	S011108	CPFUK00
	S011107	CPFLK00
	S011105	CRCUK00
	S011085	CPUTK00
	S011084	CINSK00
	S011083	CUGRK00
	S011080	CPRRK00
	S011079	CRCXK00
	S011078	CINSK00
	S011052	CPFUK00
	S011048	CINSK00
	S011017	CPDAK00
	S011013	CPFUK00
	S011009	CUTSK00
	S010978	CINSK00
	S010975	CRCUK00
	S010974	CINSK00
	S010955	CPSAK00
	S010908	CPDTK00
	S010907	CINSK00
	S010906	CIDBK00
	S010867	CPSAK00
	S010835	CINSK00
	S010817	CPRAK00
	S010739	CIDBK00
	S010662	CINSK00
	S010278	CPPAK00
	S010277	CPBAK00
CAR1912	S011039	CPRRK00
	S010948	CINSK00
	S010921	CPDTK00
	S010920	CINSK00
	S010872	CINSK00
	S010871	CINSK00
	S010827	CINSK00
	S010819	CUGRK00
	S010818	CUGRK00
	S010815	CINSK00
	S010789	CAHOK00
	S010788	CINSK00

CA RS Level	Service	FMID
	S010763	CINSK00
	S010760	CINSK00
	S010752	CPFLK00
	S010750	CINSK00
	S010716	CIDBK00
	S010714	CPPAK00
	S010713	CPBAK00
	S010712	CINSK00
	S010703	CINSK00
	S010679	CPRRK00
	S010678	CPUTK00
	S010677	CPLAK00
	S010676	CINSK00
	S010661	CRCQK00
	S010652	CPDTK00
	S010641	CPLAK00
	S010639	CINSK00
	S010631	CINSK00
	S010626	CPFUK00
	S010625	CPRRK00
	S010608	CPUTK00
	S010549	CINSK00
	S010512	CINSK00
	S010495	CPUTK00
	S010417	CINSK00
	S010405	CIDBK00
	S010401	CUGRK00
	S010165	CUGRK00
	S009802	CINSK00
CAR1911	S010553	CUGRK00
	S010538	CPDTK00
	S010532	CRCQK00
	S010521	CPDTK00
	S010514	CINSK00
	S010505	CPRRK00
	S010492	CPDTK00
	S010474	CPUTK00
	S010470	CUTSK00
	S010469	CINSK00
	S010468	CRCQK00
	S010442	CPFUK00
	S010437	CINSK00
	S010430	CRCQK00
	S010390	CPLAK00
	S010389	CINSK00
	S010365	CPRFK00
	S010347	CPRFK00

CA RS Level	Service	FMID
	S010331	CINSK00
	S010323	CINSK00
	S010321	CRCQK00
	S010306	CUGRK00
	S010292	CINSK00
	S010288	CPRFK00
	S010281	CINSK00
	S010268	CRCQK00
	S010250	COFSK00
	S010248	CIDBK00
	S010243	CINSK00
	S010236	CUTSK00
	S010201	CUGRK00
	S010200	CINSK00
	S010175	CPFUK00
	S010174	CINSK00
	S010173	CINSK00
	S010071	CTGRK00
	S010059	CTGRK00
	S010007	CPRRK00
	S010000	CPPAK00
	S009999	CINSK00
	S009978	CPUTK00
	S009977	CPFLK00
	S009976	CINSK00
	S009945	CINSK00
	S009911	CUGRK00
	S009797	CINSK00
CAR1910	S010196	CPUTK00
	S010195	CPFLK00
	S010194	CINSK00
	S010163	CRCQK00
	S010162	CINSK00
	S010160	CIDBK00
	S010129	CAHOK00
	S010107	CPFUK00
	S010080	CINSK00
	S010069	CINSK00
	S010066	CINSK00
	S010061	CINSK00
	S010046	CINSK00
	S010044	CUGRK00
	S010043	CPFUK00
	S010042	CPDAK00
	S010041	CINSK00
	S010038	CPUTK00
	S010029	COFSK00

CA RS Level	Service	FMID
	S010028	CINSK00
	S010023	CPFUK00
	S010021	CINSK00
	S010018	CPDTK00
	S010004	CINSK00
	S010001	CUGRK00
	S009974	CUGRK00
	S009973	CPUTK00
	S009954	CPRRK00
	S009929	CINSK00
	S009905	CPRRK00
	S009903	CUGRK00
	S009902	CPUTK00
	S009901	CPRRK00
	S009900	CPFLK00
	S009893	CINSK00
	S009892	CINSK00
	S009877	CINSK00
	S009867	CUGRK00
	S009866	CRCSK00
	S009865	CRCQK00
	S009864	CPRFK00
	S009863	CPRAK00
	S009862	CPPAK00
	S009861	CPDAK00
	S009860	CINSK00
	S009859	CIDBK00
	S009858	CAHOK00
	S009857	CINSK00
	S009854	CPUTK00
	S009852	CRCQK00
	S009851	CINSK00
	S009839	CINSK00
	S009818	CINSK00
	S009811	CPDTK00
	S009799	CINSK00
	S009787	CPPAK00
	S009786	CPBAK00
	S009785	CINSK00
	S009766	CUGRK00
	S009765	CPUTK00
	S009764	CPFUK00
	S009763	CPDAK00
	S009762	COFSK00
	S009761	CINSK00
CAR1909	S009828	CPDTK00
	S009796	CINSK00

CA RS Level	Service	FMID
	S009790	CINSK00
	S009759	CRCQK00
	S009748	CUGRK00
	S009743	CIDBK00
	S009742	CUGRK00
	S009714	CPRAK00
	S009708	CIDBK00
	S009693	CINSK00
	S009675	CPFUK00
	S009672	CPUTK00
	S009671	CPRRK00
	S009662	CPRFK00
	S009652	CPDAK00
	S009647	COFSK00
	S009602	CINSK00
	S009601	CPDTK00
	S009599	CPRRK00
	S009595	CUGRK00
	S009590	CUTSK00
	S009569	CPUTK00
	S009564	CINSK00
	S009556	CIDBK00
	S009546	CINSK00
	S009519	CIDBK00
	S009432	CPSAK00
	S009426	CINSK00
	S009423	CTGRK00
	S009417	CINSK00
	S009403	CRCCK00
	S009378	CPFLK00
	S009333	CPLAK00
	S009300	CPDAK00
	S009205	CINSK00
	S008837	CPRRK00
CAR1908	S009461	CINSK00
	S009373	CIDBK00
	S009356	CINSK00
	S009337	CPFUK00
	S009267	CPSAK00
	S009261	CINSK00
	S009253	CPUTK00
	S009252	CPLAK00
	S009239	CPDTK00
	S009232	CINSK00
	S009228	CIDBK00
	S009188	CUGRK00
	S009187	CTGRK00

CA RS Level	Service	FMID
	S009186	CPUTK00
	S009185	CPRFK00
	S009184	COFSK00
	S009183	CINSK00
	S009180	CPFLK00
	S009177	CIDBK00
	S009166	CRCUK00
	S009147	CUGRK00
	S009146	CINSK00
	S009135	CPUTK00
	S009133	CPLAK00
	S009132	CUGRK00
	S009130	CINSK00
	S009129	CRCQK00
	S009128	COFSK00
	S009126	CINSK00
	S009125	CINSK00
	S009110	CRCXK00
	S009109	CRCUK00
	S009108	CPLAK00
	S009107	CPFUK00
	S009106	COFSK00
	S009105	CINSK00
	S009089	CPRRK00
	S009088	CPDAK00
	S009083	CPLAK00
	S009068	CIDBK00
	S009065	CPDTK00
	S009055	CIDBK00
	S009054	CIDBK00
	S009044	CPDTK00
	S008969	CPRFK00
	S008963	CINSK00
	S008766	CINSK00
	S008755	CINSK00
	S008732	CPUTK00
	S008540	CINSK00
CAR1907	S009033	CINSK00
	S009028	CUGRK00
	S009027	CPUTK00
	S009026	CPRRK00
	S009025	CPFUK00
	S009024	CPFLK00
	S009023	CPDAK00
	S009022	CINSK00
	S008957	CINSK00
	S008922	CPRAK00

CA RS Level	Service	FMID
	S008899	CUTSK00
	S008879	CPUTK00
	S008878	CRCQK00
	S008871	CPUTK00
	S008870	CPLAK00
	S008869	CINSK00
	S008861	CPUTK00
	S008860	CPFUK00
	S008859	CINSK00
	S008858	COFSK00
	S008856	CINSK00
	S008847	CINSK00
	S008846	CIDBK00
	S008843	CUGRK00
	S008841	CUGRK00
	S008833	CUGRK00
	S008832	CINSK00
	S008825	CINSK00
	S008804	CINSK00
	S008803	CPUTK00
	S008802	CPLAK00
	S008799	CSQ2100
	S008789	CPDTK00
	S008782	CPUTK00
	S008762	CTGRK00
	S008750	CINSK00
	S008728	CIDBK00
	S008684	CINSK00
	S008668	CUGRK00
	S008667	CPUTK00
	S008663	COFSK00
	S008662	CINSK00
	S008654	CINSK00
	S008644	CINSK00
	S008606	CINSK00
	S008586	CPUTK00
	S008585	CPFUK00
	S008584	CPFLK00
	S008581	CPPAK00
	S008580	CPBAK00
	S008579	COFSK00
	S008578	CINSK00
	S008577	CIDBK00
	S008576	CSQ2100
	S008467	CINSK00
	S008414	CINSK00
	S008352	CPFUK00

CA RS Level	Service	FMID
CAR1906	S008608	CRCQK00
	S008466	CUGRK00
	S008455	CPDTK00
	S008451	CPPAK00
	S008450	CPBAK00
	S008446	CPDTK00
	S008435	COFSK00
	S008434	CINSK00
	S008429	CPUTK00
	S008428	CPFLK00
	S008427	COFSK00
	S008407	CPFLK00
	S008406	CINSK00
	S008403	COFSK00
	S008393	CPSAK00
	S008380	CPUTK00
	S008379	CPRRK00
	S008378	CPFLK00
	S008377	CINSK00
	S008330	CINSK00
	S008323	CPDTK00
	S008313	CINSK00
	S008302	CIDBK00
	S008296	CINSK00
	S008291	CINSK00
	S008280	CUGRK00
	S008279	CIDBK00
	S008278	CINSK00
	S008262	CINSK00
	S008244	CPDTK00
	S008240	CINSK00
	S008232	CRCQK00
	S008216	CINSK00
	S008202	CINSK00
	S008198	CINSK00
	S008190	CPSAK00
	S008128	CINSK00
	S008074	CRCMK00
CAR1905	S008204	CPDTK00
	S008193	CUGRK00
	S008137	CUGRK00
	S008136	CINSK00
	S008129	CPDTK00
	S008123	CPSAK00
	S008112	CPFUK00
	S008109	COFSK00
	S008101	COFSK00

CA RS Level	Service	FMID
	S008083	CPRFK00
	S008072	CPUTK00
	S008071	CPFLK00
	S008068	CPFUK00
	S008051	CINSK00
	S008025	CPRFK00
	S008016	CINSK00
	S008012	CPRAK00
	S008008	CPLAK00
	S007988	CPDTK00
	S007986	CPUTK00
	S007974	CPRFK00
	S007955	CINSK00
	S007954	CRCQK00
	S007940	CINSK00
	S007927	CUTSK00
	S007924	CPFLK00
	S007916	CUGRK00
	S007915	CINSK00
	S007906	CPRAK00
	S007905	CUGRK00
	S007904	CAHOK00
	S007894	CPUTK00
	S007893	CPRRK00
	S007884	CTGRK00
	S007856	CINSK00
CAR1904	S007826	CUGRK00
	S007825	CTGRK00
	S007824	CRCUK00
	S007823	CRCSK00
	S007822	CRCQK00
	S007821	CRCMK00
	S007820	CPUTK00
	S007819	CPSAK00
	S007818	CPRRK00
	S007815	CPRFK00
	S007814	CPPAK00
	S007813	CPLAK00
	S007812	CPFUK00
	S007811	CPFLK00
	S007810	CPDTK00
	S007809	CPDAK00
	S007808	COFSK00
	S007807	CINSK00
	S007806	CIDBK00
	S007804	CAHOK00
	S007774	CINSK00

CA RS Level	Service	FMID
	S007711	CPUTK00
	S007560	CINSK00
	S007552	CINSK00
	S007173	CUGRK00
	S007172	CPUTK00
	S007171	CPFUK00
	S007170	CPFLK00
	S007169	CINSK00
CAR1903	S007412	CINSK00
	S007384	CRCXK00
	S007383	CRCUK00
	S007382	CPLAK00
	S007381	CPFUK00
	S007380	COFSK00
	S007379	CINSK00
	S007369	CRCUK00
	S007323	CINSK00
	S007204	CPSAK00
CAR1902	S007167	CINSK00
	S006978	CINSK00
	S006977	CIDBK00
	S006879	CUGRK00
	S006878	CRCXK00
	S006877	CRCUK00
	S006876	CRCSK00
	S006875	CRCQK00
	S006874	CPUTK00
	S006873	CPSAK00
	S006870	CPRFK00
	S006869	CPPAK00
	S006868	CPLAK00
	S006867	CPFUK00
	S006866	CPFLK00
	S006865	CPDTK00
	S006864	COFSK00
	S006863	CINSK00
	S006862	CIDBK00
	S006838	CPDTK00
CAR1901	S006718	CPLAK00
	S006638	CINSK00
	S006619	CPUTK00
	S006611	CUTSK00
	S006610	CPUTK00
	S006609	CPRRK00
	S006608	CINSK00
	S006582	CPRRK00
	S006497	CINSK00

CA RS Level	Service	FMID
	S006485	CSQ2100
CAR1812	S006494	CSQ2100
	S006443	CPRFK00
	S006335	CPSAK00
	S006334	CPDTK00
	S006333	CIDBK00
	S006286	CINSK00
	S006275	CRCQK00
	S006237	CPDTK00
	S006132	CUGRK00
	S006131	CRCXK00
	S006130	CRCUK00
	S006129	CRCSK00
	S006128	CRCQK00
	S006127	CPUTK00
	S006126	CPSAK00
	S006125	CPRRK00
	S006122	CPRFK00
	S006121	CPRAK00
	S006120	CPPAK00
	S006119	CPLAK00
	S006118	CPFUK00
	S006117	CPFLK00
	S006116	CPDTK00
	S006115	CPDAK00
	S006114	COFSK00
	S006113	CINSK00
	S006112	CIDBK00
CAR1811	S006069	CUGRK00
	S006068	CPUTK00
	S006067	CINSK00
	S006064	CPUTK00
	S006007	CINSK00
	S005873	CINSK00
	S005700	CPUTK00
CAR1810	S005503	CPFUK00
	S005502	CPFLK00
	S005337	CUGRK00
	S005308	CSQ2100
	S005280	CINSK00
	S005266	CINSK00
	S005199	CINSK00
CAR1809	S005237	CINSK00
	S005102	CPUTK00
	S005101	CPFUK00
	S005081	CPFLK00
	S005070	CINSK00

CA RS Level	Service	FMID
	S005018	CUGRK00
	S005017	CTGRK00
	S005016	CPUTK00
	S005015	CPRRK00
	S005014	CPLAK00
	S005013	CPFUK00
	S005012	CPFLK00
	S005011	CINSK00
	S005010	CIDBK00
	S004949	CPUTK00
	S004948	CPDAK00
	S004947	CINSK00
	S004857	CPFLK00
	S004856	CRCMK00
	S004855	CINSK00
	S004799	CUGRK00
	S004798	CPUTK00
	S004797	CPRRK00
	S004796	CPRAK00
	S004795	CPLAK00
	S004794	CINSK00
	S004757	CPDTK00
	S004756	CINSK00
CAR1808	S004720	CRCUK00
	S004719	CRCMK00
	S004718	CINSK00
	S004475	CUGRK00
	S004474	CTGRK00
	S004473	CRCXK00
	S004472	CRCUK00
	S004471	CRCQK00
	S004470	CRCMK00
	S004469	CPUTK00
	S004468	CPSAK00
	S004467	CPRRK00
	S004464	CPRFK00
	S004463	CPRAK00
	S004462	CPPAK00
	S004461	CPLAK00
	S004460	CPFUK00
	S004459	CPFLK00
	S004458	CPDTK00
	S004457	CPDAK00
	S004456	COFSK00
	S004455	CINSK00
	S004454	CIDBK00
	S004437	CRCQK00

CA RS Level	Service	FMID
CAR1807	S004275	CPFLK00
	S004251	CUGRK00
	S004250	CINSK00
	S004249	CUGRK00
	S004248	CPUTK00
	S004247	CPRRK00
	S004246	CPRAK00
	S004245	CPLAK00
	S004244	CINSK00
	S004155	CSQ2100
	S004129	CINSK00
	S004048	CUGRK00
	S004010	CPDAK00
	S003992	CPUTK00
	S003965	CINSK00
CAR1806	S003960	CPDTK00
	S003959	CINSK00
	S003942	CPDTK00
	S003861	CPFLK00
	S003860	CINSK00
	S003844	CPUTK00
	S003843	CINSK00
	S003816	CUGRK00
	S003815	CPUTK00
	S003814	CINSK00
	S003677	CUGRK00
	S003676	CTGRK00
	S003587	CINSK00
	S001905	CINSK00
	S001896	CINSK00
CAR1805	S001855	CUGRK00
	S001819	CUGRK00
	S001818	CPFUK00
	S001670	CRCSK00
	S001641	CPLAK00
	S001712	CUGRK00
	S001711	CPUTK00
	S001668	CUGRK00
	S001667	CPLAK00
	S001666	COFSK00
	S001665	CINSK00
	S001664	CIDBK00
	S001660	CUGRK00
	S001659	CPUTK00
	S001658	CPRRK00
	S001657	CPFUK00
	S001656	CPFLK00

CA RS Level	Service	FMID
	S001655	CINSK00
	S001635	CPSAK00
	S001418	CUGRK00
	S001417	CTGRK00
	S001416	CRCXK00
	S001415	CRCUK00
	S001414	CRCQK00
	S001413	CRCMK00
	S001412	CPXNK00
	S001411	CPUTK00
	S001410	CPSAK00
	S001409	CPRRK00
	S001406	CPRFK00
	S001405	CPRAK00
	S001404	CPPAK00
	S001403	CPLAK00
	S001402	CPFUK00
	S001401	CPFLK00
	S001400	CPDTK00
	S001399	CPDAK00
	S001398	CPBAK00
	S001397	COFSK00
	S001396	CINSK00
	S001395	CIDBK00
CAR1804	S000978	CINSK00
	S000977	CSQ2100
	S000975	CPLAK00
	S000894	CUGRK00
	S000893	CPUTK00
	S000871	CPSAK00
	S000849	CSQ2100
	S000848	CUTSK00
	S000847	CPUTK00
	S000846	CPRRK00
	S000845	CINSK00
	S000788	CUGRK00
	S000787	CPUTK00
	S000786	CPRRK00
	S000785	CINSK00
	S000704	CPFLK00
	S000631	CSQ2100
	S000081	CPFLK00
CAR1803	S000616	CRCUK00
	S000423	CPDTK00
	S000343	CINSK00
	S000295	CPFUK00
	S000263	CPDTK00

CA RS Level	Service	FMID
CAR1802	S000201	CUGRK00
	S000077	CIDBK00
	S000029	CUGRK00
	S000028	CTGRK00
	S000027	CRCXK00
	S000026	CRCUK00
	S000025	CRCQK00
	S000024	CPUTK00
	S000023	CPRRK00
	S000022	CPRAK00
	S000021	CPPAK00
	S000020	CPLAK00
	S000019	CPFUK00
	S000018	CPFLK00
	S000017	CPDAK00
	S000016	CINSK00
	S000015	CIDBK00
	R099980	CPDTK00
	R099979	CINSK00
	R099968	CSQ2100
	R099946	CPDTK00
	R099899	CSQ2100
CAR1801	R099853	CRCXK00
	R099748	CINSK00
	R099574	CUGRK00
	R099573	CTGRK00
	R099572	CRCXK00
	R099571	CRCUK00
	R099570	CRCXK00
	R099569	CRCQK00
	R099568	CRCMK00
	R099567	CPXNK00
	R099566	CPUTK00
	R099565	CPSAK00
	R099562	CPRFK00
	R099561	CPRAK00
	R099560	CPPAK00
	R099559	CPLAK00
	R099558	CPFUK00
	R099557	CPFLK00
	R099556	CPDTK00
	R099555	CPDAK00
	R099554	COFSK00
	R099553	CINSK00
	R099552	CIDBK00
CAR1712	R099195	CPRFK00
	R098970	CUTSK00

CA RS Level	Service	FMID
	R098969	CPUTK00
	R098968	CPRRK00
	R098967	CINSK00
	R098859	CINSK00
	R098853	CPDTK00
	R098430	CPSAK00
	R098429	CPDTK00
	R098428	CIDBK00
CAR1711	R098496	CPRFK00
	R098251	CPSAK00
	R098088	CPDTK00
	R098087	CINSK00
CAR1710	R098041	CSQ2100
	R097923	CPDTK00
	R097922	CINSK00
	R097825	CPSAK00
	R097824	CPDTK00
	R097823	CINSK00
	R097722	CUGRK00
	R097721	CRCUK00
	R097720	CRCCK00
	R097719	CRCQK00
	R097718	CRCMK00
	R097717	CPUTK00
	R097716	CPSAK00
	R097715	CPRRK00
	R097712	CPRFK00
	R097711	CPRAK00
	R097710	CPPAK00
	R097709	CPLAK00
	R097708	CPFLK00
	R097707	CPDTK00
	R097706	CPDAK00
	R097705	COFSK00
	R097704	CINSK00
	R097703	CIDBK00
CAR1709	R097683	CIDBK00
	R097376	CSQ2100
CAR1708	R097169	CSQ2100
	R097090	CSQ2100
	R096595	CUGRK00
	R096594	CRCUK00
	R096593	CRCQK00
	R096592	CRCMK00
	R096591	CPXNK00
	R096590	CPUTK00
	R096589	CPSAK00

CA RS Level	Service	FMID
	R096588	CPRRK00
	R096585	CPRFK00
	R096584	CPPAK00
	R096583	CPLAK00
	R096582	CPFUK00
	R096581	CPFLK00
	R096580	CPDTK00
	R096579	CPDAK00
	R096578	CPBAK00
	R096577	COFSK00
	R096576	CINSK00
	R096575	CIDBK00
CAR1707	R096495	CSQ2100
	R096401	CUTSK00
CAR1706	R096169	CPSAK00
	R096168	CPDTK00
	R096167	CINSK00
	R096162	CPDAK00
	R096102	CSQ2100
	R096005	CUTSK00
	R096002	CUGRK00
	R095972	CUTSK00
	R095918	CUTSK00