

Service	Description	Type
LU06280	DUPLICIT ACTIVITY REPORTED IN CONSEQUENT STRATEGY RUNS	PTF
LU06364	PBR OUTPUT-CONTROL ALL SORT-CLINDX SYSREC MULTITASKING	PTF
LU06365	PBR OUTPUT-CONTROL ALL SORT-CLINDX SYSREC MULTITASKING	PTF
LU06366	PBR OUTPUT-CONTROL ALL SORT-CLINDX SYSREC MULTITASKING	PTF
LU06394	SOCB OR SOC3 ABEND DURING PROCESSING OF NON-UNIQUE INDEX	PTF
LU06397	S878 WITH IC / U444 / SQL WITH LOWERCASE /PFU0390E FOR SP	PTF
LU06398	LOG READER CAN FAIL TO FIND SOME RBA IN DB2 LOG	PTF
LU06399	LOG READER CAN FAIL TO FIND SOME RBA IN DB2 LOG	PTF
LU06400	LOG READER CAN FAIL TO FIND SOME RBA IN DB2 LOG	PTF
LU06401	LOG READER CAN FAIL TO FIND SOME RBA IN DB2 LOG	PTF
LU06412	RCQ MULTIPLE ISSUES	PTF
LU06413	RCQ MULTIPLE ISSUES	PTF
LU06414	RCQ MULTIPLE ISSUES	PTF
LU06418	LOB DATA UNLOADED WITHOUT PROPER PADDING	PTF
LU06423	RECOVERY OF COMPRESSED INDEX MAKES THE INDEX UNUSABLE	PTF
LU06430	RCO0013E ISSUED WHEN ANALYZING COMPARE WHERE TARGET REMOTE	PTF
LU06432	PRA#LOAD JOB SIMPLIFICATION USING TEMPLATE FOR PRA#COPY STEP	PTF
LU06433	INCORRECT GENERATION OF REDO/UNDO DDL ACTIVITY REPORT	PTF
LU06459	SECURITY OR INTEGRITY PROBLEM	** PRP **
LU06460	SECURITY OR INTEGRITY PROBLEM	PTF
LU06505	BATCH UNLOAD/REPORT SHORT DYNAMIC SQL TEXT LENGTH	PTF
LU06508	ISSUE MESSAGE WHEN PROCESSING EXTERNAL STORED PROCEDURE	PTF
LU06511	UNDERREPORTED DATA COLLECTOR ZIIP CPU TIMES IN DCCPU OUTPUT	PTF
LU06515	PFR0184E ERROR DURING ACCUMULATE OF PBR2 TABLESPACES	PTF
LU06524	SECURITY OR INTEGRITY PROBLEM	** PRP **
LU06525	SECURITY OR INTEGRITY PROBLEM	** PRP **
LU06526	SECURITY OR INTEGRITY PROBLEM	** PRP **
LU06541	RECOVERY ESTIMATOR MISSING SQL ERROR MESSAGES WITH EST2021E	PTF
LU06546	INCREMENTAL IMAGE COPY SUPPORT IN PUR FROM THE SOURCE AFTER	PTF
LU06547	USE READ-ONLY ACCESS TO HSTSQLDB IN IDB2UIFI UNLOAD	PTF
LU06553	ACCOUNTING RECORD FILTERING IN HISTORY FILE LOAD	PTF
LU06568	UPDATE PRA PANELS FOR VERSION STRING	PTF
LU06569	UPDATE PRA PANELS FOR VERSION STRING	PTF
LU06570	UPDATE PRA PANELS FOR VERSION STRING	PTF
LU06576	ADD IMPLICIT DATABASE SUPPORT FOR RCM, RCC, AND RCU	PTF
LU06577	ADD IMPLICIT DATABASE SUPPORT FOR RCM, RCC, AND RCU	PTF
LU06584	ABEND SOC4-011 IN RALRTOS IF OBJECT SELECTION PROFILES USED	PTF
LU06590	INCORRECT LOB DEFAULT VALUES / SOC9 IN UTL\$MGT WITH DISCARDS	PTF
LU06591	INCORRECT LOB DEFAULT VALUES / SOC9 IN UTL\$MGT WITH DISCARDS	PTF
LU06596	PDT0736 DETECTOR DEFERRED CLEANUP AND ECSA SHORTAGE	*HIP/PRP*
LU06601	ALTER TABLESPACE DDL IN WRONG ORDER IF TS CONVERTED TO UTS	PTF
LU06606	XMANAGERS CANNOT BE STARTED MESSAGE PXM1021 "NOT ALLOCATED"	*HIP/PRP*
LU06611	SUPPORT FOR NEW DB2 12 AND 13 FIELDS IN IFCIDS 1 AND 1001	PTF
LU06625	EXCESSIVE PXM0203 MESSAGES	** PRP **
LU06629	GENERATE SET CURRENT RULES AND SUPPRESS AUXILIARY OBJECT DDL	PTF
LU06630	GENERATE SET CURRENT RULES AND SUPPRESS AUXILIARY OBJECT DDL	PTF
LU06631	GENERATE SET CURRENT RULES AND SUPPRESS AUXILIARY OBJECT DDL	PTF

DB2 Tools 20.0
CA RS 2208 Service List

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Service	Description	Type
LU06632	GENERATE SET CURRENT RULES AND SUPPRESS AUXILIARY OBJECT DDL	PTF
LU06635	CREATE INDEX DDL NOT GENERATED WHEN ADDING A NEW AUX INDEX	PTF
LU06661	DISPLAY NEW PRODUCT VERSION STRING	PTF
LU06662	SOC1-01 IN UTLFUSFP+8B78 WITH ZIIP, SQL ACCESS, AND LIMIT	PTF
LU06680	THE DSSIZE 4G IS MISSING FROM CREATE TABLESPACE DDL.	PTF
LU06683	UPDATE COMPANY NAME IN PRODUCT PANELS	PTF
LU06684	UPDATE COMPANY NAME IN PRODUCT PANELS	PTF
LU06694	UPDATE COMPANY NAME IN PRODUCT PANELS	PTF
LU06699	SOC4-04 IN UTLFULOB+298 AFTER APPLYING LU06418	** PRP **
LU06707	UPDATE PRF VERSION STRING	PTF
LU06755	UPDATE COMPANY NAME IN PRODUCT PANELS	PTF
LU06761	UPDATE COMPANY NAME IN PRODUCT PANELS	PTF
The CA RS 2208 service count for this release is 59		

DB2 Tools
CA RS 2208 Service List for CIDBK00

FMID	Service	Description	Type
CIDBK00	LU06511	UNDERREPORTED DATA COLLECTOR ZIIP CPU TIMES IN DCCPU OUTPUT	PTF
	LU06547	USE READ-ONLY ACCESS TO HSTSQLDB IN IDB2UIFI UNLOAD	PTF
	LU06553	ACCOUNTING RECORD FILTERING IN HISTORY FILE LOAD	PTF
	LU06611	SUPPORT FOR NEW DB2 12 AND 13 FIELDS IN IFCIDS 1 AND 1001	PTF
The CA RS 2208 service count for this FMID is 4			

DB2 Tools
CA RS 2208 Service List for CINSK00

4

FMID	Service	Description	Type
CINSK00	LU06364	PBR OUTPUT-CONTROL ALL SORT-CLINDX SYSREC MULTITASKING	PTF
	LU06398	LOG READER CAN FAIL TO FIND SOME RBA IN DB2 LOG	PTF
	LU06412	RCQ MULTIPLE ISSUES	PTF
	LU06430	RCO0013E ISSUED WHEN ANALYZING COMPARE WHERE TARGET REMOTE	PTF
	LU06459	SECURITY OR INTEGRITY PROBLEM	** PRP **
	LU06508	ISSUE MESSAGE WHEN PROCESSING EXTERNAL STORED PROCEDURE	PTF
	LU06541	RECOVERY ESTIMATOR MISSING SQL ERROR MESSAGES WITH EST2021E	PTF
	LU06568	UPDATE PRA PANELS FOR VERSION STRING	PTF
	LU06576	ADD IMPLICIT DATABASE SUPPORT FOR RCM, RCC, AND RCU	PTF
	LU06601	ALTER TABLESPACE DDL IN WRONG ORDER IF TS CONVERTED TO UTS	PTF
	LU06606	XMANAGERS CANNOT BE STARTED MESSAGE PXM1021 "NOT ALLOCATED"	*HIP/PRP*
	LU06625	EXCESSIVE PXM0203 MESSAGES	** PRP **
	LU06629	GENERATE SET CURRENT RULES AND SUPPRESS AUXILIARY OBJECT DDL	PTF
	LU06635	CREATE INDEX DDL NOT GENERATED WHEN ADDING A NEW AUX INDEX	PTF
	LU06680	THE DSSIZE 4G IS MISSING FROM CREATE TABLESPACE DDL.	PTF
	LU06755	UPDATE COMPANY NAME IN PRODUCT PANELS	PTF
The CA RS 2208 service count for this FMID is 16			

DB2 Tools
CA RS 2208 Service List for COFSK00

FMID	Service	Description	Type
COFSK00	LU06630	GENERATE SET CURRENT RULES AND SUPPRESS AUXILIARY OBJECT DDL	PTF
The CA RS 2208 service count for this FMID is 1			

DB2 Tools
CA RS 2208 Service List for CPDAK00

FMID	Service	Description	Type
CPDAK00	LU06394	SOCB OR SOC3 ABEND DURING PROCESSING OF NON-UNIQUE INDEX	PTF
	LU06584	ABEND SOC4-011 IN RALRTOS IF OBJECT SELECTION PROFILES USED	PTF
	LU06761	UPDATE COMPANY NAME IN PRODUCT PANELS	PTF
The CA RS 2208 service count for this FMID is 3			

DB2 Tools
CA RS 2208 Service List for CPDTK00

FMID	Service	Description	Type
CPDTK00	LU06460	SECURITY OR INTEGRITY PROBLEM	PTF
	LU06505	BATCH UNLOAD/REPORT SHORT DYNAMIC SQL TEXT LENGTH	PTF
	LU06596	PDT0736 DETECTOR DEFERRED CLEANUP AND ECSA SHORTAGE	*HIP/PRP*
	LU06694	UPDATE COMPANY NAME IN PRODUCT PANELS	PTF
The CA RS 2208 service count for this FMID is 4			

DB2 Tools
CA RS 2208 Service List for CPFLK00

FMID	Service	Description	Type
CPFLK00	LU06365	PBR OUTPUT-CONTROL ALL SORT-CLINDX SYSREC MULTITASKING	PTF
	LU06590	INCORRECT LOB DEFAULT VALUES / SOC9 IN UTL\$MGT WITH DISCARDS	PTF
The CA RS 2208 service count for this FMID is 2			

DB2 Tools
CA RS 2208 Service List for CPFUK00

FMID	Service	Description	Type
CPFUK00	LU06397	S878 WITH IC / U444 / SQL WITH LOWERCASE /PFU0390E FOR SP	PTF
	LU06418	LOB DATA UNLOADED WITHOUT PROPER PADDING	PTF
	LU06662	S0C1-01 IN UTLFUSFP+8B78 WITH ZIIP, SQL ACCESS, AND LIMIT	PTF
	LU06699	S0C4-04 IN UTLFULOB+298 AFTER APPLYING LU06418	** PRP **
The CA RS 2208 service count for this FMID is 4			

DB2 Tools
CA RS 2208 Service List for CPLAK00

FMID	Service	Description	Type
CPLAK00	LU06280	DUPLICIT ACTIVITY REPORTED IN CONSEQUENT STRATEGY RUNS	PTF
	LU06399	LOG READER CAN FAIL TO FIND SOME RBA IN DB2 LOG	PTF
	LU06433	INCORRECT GENERATION OF REDO/UNDO DDL ACTIVITY REPORT	PTF
	LU06524	SECURITY OR INTEGRITY PROBLEM	** PRP **
	LU06546	INCREMENTAL IMAGE COPY SUPPORT IN PUR FROM THE SOURCE AFTER	PTF
	LU06631	GENERATE SET CURRENT RULES AND SUPPRESS AUXILIARY OBJECT DDL	PTF
	LU06661	DISPLAY NEW PRODUCT VERSION STRING	PTF
The CA RS 2208 service count for this FMID is 7			

DB2 Tools
CA RS 2208 Service List for CPPAK00

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FMID	Service	Description	Type
CPPAK00	LU06684	UPDATE COMPANY NAME IN PRODUCT PANELS	PTF
The CA RS 2208 service count for this FMID is 1			

DB2 Tools
CA RS 2208 Service List for CPRAK00

FMID	Service	Description	Type
CPRAK00	LU06400	LOG READER CAN FAIL TO FIND SOME RBA IN DB2 LOG	PTF
	LU06432	PRA#LOAD JOB SIMPLIFICATION USING TEMPLATE FOR PRA#COPY STEP	PTF
	LU06525	SECURITY OR INTEGRITY PROBLEM	** PRP **
	LU06569	UPDATE PRA PANELS FOR VERSION STRING	PTF
The CA RS 2208 service count for this FMID is 4			

DB2 Tools
CA RS 2208 Service List for CPRFK00

FMID	Service	Description	Type
CPRFK00	LU06707	UPDATE PRF VERSION STRING	PTF
The CA RS 2208 service count for this FMID is 1			

DB2 Tools
CA RS 2208 Service List for CPSAK00

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FMID	Service	Description	Type
CPSAK00	LU06683	UPDATE COMPANY NAME IN PRODUCT PANELS	PTF
The CA RS 2208 service count for this FMID is 1			

DB2 Tools
CA RS 2208 Service List for CPUTK00

FMID	Service	Description	Type
CPUTK00	LU06366	PBR OUTPUT-CONTROL ALL SORT-CLINDX SYSREC MULTITASKING	PTF
	LU06591	INCORRECT LOB DEFAULT VALUES / SOC9 IN UTL\$MGT WITH DISCARDS	PTF
The CA RS 2208 service count for this FMID is 2			

DB2 Tools
CA RS 2208 Service List for CRCQK00

FMID	Service	Description	Type
CRCQK00	LU06413	RCQ MULTIPLE ISSUES	PTF
The CA RS 2208 service count for this FMID is 1			

DB2 Tools
CA RS 2208 Service List for CRCUK00

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FMID	Service	Description	Type
CRCUK00	LU06414	RCQ MULTIPLE ISSUES	PTF
	LU06577	ADD IMPLICIT DATABASE SUPPORT FOR RCM, RCC, AND RCU	PTF
The CA RS 2208 service count for this FMID is 2			

DB2 Tools
CA RS 2208 Service List for CRCXK00

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FMID	Service	Description	Type
CRCXK00	LU06632	GENERATE SET CURRENT RULES AND SUPPRESS AUXILIARY OBJECT DDL	PTF
The CA RS 2208 service count for this FMID is 1			

DB2 Tools
CA RS 2208 Service List for CUGRK00

FMID	Service	Description	Type
CUGRK00	LU06401	LOG READER CAN FAIL TO FIND SOME RBA IN DB2 LOG	PTF
	LU06423	RECOVERY OF COMPRESSED INDEX MAKES THE INDEX UNUSABLE	PTF
	LU06515	PFR0184E ERROR DURING ACCUMULATE OF PBR2 TABLESPACES	PTF
	LU06526	SECURITY OR INTEGRITY PROBLEM	** PRP **
	LU06570	UPDATE PRA PANELS FOR VERSION STRING	PTF
The CA RS 2208 service count for this FMID is 5			

Service	Details																		
LU06280	LU06280 M.C.S. ENTRIES = ++PTF (LU06280) DUPLICIT ACTIVITY REPORTED IN CONSEQUENT STRATEGY RUNS PROBLEM DESCRIPTION: Log Analyzer for Db2 for z/OS (PLA) may report duplicit activity in consequent strategy runs. This happens when the activity resides in a Unit of Recovery (UR) that is still open at the time of strategy runs. SYMPTOMS: PLA reports, generated SQL or LOAD files contain duplicate records duplicate records in consequent runs. IMPACT: PLA strategy reports, SQL or LOAD file contain duplicate activity. Such SQL or LOAD files may replicate the duplicity into the replication environment CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Log Analyzer for Db2 for z/OS Version 20.0 Related Problem: PLA 17410 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02123-D200 DESC(DUPLICIT ACTIVITY REPORTED IN CONSEQUENT STRATEGY RUNS). ++VER (Z038) FMID (CPLAK00) PRE (LU00132 LU00356 LU00597 LU00759 LU00940 LU01538 LU01950 LU02062 LU03250 LU03492 LU04004 LU04419 LU04842 LU06217 R096583 R097709 R099559 S000975 S004245 S004461 S007813 S008008 S008802 S009333 S010677 S011669 S012889 S015064) SUP (LT06280) ++HOLD (LU06280) SYSTEM FMID(CPLAK00) REASON (DB2BIND) DATE (22189) COMMENT (<table border="1"> <tr> <td>Log Analyzer 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	Log Analyzer 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.
Log Analyzer 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
	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
LU06364	LU06364 M.C.S. ENTRIES = ++PTF (LU06364) PBR OUTPUT-CONTROL ALL SORT-CLINDX SYSREC MULTITASKING ENHANCEMENT DESCRIPTION: Fast Load for Db2 for z/OS (PFL) has been enhanced to support multitasking for PBR tablespaces when OUTPUT-CONTROL ALL and RECLUSTER YES SORT-CLINDX are specified. PRODUCT(S) AFFECTED: Fast Load for DB2 for z/OS Version 20.0 Related Problem: PFL 16248 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02142-D200 DESC(PBR OUTPUT-CONTROL ALL SORT-CLINDX SYSREC MULTITASKING). ++VER (Z038) FMID (CINSK00) PRE (LU00438 LU03190 LU03657 LU03907 LU04412 LU04621 R099553 S000016 S001396 S004455 S006113 S007379 S007807 S010004 S011078 S012904 S015980) SUP (LT06364) ++IF FMID(CPFLK00) REQ(LU06365). ++IF FMID(CPUTK00) REQ(LU06366).

Service	Details																																
LU06365	LU06365 M.C.S. ENTRIES = ++PTF (LU06365) PBR OUTPUT-CONTROL ALL SORT-CLINDX SYSREC MULTITASKING ENHANCEMENT DESCRIPTION: Fast Load for Db2 for z/OS (PFL) has been enhanced to support multitasking for PBR tablespaces when OUTPUT-CONTROL ALL and RECLUSTER YES SORT-CLINDX are specified. PRODUCT(S) AFFECTED: Fast Load for DB2 for z/OS Version 20.0 Related Problem: PFL 16248 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02142-D200 DESC(PBR OUTPUT-CONTROL ALL SORT-CLINDX SYSREC MULTITASKING) . ++VER (Z038) FMID (CPFLK00) PRE (LU00178 LU00247 LU00301 LU00436 LU00724 LU01349 LU01379 LU01720 LU02243 LU03191 LU03210 LU03231 LU03577 LU03684 LU03742 LU03846 LU04159 LU04417 LU04616 LU04980 LU05207 LU05225 LU05348 LU05457 LU05534 LU05880 LU06077 LU06304 R096581 R097708 R099557 S000018 S000704 S001401 S001656 S004275 S004459 S004857 S005012 S005502 S006117 S007170 S007811 S008071 S008378 S008428 S009024 S009977 S010195 S010752 S011107 S011235 S011325 S011431 S011601 S011846 S011946 S011996 S012107 S012128 S012150 S012275 S012526 S012984 S013066 S013097 S013150 S013175 S013203 S013706 S013765 S014031 S014427 S014772 S015015 S015235 S015312 S015484 S015738 S016089) SUP (AS14772 LT02258 LT02485 LT02821 LT03038 LT06012 LT06365 LU02258 LU02485 S012585 S015771 ST11056 ST12585 ST13122 ST15157 ST15281 ST15288 ST15771 TR99436) ++IF FMID(CINSK00) REQ(LU06364). ++IF FMID(CPUTK00) REQ(LU06366). ++HOLD (LU06365) SYSTEM FMID(CPFLK00) REASON (MSGSKEL) DATE (22188) COMMENT (<table> <tr> <td>+</td><td>-----+</td></tr> <tr> <td> </td><td>Fast Load for Db2 for z/OS 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> <tr> <td>+</td><td>-----+</td></tr> <tr> <td> </td><td>ACCESS 1. Db2 Tools Post Install </td></tr> <tr> <td> </td><td>REQUIRED 2. BIND Authority on Db2 subsystems </td></tr> <tr> <td>+</td><td>-----+</td></tr> </table> *****	+	-----+		Fast Load for Db2 for z/OS 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	+	-----+
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Service	Details
	* 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.).

Service	Details
LU06366	LU06366 M.C.S. ENTRIES = ++PTF (LU06366) PBR OUTPUT-CONTROL ALL SORT-CLINDX SYSREC MULTITASKING ENHANCEMENT DESCRIPTION: Fast Load for Db2 for z/OS (PFL) has been enhanced to support multitasking for PBR tablespaces when OUTPUT-CONTROL ALL and RECLUSTER YES SORT-CLINDX are specified. PRODUCT(S) AFFECTED: Fast Load for DB2 for z/OS Version 20.0 Related Problem: PFL 16248 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02142-D200 DESC(PBR OUTPUT-CONTROL ALL SORT-CLINDX SYSREC MULTITASKING). ++VER (Z038) FMID (CPUTK00) PRE (LU00248 LU03033 LU03192 LU03323 LU03734 LU03847 LU04427 LU04618 LU05305 LU05349 LU05535 LU06206 R096590 R099566 S000024 S005016 S006127 S007894 S008072 S008380 S008429 S008586 S009253 S009978 S011110 S011238 S011521 S011848 S011849 S011999 S012529 S012717 S013098 S013153 S013767 S014502 S014773 S015740 S016090) SUP (LT06013 LT06366 ST08364) ++IF FMID(CINSK00) REQ(LU06364). ++IF FMID(CPFLK00) REQ(LU06365). ++HOLD (LU06366) SYSTEM FMID(CPUTK00) REASON (MSGSKEL) DATE (22188) COMMENT (<pre> +-----+ Utilities Common 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. 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.).</pre>

Service	Details
LU06394	LU06394 M.C.S. ENTRIES = ++PTF (LU06394) SOCB OR SOC3 ABEND DURING PROCESSING OF NON-UNIQUE INDEX PROBLEM DESCRIPTION: Database Analyzer for Db2 for z/OS (PDA) may ABEND with one of the following codes in module RALUBLD during Action Processing of a non-unique index: 1. SOCB-0B 2. SOC3-03 In the case of the SOC3 ABEND, either the RTS statistics are incorrect or there was a high level of DML activity on the object during the execution of the PDA job. SYMPTOMS: The job abends with one of the following or a similar symptom dump: SYSTEM COMPLETION CODE=0CB REASON CODE=0000000B TIME=hh.mm.ss SEQ=nnnnn CPU=0000 ASID=asid PSW AT TIME OF ERROR 478D2000 801B1434 ILC 6 INTC 0B ACTIVE MODULE ADDRESS=00000000_00190000 OFFSET=00021434 NAME=RALUBLD DATA AT PSW 001B142E - FDF7C4CA B4AC4F40 C4CA5040 AR/GR 0: 00789430/0000005F 1: 00000000/00000006 2: 00000000/00000FBC 3: 00000000/3B4CCCD0 4: 00000000/00011000 5: 00000000/001DB298 6: 00000000/3B41549E 7: 00000000/001DC298 8: 00000000/3B4CB030 9: 00000000/001DD298 A: 00000000/001B035E B: 00000000/80191008 C: 00000000/001B13FE D: 00000000/80190008 E: 00000000/00190EB8 F: 00000000/001B13FE SYSTEM COMPLETION CODE=0C3 REASON CODE=00000003 TIME=hh.mm.ss SEQ=nnnnn CPU=0000 ASID=asid PSW AT TIME OF ERROR 078D0000 8020959A ILC 4 INTC 03 ACTIVE MODULE ADDRESS=00000000_001E8000 OFFSET=0002159A NAME=RALUBLD DATA AT PSW 00209594 - DD304440 C1984810 B4CA4A10 GR 0: 00010000_0000005A 1: 00000000_00000005 2: 00000000_00000FCE 3: 00000000_3B5B8E78 4: 00000000_00000000 5: 00000000_00233298 6: 00000000_3B415453 7: 00000000_00234298 8: 00000000_3B5B83F8 9: 00000000_00235298 A: 00000000_0020835E B: 00000000_801E9008 C: 00000000_002093FE D: 00000000_801E8008 E: 00000000_001E8EB8 F: 00000000_002093FE In the PTIMSG output, the processing is disrupted during the Action Processing phase. IMPACT: The job fails and the maintenance JCLs are not generated. CIRCUMVENTION: 1. None for SOCB ABEND. 2. For SOC3 ABEND ensure that the RTS statistics for the impacted index are not corrupted or outdated. Run the PDA job during a period of lower DML activity on the object. PRODUCT(S) AFFECTED: Database Analyzer for Db2 for z/OS Related Problem:

Service	Details
	PDA 17557 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02144-D200 DESC(SOCB OR SOC3 ABEND DURING PROCESSING OF NON-UNIQUE INDEX) . ++VER (Z038) FMID (CPDAK00) PRE (LU00146 LU00891 LU01089 LU02456 LU03680 LU04415 LU06141 LU06301 S000017 S006115) SUP (AL00146 BL00146 LT00257 LT00475 LT02194 LT06394 LU00257 LU00475 ST05436 ST05467 ST05510 ST05806 ST05830)

Service	Details
LU06397	LU06397 M.C.S. ENTRIES = ++PTF (LU06397) S878 WITH IC / U444 / SQL WITH LOWERCASE /PFU0390E FOR SP PROBLEM DESCRIPTION: 1. Fast Unload for Db2 for z/OS (PFU) may abend with S878 when allocating storage below the line when LAST-COPY MULTI is specified and unloading an image copy. 2. PFU fails with user abend U0444 in module UTLFUFMT+26A2. The problem occurs when a LOB column is specified in the ORDER BY clause of the SELECT statement in the PFU input. The user abend is not descriptive. The following new message will be printed to better indicate the problem: PFU0359E LOB COLUMN CANNOT BE SPECIFIED IN AN ORDER BY CLAUSE 3. PFU switches to SQL access when lowercase SQL syntax is present. 4. PFU issues message PFU0390E when PFU is unable to retrieve a system page. The message is not descriptive. The following new message will be printed to better indicate the problem: PFU0361E - UNABLE TO LOCATE REQUIRED SYSTEM PAGE XXX SYMPTOMS: 1. S878 abend. 2. U444 abend in UTLFUFMT+26A2. 3. PFU0130I - THIS REQUIRES SQL ACCESS WHICH WILL BE USED. 4. PFU0390E - UTAFUSPG PTMVREX BUILD ERROR - RETURN CODE 00000014 REASON CODE 0000004C IMPACT: 1. Processing fails. 2. It is difficult to determine the nature of the problem. 3. PFU switches to SQL access. 4. PFU does not indicate the actual reason for the processing failure. CIRCUMVENTION: 1. Specify a lower value for the COPY-BUFFERS keyword and rerun the job. 2. Do not specify LOB columns in the ORDER BY clause. 3. Convert the SQL syntax to uppercase. 4. None PRODUCT(S) AFFECTED: Fast Unload for Db2 for z/OS Version 20.0 Related Problem: PFU 17151 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02145-D200 DESC(S878 WITH IC / U444 / SQL WITH LOWERCASE /PFU0390E FOR SP). ++VER (Z038) FMID (CPFUK00) PRE (LU00281 LU00886 LU01939 LU03265 LU03353 LU04418 LU04868 LU05397 LU05747 R099558 S000019 S001402 S001818 S004460 S005013 S005503 S006118 S006867 S008068 S008112 S008860 S009025 S011108 S011476 S011997 S012108 S013319 S013766 S013960 S014382 S014501 S014984 S016195) SUP (LT06331 LT06397) ++HOLD (LU06397) SYSTEM FMID(CPFUK00) REASON (MSGSKEL) DATE (22188) COMMENT (+-----+ Fast Unload 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.).</pre>

Service	Details												
LU06398	LU06398 M.C.S. ENTRIES = ++PTF (LU06398) LOG READER CAN FAIL TO FIND SOME RBA IN DB2 LOG PROBLEM DESCRIPTION: The Log Reader common service of the Database Management Solutions for Db2 for z/OS may encounter an error when it processes records from the log data sets that crossed the 6-byte boundary or any of its multiplications. SYMPTOMS: Log Reader issues error message PFR0216E with the following text: PFR0216E - UNABLE TO FIND CI RBA X'000000020000155F3000' IN ARCHIVE OR ACTIVE LOG DATASETS ATTEMPTING TO PROCESS LOG DATASET 'DSNDTGP.DT11.LOGCOPY2.DS02' STARTING LOG CI RBA X'00000001FFFFD665A000' If the log is read from Log Analyzer for Db2 for z/OS, the error message is issued as a part of LAE0181I messages. The batch job is terminated with following message and non-zero return code: LAE0032E LAL@BLDX terminated with return/abend code: 16 RETCODE = 16 IMPACT: Products that use the Log Reader to process the log data sets may result in job failure. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: <table> <tr> <td>Log Reader common service for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Log Analyzer for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Quick Copy for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Fast Unload 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> <tr> <td>Rapid Reorg for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: PLR 17537 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02146-D200 DESC(LOG READER CAN FAIL TO FIND SOME RBA IN DB2 LOG). ++VER (Z038) FMID (CINSK00) PRE (LU00135 LU01178 LU01978 LU04412 R096576 R099553 S000016 S000785 S001396 S004244 S004794 S005011 S015455) SUP (LT06398 S009818 ST09818) ++IF FMID(CPLAK00) REQ(LU06399). ++IF FMID(CPRAK00) REQ(LU06400). ++IF FMID(CUGRK00) REQ(LU06401).	Log Reader common service for Db2 for z/OS	Version 20.0	Log Analyzer for Db2 for z/OS	Version 20.0	Quick Copy for Db2 for z/OS	Version 20.0	Fast Unload for Db2 for z/OS	Version 20.0	Fast Recover for Db2 for z/OS	Version 20.0	Rapid Reorg for Db2 for z/OS	Version 20.0
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Service	Details												
LU06400	LU06400 M.C.S. ENTRIES = ++PTF (LU06400) LOG READER CAN FAIL TO FIND SOME RBA IN DB2 LOG PROBLEM DESCRIPTION: The Log Reader common service of the Database Management Solutions for Db2 for z/OS may encounter an error when it processes records from the log data sets that crossed the 6-byte boundary or any of its multiplications. SYMPTOMS: Log Reader issues error message PFR0216E with the following text: PFR0216E - UNABLE TO FIND CI RBA X'000000020000155F3000' IN ARCHIVE OR ACTIVE LOG DATASETS ATTEMPTING TO PROCESS LOG DATASET 'DSNDTGP.DT11.LOGCOPY2.DS02' STARTING LOG CI RBA X'00000001FFFFD665A000' If the log is read from Log Analyzer for Db2 for z/OS, the error message is issued as a part of LAE0181I messages. The batch job is terminated with following message and non-zero return code: LAE0032E LAL@BLDX terminated with return/abend code: 16 RETCODE = 16 IMPACT: Products that use the Log Reader to process the log data sets may result in job failure. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: <table> <tr> <td>Log Reader common service for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Log Analyzer for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Quick Copy for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Fast Unload 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> <tr> <td>Rapid Reorg for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: PLR 17537 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02146-D200 DESC(LOG READER CAN FAIL TO FIND SOME RBA IN DB2 LOG). ++VER (Z038) FMID (CPRAK00) PRE (LU01181 LU03706 LU04421 R099561 S001405 S004246 S004796 S009714) SUP (LT06400 ST04790) ++IF FMID(CINSK00) REQ(LU06398). ++IF FMID(CPLAK00) REQ(LU06399). ++IF FMID(CUGRK00) REQ(LU06401).	Log Reader common service for Db2 for z/OS	Version 20.0	Log Analyzer for Db2 for z/OS	Version 20.0	Quick Copy for Db2 for z/OS	Version 20.0	Fast Unload for Db2 for z/OS	Version 20.0	Fast Recover for Db2 for z/OS	Version 20.0	Rapid Reorg for Db2 for z/OS	Version 20.0
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Service	Details												
LU06401	LU06401 M.C.S. ENTRIES = ++PTF (LU06401) LOG READER CAN FAIL TO FIND SOME RBA IN DB2 LOG PROBLEM DESCRIPTION: The Log Reader common service of the Database Management Solutions for Db2 for z/OS may encounter an error when it processes records from the log data sets that crossed the 6-byte boundary or any of its multiplications. SYMPTOMS: Log Reader issues error message PFR0216E with the following text: PFR0216E - UNABLE TO FIND CI RBA X'000000020000155F3000' IN ARCHIVE OR ACTIVE LOG DATASETS ATTEMPTING TO PROCESS LOG DATASET 'DSNDTGP.DT11.LOGCOPY2.DS02' STARTING LOG CI RBA X'00000001FFFFD665A000' If the log is read from Log Analyzer for Db2 for z/OS, the error message is issued as a part of LAE0181I messages. The batch job is terminated with following message and non-zero return code: LAE0032E LAL@BLDX terminated with return/abend code: 16 RETCODE = 16 IMPACT: Products that use the Log Reader to process the log data sets may result in job failure. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: <table> <tr> <td>Log Reader common service for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Log Analyzer for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Quick Copy for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Fast Unload 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> <tr> <td>Rapid Reorg for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: PLR 17537 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02146-D200 DESC(LOG READER CAN FAIL TO FIND SOME RBA IN DB2 LOG). ++VER (Z038) FMID (CUGRK00) PRE (LU04435 S000029 S001418 S012155) SUP (LT06401) ++IF FMID(CINSK00) REQ(LU06398). ++IF FMID(CPLAK00) REQ(LU06399). ++IF FMID(CPRAK00) REQ(LU06400).	Log Reader common service for Db2 for z/OS	Version 20.0	Log Analyzer for Db2 for z/OS	Version 20.0	Quick Copy for Db2 for z/OS	Version 20.0	Fast Unload for Db2 for z/OS	Version 20.0	Fast Recover for Db2 for z/OS	Version 20.0	Rapid Reorg for Db2 for z/OS	Version 20.0
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Service	Details
LU06412	LU06412 M.C.S. ENTRIES = ++PTF (LU06412) The following items are included in this solution: 1. RCQ MULTIPLE ISSUES 2. SORT COMMAND ENDS WITH A SOC4 ABEND WHILE BROWSING A TABLE ===== RCQ MULTIPLE ISSUES PROBLEM DESCRIPTION: In RC/Query for DB2 for z/OS(RCQ), the following problems might occur: * The HGRANT command on View object returns empty results. * The LBIND command generates an incorrect bind card if the package or member name is a Db2 reserved keyword. * The ALL DDL command from the Alias List(A-L) report fails with error RQE02001. * The Tablespace List (TS-L) report shows truncated data for the PQTY i and SECQTYI columns. * The HDDL object selection for Alias and Sequence results in incorrect DDLs. * The User Table Authorization (U-TA) and the Role Table Authorization (RO-TA) reports do not display column updates or reference authorizations. * The LREVOKE command does not include the INCLUDING DEPENDENT PRIVILEGES option. SYMPTOMS: * The HGRANT command on a View object does not generate GRANT statements. * The LBIND command on a package generates an incorrect bind statement when the package or member name is a Db2 reserved keyword, such as 'OR', or 'BETWEEN'. * The ALL DDL from the A-L report fails with RC=8,8,0 RQE02001 error when the report has a Sequence alias along with other aliases. * In the TS-L report, PQTY and SECQTYI data is truncated instead of displaying to the max integer limit. * Unselecting a Sequence object from the HDDL panel affects Alias object DDL. * The column authorizations are missing from the U-TA and RO-TA reports. * The INCLUDING DEPENDENT PRIVILEGES option is missing when executing the LREVOKE command. IMPACT: * The GRANT statement on a VIEW object cannot be generated using HGRANT. * LBIND generates non executable BIND cards. * The ALL DDL command cannot be used from the A-L report. * The TS-L displays incorrect information. * Unselecting a Sequence object from the HDDL panel may produce undesired DDL. * The T-UA and RO-TA reports are incomplete. * The user cannot specify the INCLUDING DEPENDENT PRIVILEGES option for LREVOKE command. CIRCUMVENTION: * None. * Manually correct the generated bind cards. * None. * None. * None. * None.

Service	Details																																		
	* Manually add the INCLUDING DEPENDENT PRIVILEGES clause. PRODUCT(S) AFFECTED: RC/Query for Db2 for z/OS Version 20.0 Related Problem: RCQ 15634 ===== SORT COMMAND ENDS WITH A SOC4 ABEND WHILE BROWSING A TABLE PROBLEM DESCRIPTION: In RC/Update for Db2 for z/OS (RCU), the SORT command fails with a SOC4 abend when browsing a table that has a FOR BIT DATA column. SYMPTOMS: Sorting browse results using a FOR BIT DATA column ends with a SOC4 abend. IMPACT: The user cannot sort results using the FOR BIT DATA column. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Update for Db2 for z/OS Version 20. 0 Related Problem: RCU 17570 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02148-D200 DESC(RCQ MULTIPLE ISSUES). ++VER (Z038) FMID (CINSK00) PRE (LU00412 LU00925 LU01705 LU03314 LU03657 LU03923 LU04149 LU04243 LU04412 LU04950 LU05031 R097704 R099553 S001396 S001665 S004455 S006113 S007379 S007807 S009105 S010004 S010788 S012011 S012228 S012933 S015804) SUP (AS10788 LT06412 S009851 S010871 S011468 S012132 S013973 ST09851 ST10871 ST11468 ST12132 ST13973) ++IF FMID(CRCQK00) REQ(LU06413). ++IF FMID(CRCUK00) REQ(LU06414). ++HOLD (LU06412) SYSTEM FMID(CINSK00) REASON (RESTART) DATE (22194) COMMENT (<table border="1"> <tr> <td colspan="2">+-----+</td></tr> <tr> <td> Db2 Common Components</td><td>Version 20.0 </td></tr> <tr> <td colspan="2">+-----+</td></tr> <tr> <td> SEQUENCE</td><td> Before Apply </td></tr> <tr> <td colspan="2">+-----+</td></tr> <tr> <td> PURPOSE</td><td> Avoidance of module mismatch related errors in an Xmanager </td></tr> <tr> <td colspan="2">+-----+</td></tr> <tr> <td> USERS</td><td> Collections of Db2 statistics via Detector or Subsystem </td></tr> <tr> <td> AFFECTED</td><td> Analyzer. </td></tr> <tr> <td> </td><td> Db2 subsystems that have active collections. </td></tr> <tr> <td colspan="2">+-----+</td></tr> <tr> <td> KNOWLEDGE</td><td> 1. SMP/E </td></tr> <tr> <td> REQUIRED</td><td> 2. z/OS System Programming </td></tr> <tr> <td> </td><td> 3. Db2 Tools Installation and Maintenance procedures. </td></tr> <tr> <td colspan="2">+-----+</td></tr> <tr> <td> ACCESS</td><td> 1. Product runtime libraries. </td></tr> <tr> <td> REQUIRED</td><td> </td></tr> </table>	+-----+		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	
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Service	Details
	<pre> +-----+-----+ ***** * 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
LU06413	LU06413 M.C.S. ENTRIES = ++PTF (LU06413) The following items are included in this solution: 1. RCQ MULTIPLE ISSUES 2. SORT COMMAND ENDS WITH A SOC4 ABEND WHILE BROWSING A TABLE ===== RCQ MULTIPLE ISSUES PROBLEM DESCRIPTION: In RC/Query for DB2 for z/OS(RCQ), the following problems might occur: * The HGRANT command on View object returns empty results. * The LBIND command generates an incorrect bind card if the package or member name is a Db2 reserved keyword. * The ALL DDL command from the Alias List(A-L) report fails with error RQE02001. * The Tablespace List (TS-L) report shows truncated data for the PQTY i and SECQTYI columns. * The HDDL object selection for Alias and Sequence results in incorrect DDLs. * The User Table Authorization (U-TA) and the Role Table Authorization (RO-TA) reports do not display column updates or reference authorizations. * The LREVOKE command does not include the INCLUDING DEPENDENT PRIVILEGES option. SYMPTOMS: * The HGRANT command on a View object does not generate GRANT statements. * The LBIND command on a package generates an incorrect bind statement when the package or member name is a Db2 reserved keyword, such as 'OR', or 'BETWEEN'. * The ALL DDL from the A-L report fails with RC=8,8,0 RQE02001 error when the report has a Sequence alias along with other aliases. * In the TS-L report, PQTY and SECQTYI data is truncated instead of displaying to the max integer limit. * Unselecting a Sequence object from the HDDL panel affects Alias object DDL. * The column authorizations are missing from the U-TA and RO-TA reports. * The INCLUDING DEPENDENT PRIVILEGES option is missing when executing the LREVOKE command. IMPACT: * The GRANT statement on a VIEW object cannot be generated using HGRANT. * LBIND generates non executable BIND cards. * The ALL DDL command cannot be used from the A-L report. * The TS-L displays incorrect information. * Unselecting a Sequence object from the HDDL panel may produce undesired DDL. * The T-UA and RO-TA reports are incomplete. * The user cannot specify the INCLUDING DEPENDENT PRIVILEGES option for LREVOKE command. CIRCUMVENTION: * None. * Manually correct the generated bind cards. * None. * None. * None. * None.

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	* Manually add the INCLUDING DEPENDENT PRIVILEGES clause. PRODUCT(S) AFFECTED: RC/Query for Db2 for z/OS Version 20.0 Related Problem: RCQ 15634 ===== SORT COMMAND ENDS WITH A SOC4 ABEND WHILE BROWSING A TABLE PROBLEM DESCRIPTION: In RC/Update for Db2 for z/OS (RCU), the SORT command fails with a SOC4 abend when browsing a table that has a FOR BIT DATA column. SYMPTOMS: Sorting browse results using a FOR BIT DATA column ends with a SOC4 abend. IMPACT: The user cannot sort results using the FOR BIT DATA column. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Update for Db2 for z/OS Version 20. 0 Related Problem: RCU 17570 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02148-D200 DESC(RCQ MULTIPLE ISSUES). ++VER (Z038) FMID (CRCQK00) PRE (LU01706 LU02030 LU03220 LU04430 LU05176 LU05408 LU05797 R096593 R099569 S001414 S004471 S006128 S006875 S007822 S008232 S008608 S010163 S011197 S013083 S015697) SUP (LT06413) ++IF FMID(CINSK00) REQ(LU06412). ++IF FMID(CRCUK00) REQ(LU06414). ++HOLD (LU06413) SYSTEM FMID(CRCQK00) REASON (DB2BIND) DATE (22194) 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 * *****	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																		
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Service	Details
	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
LU06414	LU06414 M.C.S. ENTRIES = ++PTF (LU06414) The following items are included in this solution: 1. RCQ MULTIPLE ISSUES 2. SORT COMMAND ENDS WITH A SOC4 ABEND WHILE BROWSING A TABLE ===== RCQ MULTIPLE ISSUES PROBLEM DESCRIPTION: In RC/Query for DB2 for z/OS(RCQ), the following problems might occur: * The HGRANT command on View object returns empty results. * The LBIND command generates an incorrect bind card if the package or member name is a Db2 reserved keyword. * The ALL DDL command from the Alias List(A-L) report fails with error RQE02001. * The Tablespace List (TS-L) report shows truncated data for the PQTY i and SECQTYI columns. * The HDDL object selection for Alias and Sequence results in incorrect DDLs. * The User Table Authorization (U-TA) and the Role Table Authorization (RO-TA) reports do not display column updates or reference authorizations. * The LREVOKE command does not include the INCLUDING DEPENDENT PRIVILEGES option. SYMPTOMS: * The HGRANT command on a View object does not generate GRANT statements. * The LBIND command on a package generates an incorrect bind statement when the package or member name is a Db2 reserved keyword, such as 'OR', or 'BETWEEN'. * The ALL DDL from the A-L report fails with RC=8,8,0 RQE02001 error when the report has a Sequence alias along with other aliases. * In the TS-L report, PQTY and SECQTYI data is truncated instead of displaying to the max integer limit. * Unselecting a Sequence object from the HDDL panel affects Alias object DDL. * The column authorizations are missing from the U-TA and RO-TA reports. * The INCLUDING DEPENDENT PRIVILEGES option is missing when executing the LREVOKE command. IMPACT: * The GRANT statement on a VIEW object cannot be generated using HGRANT. * LBIND generates non executable BIND cards. * The ALL DDL command cannot be used from the A-L report. * The TS-L displays incorrect information. * Unselecting a Sequence object from the HDDL panel may produce undesired DDL. * The T-UA and RO-TA reports are incomplete. * The user cannot specify the INCLUDING DEPENDENT PRIVILEGES option for LREVOKE command. CIRCUMVENTION: * None. * Manually correct the generated bind cards. * None. * None. * None. * None.

Service	Details
	* Manually add the INCLUDING DEPENDENT PRIVILEGES clause. PRODUCT(S) AFFECTED: RC/Query for Db2 for z/OS Version 20.0 Related Problem: RCQ 15634 ===== SORT COMMAND ENDS WITH A SOC4 ABEND WHILE BROWSING A TABLE PROBLEM DESCRIPTION: In RC/Update for Db2 for z/OS (RCU), the SORT command fails with a SOC4 abend when browsing a table that has a FOR BIT DATA column. SYMPTOMS: Sorting browse results using a FOR BIT DATA column ends with a SOC4 abend. IMPACT: The user cannot sort results using the FOR BIT DATA column. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Update for Db2 for z/OS Version 20. 0 Related Problem: RCU 17570 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02148-D200 DESC(RCQ MULTIPLE ISSUES). ++VER (Z038) FMID (CRCUK00) PRE (LU04432) SUP (LT06414) ++IF FMID(CINSK00) REQ(LU06412). ++IF FMID(CRCQK00) REQ(LU06413).

Service	Details
LU06418	LU06418 M.C.S. ENTRIES = ++PTF (LU06418) LOB DATA UNLOADED WITHOUT PROPER PADDING PROBLEM DESCRIPTION: Fast Unload for Db2 for z/OS (PFU) may incorrectly unload large object (LOB) data without padding the variable length with binary zeros.The problem occurs when OUTPUT-FORMAT DSNTIAUL is used. SYMPTOMS: The LOB data is written to the output dataset without proper padding. IMPACT: No impact to the LOB data.The data can be correctly loaded,but downstream processing that relies on correct padding may be affected. CIRCUMVENTION: None. PR DUCT(S) AFFECTED: Fast Unload for Db2 for z/OS Version 20.0 Related Problem: PFU 17309 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02150-D200 DESC(LOB DATA UNLOADED WITHOUT PROPER PADDING) . ++VER (Z038) FMID (CPFUK00) PRE (LU00886 LU04418 S000019 S001818 S011997 S012151 S016195) SUP (LT06418)

Service	Details
LU06423	LU06423 M.C.S. ENTRIES = ++PTF (LU06423) The following items are included in this solution: 1. RECOVERY OF COMPRESSED INDEX MAKES THE INDEX UNUSABLE 2. PFR0748E & RC=8 DURING RECOVERY FROM FIC WITH COMPRESS YES 3. PFR HANGS COMPRESS YES TS AND DICTIONARY PAGES FROM LOG 4. REBUILD INDEX MAY FAIL WITH X'00C90101' AFTER PFR ON PBR2 TS 5. COPY OF COMPRESSED TS MAY BE UNUSABLE WITH SORT LOG YES ===== RECOVERY OF COMPRESSED INDEX MAKES THE INDEX UNUSABLE PROBLEM DESCRIPTION: Recovery of a compressed index with Fast Recover for Db2 for z/OS (PFR) using SORTLOG YES makes the index unusable. SYMPTOMS: Check index ends with RC=8 and messages DSNU590I & DSNU561I: DSNU590I csect-name object RESOURCE NOT AVAILABLE - object-name REASON = X'reason-code' DSNU561I csect-name - obj-type obj-qual.obj-name PARTITION part-number IS IN CHECK PENDING IMPACT: Fast Recover for Db2 for z/OS (PFR) may not be able to recover a COPY YES index with COMPRESS YES. CIRCUMVENTION: Use PFR SORTLOG NO option. PRODUCT(S) AFFECTED: Fast Recover for Db2 for z/OS Version 20.0 Related Problem: PFR 17458 ===== PFR0748E & RC=8 DURING RECOVERY FROM FIC WITH COMPRESS YES PROBLEM DESCRIPTION: Fast Recover for Db2 for z/OS (PFR) ends with RC=8 and error message PFR0748E, when recovering from FIC with concurrent rebuild of associated IXs while using the SORTLOG YES parameter to recover a compressed TS. SYMPTOMS: PFR0748E error message is shown when recovering from FIC with concurrent rebuild of associated IXs and using the SORTLOG YES parameter on a compressed TS. IMPACT: Fast Recover for Db2 for z/OS (PFR) may be not able to recover a TS and concurrently rebuild associated IXs using a FIC with SORTLOG YES. CIRCUMVENTION: Use SORTLOG NO instead of SORTLOG YES or separate recover and rebuild of associated IXs in 2 different job steps. PRODUCT(S) AFFECTED: Fast Recover for Db2 for z/OS Version 20.0 Related Problem: PFR 16586 ===== PFR HANGS COMPRESS YES TS AND DICTIONARY PAGES FROM LOG PROBLEM DESCRIPTION: Fast Recover for Db2 for z/OS (PFR) may not terminate execution when recovering a tablespace when the following conditions are true: - Concurrent rebuild of associated index

Service	Details
	- SORTLOG YES - Dictionary pages are to be created from logs SYMPTOMS: Fast Recover for Db2 for z/OS (PFR) does not terminate execution when recovering a tablespace with concurrent rebuild of associated index using PFR SORTLOG YES option. IMPACT: Fast Recover for Db2 for z/OS (PFR) may not be able to recover a TS and do concurrent rebuild of associated index using PFR SORTLOG YES option. CIRCUMVENTION: Use PFR SORTLOG NO option. PRODUCT(S) AFFECTED: Fast Recover for Db2 for z/OS Version 20.0 Related Problem: PFR 17367 ===== REBUILD INDEX MAY FAIL WITH X'00C90101' AFTER PFR ON PBR2 TS PROBLEM DESCRIPTION: Fast Recover for Db2 for z/OS (PFR) may not work properly for PBR2 TS when multiple incremental copies of partitions are involved in recovery and recovery for each partition is done separately. SYMPTOMS: REBUILD INDEX may fail with reason code X'00C90101' IMPACT: RECOVER with SORTLOG YES for PBR2 objects may not work. CIRCUMVENTION: SORTLOG NO may be used. PRODUCT(S) AFFECTED: Fast Recover for Db2 for z/OS Version 20.00 Related Problem: PFR 17470 ===== COPY OF COMPRESSED TS MAY BE UNUSABLE WITH SORT LOG YES PROBLEM DESCRIPTION: Quick Copy for Db2 for z/OS (PQC) may produce a copy of a compressed TS with system pages and the duplicated dictionary pages out of order. SYMPTOMS: Output copy of compressed TS with duplicated dictionary pages are placed before the copied system pages. IMPACT: The copy may not be usable to recover TS with concurrent IX rebuild when using the SORTLOG YES option with Fast Recover for Db2 for z/OS. CIRCUMVENTION: None PRODUCT(S) AFFECTED: Quick Copy for Db2 for z/OS Version 20.0 Related Problem: PQC 16503 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02152-D200 DESC(RECOVERY OF COMPRESSED INDEX MAKES THE INDEX UNUSABLE). ++VER (Z038)

Service	Details
	FMID (CUGRK00) PRE (LU00141 LU00728 LU02712 LU04435 LU05850 R099574 S000029 S000201 S001660 S004475 S005018 S006069 S006132 S006879 S007826 S008668 S009132 S009903 S011239 S014568 S015487 S015609) SUP (AL05695 AL05850 CC06071 LT01665 LT01667 LT01893 LT01936 LT02015 LT02048 LT02307 LT02388 LT02529 LT02762 LT03073 LT05422 LT05695 LT05816 LT06000 LT06423 LU01893 LU01936 LU02048 LU02307 LU02529 LU02762 LU03073 LU05422 LU05695 LU05816 LU06000 S015308 S015817 S016181 ST05104 ST15308 ST15817 ST16181)

Service	Details
LU06430	LU06430 M.C.S. ENTRIES = ++PTF (LU06430) RC00013E ISSUED WHEN ANALYZING COMPARE WHERE TARGET REMOTE PROBLEM DESCRIPTION: RC/Compare for DB2 for z/OS (RCC) issues message RC00013E without generating the create table DDL when the target is remote and the DB2 version is >= 'V12R1M502'. SYMPTOMS: RC00013E: Internal Error service(ZOMPDCNV) RC=12 ;32 ,532 IMPACT: The create table DDL is not generated. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Compare for Db2 for z/OS Version 20.0 Related Problem: RCC 17571 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02153-D200 DESC(RC00013E ISSUED WHEN ANALYZING COMPARE WHERE TARGET REMOTE). ++VER (Z038) FMID (CINSK00) PRE (LU00426 LU00446 LU00914 LU03657 LU04149 LU04412 LU04930 LU05886 S001396 S004455 S004718 S006638 S007379 S008957 S009105 S011691 S011866 S011966 S012361 S012933 S014125 S014832 S015804) SUP (LT06430 R099748 TR99748)

Service	Details
LU06432	LU06432 M.C.S. ENTRIES = ++PTF (LU06432) PRA#LOAD JOB SIMPLIFICATION USING TEMPLATE FOR PRA#COPY STEP ENHANCEMENT DESCRIPTION: Recovery Analyzer for Db2 for z/OS(PRA) enhancement to simplify PRA#LOAD job by using TEMPLATE in PRA#COPY step. PRODUCT(S) AFFECTED: Recovery Analyzer for Db2 for z/OS Version 20.0 Related Problem: PRA 17205 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02154-D200 DESC(PRA#LOAD JOB SIMPLIFICATION USING TEMPLATE FOR PRA#COPY STEP). ++VER (Z038) FMID (CPRAK00) PRE (LU01181 LU03706 LU04421 R097711 R099561 S004246 S007906 S009714) SUP (LT06432 S008012 ST08012) ++HOLD (LU06432) SYSTEM FMID(CPRAK00) REASON (DB2BIND) DATE (22182) COMMENT (<pre> +-----+ Recovery Analyzer 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. +-----+-----+ ***** * 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
LU06433	LU06433 M.C.S. ENTRIES = ++PTF (LU06433) INCORRECT GENERATION OF REDO/UNDO DDL ACTIVITY REPORT PROBLEM DESCRIPTION: The Log Analyzer for Db2 for z/OS (PLA) DDL REDO/UNDO activity report may be incorrectly generated under any of the following conditions: 1) When the original activity contains the CREATE TABLE, ALTER TABLE ADD CHECK and ALTER TABLE ADD PRIMARY KEY statements in a single Unit of Recovery, and the clause defining the primary key is generated twice: once in the CREATE statement and once in the ALTER statement. 2) When the original activity contains the ALTER TABLE DROP CHECK followed by the DROP TABLE statements in a single Unit of Recovery. In this case only the DROP TABLE statement is reported. 3) SET SQLID statements are unnecessarily generated when: - the ALTER TABLE ADD FOREIGN KEY statement is generated - The COMMENT ON COLUMN statement is generated - The LABEL ON COLUMN statement is generated - The ALTER SEQUENCE statement is generated - The ALTER STOGROUP statement is generated - The ALTER TABLE ADD/DROP CONSTRAINT statement is generated - The ALTER TABLE ADD/DROP VERSIONING statement is generated - The ALTER TABLE DATA CAPTURE CHANGES/NONE statement is generated - The ALTER TABLE (NOT) VOLATILE statement is generated - The ALTER TABLE (NO) KEY LABEL statement is generated 4) CREATE INDEX statement contains an incorrect partitioning clause when the clause is a part of a CREATE TABLE statement. When generating a CREATE INDEX statement for a non-index-controlled partitioned tablespace the statement may contain a PARTITION BY clause. SYMPTOMS: 1) An execution of the generated DDL fails with the following error on the 'ALTER TABLE tbcreator.tbname ADD PRIMARY KEY (columnname)': SQLCODE = -624, ERROR: TABLE tbcreator.tbname ALREADY HAS A PRIMARY KEY OR UNIQUE CONSTRAINT WITH SPECIFIED COLUMNS AND PERIODS. 2) The ALTER TABLE DROP CHECK statement is missing from the report. 3) Unnecessary SET SQLID statements are generated. 4) An execution of the generated DDL fails with the following error: SQLCODE = -20182, ERROR: PARTITIONING CLAUSE ENDING AT ON CREATE STATEMENT FOR ixcreator.ixname IS NOT VALID IMPACT: 1) The generated DDL cannot be executed. 2) The generated DDL is incomplete.

Service	Details
	3) The execution of the generated DDL contains a significant number of ALTER statements that can reduce performance. 4) The generated DDL cannot be executed. CIRCUMVENTION: 1) Edit the generated DDL by removing the PRIMARY KEY clause from the CREATE TABLE statement that precedes the failing ALTER TABLE statement. 2) None. 3) Edit the generated DDL by removing the unnecessary SET SQLID statements before execution. 4) Edit the generated DDL by removing the PARTITION BY clause from the failing CREATE INDEX statement. PRODUCT(S) AFFECTED: Log Analyzer for Db2 for z/OS Version 20.0 Related Problem: PLA 17234 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02155-D200 DESC(INCORRECT GENERATION OF REDO/UNDO DDL ACTIVITY REPORT) . ++VER (Z038) FMID (CPLAK00) PRE (LU00672 LU01043 LU02230 LU02381 LU03250 LU03282 LU03316 LU03660 LU03925 LU04419 LU05734 LU06217 R099559 S000020 S000975 S001403 S004245 S004461 S006119 S008802 S009083 S009133 S010677 S011113 S011419 S011669 S012797 S012889 S012900 S013009 S013625 S013879 S014137 S014613 S014866 S015220) SUP (LT02213 LT04562 LT06433 LU02213 LU04562 S014142 S014949 ST14142 ST14924 ST14949)

Service	Details
LU06459	LU06459 M.C.S. ENTRIES = ++PTF (LU06459) 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: PXM 17554 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02157-D200 DESC (SECURITY OR INTEGRITY PROBLEM). ++VER (Z038) FMID (CINSK00) PRE (LU01648 LU01978 LU02242 LU04412 LU04452 LU06046 R099979 S004455 S006863 S007552 S012924 S013717 S013908 S014052 S014583) SUP (AS14583 LT03463 LT06459 LU03463 ST07332 ST07532) ++IF FMID(CPDTK00) REQ(LU06460). ++HOLD (LU06459) SYSTEM FMID(CINSK00) REASON (RESTART) DATE (22193) 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 +-----+-----+ ***** </pre> *****

Service	Details
	* 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.).

Service	Details
LU06460	LU06460 M.C.S. ENTRIES = ++PTF (LU06460) 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: PXM 17554 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02157-D200 DESC (SECURITY OR INTEGRITY PROBLEM). ++VER (Z038) FMID (CPDTK00) PRE (LU04231 LU04416 LU06048) SUP (LT06460) ++IF FMID(CINSK00) REQ(LU06459).

Service	Details
LU06505	LU06505 M.C.S. ENTRIES = ++PTF (LU06505) BATCH UNLOAD/REPORT SHORT DYNAMIC SQL TEXT LENGTH PROBLEM DESCRIPTION: Dynamic SQL text with a length of less than 8 characters are unloaded as unreadable characters. SYMPTOMS: After the unload the dynamic SQL text in the dataset cannot be viewed. IMPACT: Dynamic SQL text with a short length cannot be viewed. CIRCUMVENTION: None PRODUCT(S) AFFECTED: Detector for Db2 for z/OS Version 20.0 Related Problem: PDT 17580 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02160-D200 DESC(BATCH UNLOAD/REPORT SHORT DYNAMIC SQL TEXT LENGTH). ++VER (Z038) FMID (CPDTK00) PRE (LU01982 LU02271 LU03998 LU04231 LU04416 LU04586 LU05113 R096168 R099556 S001400 S004458 S006116 S012652 S013987 S014299 S014860 S016174) SUP (LT02286 LT05796 LT06449 LT06505 LU02286 LU05796 S006237 ST06237) ++HOLD (LU06505) SYSTEM FMID(CPDTK00) REASON (RESTART) DATE (22188) 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 * ***** To implement the PTF: 1. Stop product collections. 2. Stop the Xmanager task. </pre>

Service	Details
	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
LU06508	LU06508 M.C.S. ENTRIES = ++PTF (LU06508) ISSUE MESSAGE WHEN PROCESSING EXTERNAL STORED PROCEDURE PROBLEM DESCRIPTION: In RC/Compare for Db2 for z/OS (RCC), users may experience the following problems if external stored procedures are used in a compare strategy" 1) When creating a compare strategy using batch automap, the external stored procedures are not paired. The analysis generates Create Procedure DDL for the external stored procedure. The analysis does not issue a message to inform the user that the external stored procedure already exists on the target. 2) When external stored procedures are paired, the analysis does not issue a message to inform the user that changes to external stored procedure are not supported. SYMPTOMS: The analysis generates create procedure DDL without a Drop when the procedure already exists on the target. DDL00207 is not issued for duplicate object. The analysis does not detect any changes when external stored procedures are paired and no message is issued to inform the user that the changes to external stored procedure are not supported. IMPACT: Customer will not able to make changes to external stored procedures using RC/Compare. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Compare for DB2 for z/OS Version 20.0 Related Problem: RCC 17622 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02161-D200 DESC (ISSUE MESSAGE WHEN PROCESSING EXTERNAL STORED PROCEDURE) . ++VER (Z038) FMID (CINSK00) PRE (LU00127 LU00446 LU01118 LU03657 LU04412 LU04874 LU05739 LU05886 R096576 R097704 R099553 S000016 S001396 S004718 S004855 S006113 S006638 S007323 S007379 S007807 S009105 S011691 S011966 S012361 S012751 S012933 S013071 S013985 S014125 S014832 S015804 S016053) SUP (LT06508 S011696 ST11696) ++HOLD (LU06508) SYSTEM FMID(CINSK00) REASON (ACTION) DATE (22195) COMMENT (+-----+ Db2 Common Components Version 20.0 +-----+ SEQUENCE After Apply +-----+ +-----+ PURPOSE To create a new @DEFAULT mask which will include Procedure and Function

Service	Details
	<pre> +-----+-----+ USERS Any user of RC/Migrator who uses Batch Automap to create AFFECTED compare strategy using DB2 objects procedures or functions using @default mask. +-----+-----+ KNOWLEDGE Basic knowledge of POST-INSTALL process used to create a REQUIRED new @DEFAULT mask. +-----+-----+ ACCESS Product runtime libraries and access to PTI Mask table. REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** After apply the PTF for this problem, the following needs to be done to create a new @DEFAULT mask: 1 - Run the POST-INSTALL task option: 'RCM - Load the Automapping Mask Services Table'. 2 - This will generate a JCL job named hlq.CDBASAMP(ssid1326) 3 - Execute the JCL to create a new @DEFAULT mask. 4 - Create a new compare strategy using BATCH automap compare to compare External Stored Procedure or NSP and analyze the strategy.).</pre>

Service	Details
LU06511	LU06511 M.C.S. ENTRIES = ++PTF (LU06511) UNDERREPORTED DATA COLLECTOR ZIIP CPU TIMES IN DCCPU OUTPUT PROBLEM DESCRIPTION: SYSVIEW Performance Management Option for Db2 for z/OS might underreport the data collector zIIP CPU times in the online DCCPU command output. The correct times are reported during shutdown in the DBGPRINT output. SYMPTOMS: A mismatch between online and shutdown zIIP CPU statistics. IMPACT: The zIIP CPU times in the DCCPU command output are not reliable. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Option for Db2 for z/OS Version 20.0 Related Problem: IDB2 17393 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02163-D200 DESC(UNDERREPORTED DATA COLLECTOR ZIIP CPU TIMES IN DCCPU OUTPUT). ++VER (Z038) FMID (CIDBK00) PRE (LU00282 LU00545 LU00697 LU01041 LU01175 LU01556 LU01977 LU02033 LU02118 LU02340 LU02516 LU02634 LU02642 LU02646 LU02708 LU03023 LU03091 LU03252 LU03286 LU03435 LU03929 LU04287 LU04374 LU04411 LU04566 LU04803 LU05224 LU05687 LU06045 LU06100 LU06161 LU06188 LU06265 R096575 R097703 R099552 S001395 S004454 S006112 S006862 S007806 S008846 S009556 S010160 S010906 S011465 S011616 S012769 S012896 S013557 S013891 S014016 S014099 S014642 S014754 S015070 S015647 S015931 S016116 S016300) SUP (LT01035 LT02439 LT04222 LT05879 LT06335 LT06511 LU01035 LU02439 LU04222 LU05879 S009055 S012078 ST06087 ST09055 ST12078 ST16189 TR98613) CSECT (AMXSSXPC,AMXSSXPM,ESTAERTN,POSTME) .

Service	Details
LU06515	LU06515 M.C.S. ENTRIES = ++PTF (LU06515) PFR0184E ERROR DURING ACCUMULATE OF PBR2 TABLESPACES PROBLEM DESCRIPTION: Fast Recover for Db2 for z/OS (PFR) may fail with the error PFR0184E during ACCUMULATE of PBR2 tablespaces with USE-CHANGE-ACCUM YES. PFR0184E - ERROR OCCURED DURING LOG SORT, CHECK SORT MESSAGES SYMPTOMS: PFR job fails with the error PFR0184E and RC=8. IMPACT: ACCUMULATE of PBR2 tablespaces with USE-CHANGE-ACCUM YES cannot be performed. CIRCUMVENTION: Use USE-CHANGE-ACCUM NO to perform ACCUMULATE of PBR2 tablespaces. PRODUCT(S) AFFECTED: Fast Recover for Db2 for z/OS (PFR) Version 20.0 Related Problem: PFR 17536 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02164-D200 DESC(PFR0184E ERROR DURING ACCUMULATE OF PBR2 TABLESPACES) . ++VER (Z038) FMID (CUGRK00) PRE (LU00728 LU04435 LU05850 R096595 R099574 S000029 S000788 S001660 S004251 S006132 S007826 S008280 S012155 S014568) SUP (LT00152 LT06515 LU00152)

Service	Details
LU06524	LU06524 M.C.S. ENTRIES = ++PTF (LU06524) The following items are included in this solution: 1. SECURITY OR INTEGRITY PROBLEM 2. SECURITY OR INTEGRITY PROBLEM 3. SECURITY OR INTEGRITY PROBLEM ===== 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: Log Analyzer for Db2 for z/OS Version 20.0 Related Problem: PLA 17369 ===== 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: Utility General Recovery Version 20.0 Related Problem: PMM 17371 ===== 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

Service	Details
	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: Recovery Analyzer for Db2 for z/OS Version 20.0 Related Problem: PRA 17370 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02165-D200 DESC (SECURITY OR INTEGRITY PROBLEM) . ++VER (Z038) FMID (CPLAK00) PRE (LU04419 LU06217 R099559 S000975 S004245 S004461 S008802 S011669 S012889) SUP (BC13695 LT06524 S013234 ST13234) ++IF FMID(CPRAK00) REQ(LU06525) . ++IF FMID(CUGRK00) REQ(LU06526) .

Service	Details
LU06525	LU06525 M.C.S. ENTRIES = ++PTF (LU06525) The following items are included in this solution: 1. SECURITY OR INTEGRITY PROBLEM 2. SECURITY OR INTEGRITY PROBLEM 3. SECURITY OR INTEGRITY PROBLEM ===== 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: Log Analyzer for Db2 for z/OS Version 20.0 Related Problem: PLA 17369 ===== 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: Utility General Recovery Version 20.0 Related Problem: PMM 17371 ===== 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

Service	Details
	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: Recovery Analyzer for Db2 for z/OS Version 20.0 Related Problem: PRA 17370 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02165-D200 DESC (SECURITY OR INTEGRITY PROBLEM) . ++VER (Z038) FMID (CPRAK00) PRE (LU03706 LU04421 S009714) SUP (BC03741 LT06525) ++IF FMID(CPLAK00) REQ(LU06524) . ++IF FMID(CUGRK00) REQ(LU06526) .

Service	Details
LU06526	LU06526 M.C.S. ENTRIES = ++PTF (LU06526) The following items are included in this solution: 1. SECURITY OR INTEGRITY PROBLEM 2. SECURITY OR INTEGRITY PROBLEM 3. SECURITY OR INTEGRITY PROBLEM ===== 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: Log Analyzer for Db2 for z/OS Version 20.0 Related Problem: PLA 17369 ===== 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: Utility General Recovery Version 20.0 Related Problem: PMM 17371 ===== 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

Service	Details
	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: Recovery Analyzer for Db2 for z/OS Version 20.0 Related Problem: PRA 17370 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02165-D200 DESC (SECURITY OR INTEGRITY PROBLEM) . ++VER (Z038) FMID (CUGRK00) PRE (LU04435 R099574 S000029 S001418 S012155) SUP (EC06071 LT06526) ++IF FMID(CPLAK00) REQ(LU06524) . ++IF FMID(CPRAK00) REQ(LU06525) .

Service	Details
LU06541	LU06541 M.C.S. ENTRIES = ++PTF (LU06541) RECOVERY ESTIMATOR MISSING SQL ERROR MESSAGES WITH EST2021E PROBLEM DESCRIPTION: The RECOVERY ESTIMATOR does not show the correct SQL error messages when ending with a RC=8 and error message EST2021E is issued when specifying the following: VERIFY-DATASETS LOGS or VERIFY-DATASETS COPIES OR VERIFY-DATASETS ALL. EST2021E - SQL error with code 0. (Db2Reader::Is_Catalogged()) SYMPTOMS: THE RECOVERY ESTIMATOR ends with RC=8 and error message EST2021E is issued without further SQL error messages. IMPACT: Appropriate SQL error messages are not shown when an error occurs making it harder to diagnose and fix the problem. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA DBM Solutions for DB2 for z/OS Base Install Version 20.0 Related Problem: INS 17579 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02166-D200 DESC(RECOVERY ESTIMATOR MISSING SQL ERROR MESSAGES WITH EST2021E). ++VER (Z038) FMID (CINSK00) PRE (LU00227 LU01178 LU01405 LU01696 LU02061 LU02117 LU02197 LU02363 LU02609 LU03520 LU04369 LU04412 S015311 S015864) SUP (LT02060 LT06541) ++HOLD (LU06541) SYSTEM FMID(CINSK00) REASON (DB2BIND) DATE (22203) 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. </pre>

Service	Details
	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
LU06546	LU06546 M.C.S. ENTRIES = ++PTF (LU06546) INCREMENTAL IMAGE COPY SUPPORT IN PUR FROM THE SOURCE AFTER ENHANCEMENT DESCRIPTION: Log Analyzer for Db2 for z/OS (PLA) Partial Update Reconstruction (PUR) from the source after now benefits from using incremental image copies. This limits the amount of Db2 log to be read on behalf of PUR. PRODUCT(S) AFFECTED: Log Analyzer for Db2 for z/OS Version 20.0 Related Problem: PLA 17153 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02167-D200 DESC(INCREMENTAL IMAGE COPY SUPPORT IN PUR FROM THE SOURCE AFTER). ++VER (Z038) FMID (CPLAK00) PRE (LU00132 LU00138 LU00238 LU00597 LU00725 LU01538 LU01950 LU01985 LU02230 LU02381 LU03250 LU04419 LU06217 R099559 S000975 S004245 S006868 S007813 S008008 S008802 S008870 S009083 S009333 S010677 S011113 S011669 S012889 S012900 S013625 S013879) SUP (LT06546)

Service	Details
LU06547	LU06547 M.C.S. ENTRIES = ++PTF (LU06547) USE READ-ONLY ACCESS TO HSTSQLDB IN IDB2UIFI UNLOAD ENHANCEMENT DESCRIPTION: The SYSVIEW Performance Management Option for Db2 for z/OS unload utility (IDB2UIFI) now accesses the history SQL text database VSAM file in read-only mode. Users running the unload utility are no longer required to have the UPDATE permission for the SQL text database VSAM file. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Option for Db2 for z/OS Version 20.0 Related Problem: IDB2 17454 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02168-D200 DESC(USE READ-ONLY ACCESS TO HSTSQLDB IN IDB2UIFI UNLOAD). ++VER (Z038) FMID (CIDBK00) PRE (LU02118 LU03348 LU04411 LU05098 R099552 S001395 S006112 S006862 S008846 S010160 S015070) SUP (LT06547)

Service	Details
LU06553	LU06553 M.C.S. ENTRIES = ++PTF (LU06553) The following items are included in this solution: 1. ACCOUNTING RECORD FILTERING IN HISTORY FILE LOAD 2. PACKAGE INFORMATION MISSING IN HISTORY-ONLY DC ===== ACCOUNTING RECORD FILTERING IN HISTORY FILE LOAD ENHANCEMENT DESCRIPTION: SYSVIEW Performance Management Option for Db2 for z/OS history load utility (IDB2UIFI) now allows specifying a GLOBALS WHERE clause. The GLOBALS WHERE condition allows the user to specify a subset of the accounting records to be loaded into the history VSAM file. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Option for Db2 for z/OS Version 20.0 Related Problem: IDB2 17138 ===== PACKAGE INFORMATION MISSING IN HISTORY-ONLY DC PROBLEM DESCRIPTION: SYSVIEW Performance Management Option for Db2 for z/OS Online Thread History panels do not show information about thread packages when the Data Collector is running in the History-Only mode. The Data Collector does not process IFCID 239 records present in the history VSAM file when the VSAM file is loaded from an SMF data set that 1) has been sorted, or 2) comes from an unloaded system SMF stream. SYMPTOMS: The Package History List screen (R/HTPKGS) is blank even for threads that did execute static SQL statements. IMPACT: Package history information is not available in the History-Only mode. CIRCUMVENTION: If the History-Only DC is used to browse a single SMF data set unloaded from an online DC history VSAM file, you can omit the sort step and load this SMF data set directly to the History-Only DC history VSAM file. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Option for Db2 for z/OS Version 20.0 Related Problem: IDB2 17614 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02169-D200 DESC(ACCOUNTING RECORD FILTERING IN HISTORY FILE LOAD). ++VER (Z038) FMID (CIDBK00) PRE (LU00299 LU01041 LU01556 LU01977 LU02093 LU02096 LU02118 LU02516 LU02800 LU03286 LU03348 LU04411 LU05006 LU05224 LU05271 LU05497 LU06229 LU06285 R096575 R099552 S001395 S004454 S006112 S006862 S007806 S008846 S009519 S009556 S010160 S010906 S011616 S011977 S012769 S013891 S014016 S014164 S014389 S014642 S014923 S015070 S015254 S016116 S016200) SUP (LT04027 LT05767 LT06090 LT06553 LU04027 LU05767)

Service	Details
LU06568	LU06568 M.C.S. ENTRIES = ++PTF (LU06568) The following items are included in this solution: 1. UPDATE PRA PANELS FOR VERSION STRING 2. UPDATE PMM PANELS FOR VERSION STRING ===== UPDATE PRA PANELS FOR VERSION STRING ENHANCEMENT DESCRIPTION: Recovery Analyzer for Db2 for z/OS (PRA) has been updated to display the Level Set value as the modification level (mm) in the new product version string (vv.rr.mm). Previously, the version string included only the product version and release number (vv.r). The addition of the Level Set value helps you to better understand what maintenance level has been applied at your site. PRODUCT(S) AFFECTED: Recovery Analyzer for Db2 for z/OS Version 20.0 Related Problem: PRA 17618 ===== UPDATE PMM PANELS FOR VERSION STRING ENHANCEMENT DESCRIPTION: Merge/Modify for Db2 for z/OS (PMM) has been updated to display the Level Set value as the modification level (mm) in the new product version string (vv.rr.mm). Previously, the version string included only the product version and release number (vv.r). The addition of the Level Set value helps you to better understand what maintenance level has been applied at your site. PRODUCT(S) AFFECTED: Merge/Modify for Db2 for z/OS Version 20.00 Related Problem: PMM 17664 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02170-D200 DESC(UPDATE PRA PANELS FOR VERSION STRING) . ++VER (Z038) FMID (CINSK00) PRE (LU04412) SUP (LT06568) ++IF FMID(CPRAK00) REQ(LU06569) . ++IF FMID(CUGRK00) REQ(LU06570) .

Service	Details
LU06569	LU06569 M.C.S. ENTRIES = ++PTF (LU06569) The following items are included in this solution: 1. UPDATE PRA PANELS FOR VERSION STRING 2. UPDATE PMM PANELS FOR VERSION STRING ===== UPDATE PRA PANELS FOR VERSION STRING ENHANCEMENT DESCRIPTION: Recovery Analyzer for Db2 for z/OS (PRA) has been updated to display the Level Set value as the modification level (mm) in the new product version string (vv.rr.mm). Previously, the version string included only the product version and release number (vv.r). The addition of the Level Set value helps you to better understand what maintenance level has been applied at your site. PRODUCT(S) AFFECTED: Recovery Analyzer for Db2 for z/OS Version 20.0 Related Problem: PRA 17618 ===== UPDATE PMM PANELS FOR VERSION STRING ENHANCEMENT DESCRIPTION: Merge/Modify for Db2 for z/OS (PMM) has been updated to display the Level Set value as the modification level (mm) in the new product version string (vv.rr.mm). Previously, the version string included only the product version and release number (vv.r). The addition of the Level Set value helps you to better understand what maintenance level has been applied at your site. PRODUCT(S) AFFECTED: Merge/Modify for Db2 for z/OS Version 20.00 Related Problem: PMM 17664 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02170-D200 DESC(UPDATE PRA PANELS FOR VERSION STRING) . ++VER (Z038) FMID (CPRAK00) PRE (LU00336 LU01181 LU01987 LU03706 LU04421 LU04880 LU05140 LU06400 LU06432 R097711 R099561 S000022 S001405 S004246 S004463 S004796 S006121 S007906 S008922 S009714 S010817) SUP (LT01171 LT06569 S008012 ST01242 ST04790 ST08012) ++IF FMID(CINSK00) REQ(LU06568) . ++IF FMID(CUGRK00) REQ(LU06570) .

Service	Details
LU06570	LU06570 M.C.S. ENTRIES = ++PTF (LU06570) The following items are included in this solution: 1. UPDATE PRA PANELS FOR VERSION STRING 2. UPDATE PMM PANELS FOR VERSION STRING ===== UPDATE PRA PANELS FOR VERSION STRING ENHANCEMENT DESCRIPTION: Recovery Analyzer for Db2 for z/OS (PRA) has been updated to display the Level Set value as the modification level (mm) in the new product version string (vv.rr.mm). Previously, the version string included only the product version and release number (vv.r). The addition of the Level Set value helps you to better understand what maintenance level has been applied at your site. PRODUCT(S) AFFECTED: Recovery Analyzer for Db2 for z/OS Version 20.0 Related Problem: PRA 17618 ===== UPDATE PMM PANELS FOR VERSION STRING ENHANCEMENT DESCRIPTION: Merge/Modify for Db2 for z/OS (PMM) has been updated to display the Level Set value as the modification level (mm) in the new product version string (vv.rr.mm). Previously, the version string included only the product version and release number (vv.r). The addition of the Level Set value helps you to better understand what maintenance level has been applied at your site. PRODUCT(S) AFFECTED: Merge/Modify for Db2 for z/OS Version 20.00 Related Problem: PMM 17664 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02170-D200 DESC(UPDATE PRA PANELS FOR VERSION STRING) . ++VER (Z038) FMID (CUGRK00) PRE (LU01998 LU04435 LU04961 R099574 S006879) SUP (LT06570) ++IF FMID(CINSK00) REQ(LU06568) . ++IF FMID(CPRAK00) REQ(LU06569) .

Service	Details
LU06576	LU06576 M.C.S. ENTRIES = ++PTF (LU06576) ADD IMPLICIT DATABASE SUPPORT FOR RCM, RCC, AND RCU ENHANCEMENT DESCRIPTION: RC/Migrator for Db2 for z/OS (RCM), RC/Compare for Db2 for z/OS (RCC), and RC/Update for Db2 for z/OS (RCU) have been enhanced to recognize and exploit implicitly created databases. PRODUCT(S) AFFECTED: RC/Migrator for Db2 for z/OS Version 20.0 RC/Compare for Db2 for z/OS Version 20.0 RC/Update for Db2 for z/OS Version 20.0 Related Problem: RCM 16166 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02171-D200 DESC(ADD IMPLICIT DATABASE SUPPORT FOR RCM, RCC, AND RCU). ++VER (Z038) FMID (CINSK00) PRE (LU00426 LU00432 LU00446 LU00530 LU00914 LU01039 LU01106 LU01705 LU01927 LU01978 LU02279 LU02345 LU03142 LU03314 LU03657 LU03838 LU03856 LU03923 LU04084 LU04094 LU04136 LU04149 LU04412 LU04458 LU04463 LU04488 LU04573 LU04813 LU04874 LU04930 LU04950 LU05089 LU05111 LU05156 LU05162 LU05242 LU05382 LU05629 LU05739 LU05886 LU06046 LU06412 LU06508 R096576 R097704 R099553 S000016 S001396 S001896 S004455 S004718 S004855 S005199 S006113 S006286 S006638 S006863 S007323 S007379 S007807 S007955 S008278 S008606 S008662 S008859 S008957 S009105 S009356 S009417 S009461 S009799 S009860 S010004 S010760 S010974 S011231 S011691 S011866 S011966 S012147 S012361 S012650 S012751 S012817 S012933 S013071 S013193 S013484 S013985 S014125 S014282 S014615 S014716 S014832 S015804 S015998) SUP (AR97704 AS01396 BS07379 CS07379 LT00127 LT00399 LT00568 LT00613 LT00639 LT00930 LT00968 LT00989 LT01118 LT01151 LT01357 LT01376 LT01508 LT01694 LT01999 LT02053 LT02212 LT02420 LT02945 LT03259 LT03291 LT03391 LT03603 LT04167 LT04483 LT04529 LT04654 LT04746 LT05109 LT05142 LT05278 LT05331 LT05359 LT05590 LT05764 LT05982 LT05989 LT06052 LT06115 LT06117 LT06172 LT06321 LT06407 LT06430 LT06576 LU00127 LU00399 LU00568 LU00613 LU00639 LU00968 LU00989 LU01118 LU01151 LU01357 LU01376 LU01508 LU01694 LU01999 LU02053 LU02212 LU02420 LU02945 LU03259 LU03291 LU03391 LU04167 LU04483 LU04529 LU04654 LU04746 LU05109 LU05142 LU05278 LU05331 LU05359 LU05590 LU05764 LU05989 LU06052 LU06115 LU06117 LU06172 LU06321 LU06407 LU06430 R099748 S000343 S001905 S005237 S007856 S008051 S008198 S008202 S008262 S008291 S008414 S008684 S008856 S009033 S009126 S009546 S009602 S009790 S009839 S009893 S010021 S010046 S010080 S010331 S010437 S010512 S010631 S010763 S010815 S010827 S010948 S010978 S011048 S011255 S011696 S011737 S011806 S011942 S011988 S012031 S012042 S012164 S012249 S012268 S012524 S012792 S012829 S012994 S013149 S013154 S013229 S013352 S013539 S013794 S013814 S013878 S013930

Service	Details
	SO13974 SO14623 SO15444 SO15449 SO15506 SO15613 SO16024 SO16031 SO16053 SO16088 SO16176 ST00343 ST01905 ST05065 ST05237 ST07198 ST07444 ST07856 ST08051 ST08198 ST08202 ST08262 ST08291 ST08314 ST08395 ST08414 ST08684 ST08760 ST08780 ST08856 ST08916 ST08965 ST09031 ST09033 ST09126 ST09530 ST09546 ST09565 ST09602 ST09790 ST09791 ST09839 ST09893 ST10021 ST10046 ST10080 ST10331 ST10437 ST10512 ST10631 ST10763 ST10815 ST10827 ST10948 ST10978 ST11048 ST11255 ST11648 ST11696 ST11737 ST11806 ST11942 ST11988 ST12031 ST12042 ST12164 ST12249 ST12268 ST12511 ST12524 ST12792 ST12829 ST12994 ST13149 ST13154 ST13229 ST13352 ST13539 ST13794 ST13814 ST13878 ST13930 ST13974 ST14623 ST15444 ST15449 ST15506 ST15613 ST16011 ST16024 ST16031 ST16053 ST16088 ST16176 TR99748) ++IF FMID(CRCUK00) REQ(LU06577). ++HOLD (LU06576) SYSTEM FMID(CINSK00) REASON (DB2BIND) DATE (22201) 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. +-----+ ***** * 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.). ++HOLD (LU06576) SYSTEM FMID(CINSK00) REASON (MSGSKEL) DATE (22201) COMMENT (+-----+ Db2 Common Components 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 (RMA@CSTA,RMA@@XT1,RMA@@XT2,RMA@@XT3,RMA@@XT4,RMA@@XT5,RMA@@XT6, RMA@@XT7) . CSECT (RMA@REP,HEADER2,PAIRHDR2,PAIRHD2V,PAIRHD2A,PAIRH2AV,PAIRHDR3, PAIRHD3V,NDELHDR2,NDELHDR3,EQUALLIN,NOCHGLIN,END_LINE,UNEWHC,EDROPHC, PUNPRC,SHDRC,CHDRC,LSRCAC,LTRGAC) . CSECT (RMA@REP5,PAIRHD5A,PAIRHD5B,PAIRHD5C,NDELHD5A,NDELHD5B,UNEWHC5, EDROPC) . CSECT (ROATALT,ROXTALT,COUNTCOL,ROATVDEL,TALT_TBS) . </pre>

Service	Details						
LU06577	LU06577 M.C.S. ENTRIES = ++PTF (LU06577) ADD IMPLICIT DATABASE SUPPORT FOR RCM, RCC, AND RCU ENHANCEMENT DESCRIPTION: RC/Migrator for Db2 for z/OS (RCM), RC/Compare for Db2 for z/OS (RCC), and RC/Update for Db2 for z/OS (RCU) have been enhanced to recognize and exploit implicitly created databases. PRODUCT(S) AFFECTED: <table> <tr> <td>RC/Migrator for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>RC/Compare for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>RC/Update for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: RCM 16166 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02171-D200 DESC(ADD IMPLICIT DATABASE SUPPORT FOR RCM, RCC, AND RCU). ++VER (Z038) FMID (CRCUK00) PRE (LU03663 LU04432) SUP (LT06577) ++IF FMID(CINSK00) REQ(LU06576).	RC/Migrator for Db2 for z/OS	Version 20.0	RC/Compare for Db2 for z/OS	Version 20.0	RC/Update for Db2 for z/OS	Version 20.0
RC/Migrator for Db2 for z/OS	Version 20.0						
RC/Compare for Db2 for z/OS	Version 20.0						
RC/Update for Db2 for z/OS	Version 20.0						

Service	Details
LU06584	LU06584 M.C.S. ENTRIES = ++PTF (LU06584) ABEND SOC4-011 IN RALRTOS IF OBJECT SELECTION PROFILES USED PROBLEM DESCRIPTION: Database Analyzer for Db2 for z/OS (PDA) may ABEND with a SOC4-11 code in module RALRTOS, when an Extract Procedure is using Real Time Object Selection (OBJECT SELECTION MODE = A - Action Oriented) and the Object Selection Profile (OSP). SYMPTOMS: The job abends with the following symptom dump: SYSTEM COMPLETION CODE=0C4 REASON CODE=00000011 TIME=hh.mm.ss SEQ=nnnnn CPU=0000 ASID=asid PSW AT TIME OF ERROR 078D2000 A2D369FA ILC 6 INTC 11 ACTIVE MODULE ADDRESS=00000000_22CF1000 OFFSET=000459FA NAME=RALRTOS DATA AT PSW 22D369F4 - A7DA4A50 C14CD203 5000ABF4 GR 0: 000000FF 1: 0000006F 2: 00000000 3: 22CF0E80 4: 0011C178 5: 22D51FFD 6: 22CF03B8 7: 000003D7 8: 00000000 9: 22D3720C A: 22D3620C B: 22B5DE80 C: A2CF2008 D: A2CF1008 E: 22D51F8D F: 22CF06B8 END OF SYMPTOM DUMP The OFFSET may vary depending on the maintenance level. In the PTIMSG output, the processing is disrupted during the Real Time Object Selection phase after defining global temp table and indexes for RTOS processing. IMPACT: The job fails and the maintenance JCL is not generated. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Database Analyzer for Db2 for z/OS Version 20.0 Related Problem: PDA 17734 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02172-D200 DESC (ABEND SOC4-011 IN RALRTOS IF OBJECT SELECTION PROFILES USED). ++VER (Z038) FMID (CPDAK00) PRE (LU00146 LU00314 LU01626 LU02095 LU02456 LU04415 LU04989 LU06141 LU06301 LU06307 R099555 S000017 S009652 S010042 S014175) SUP (LT06584)

Service	Details
LU06590	LU06590 M.C.S. ENTRIES = ++PTF (LU06590) INCORRECT LOB DEFAULT VALUES / SOC9 IN UTL\$MGT WITH DISCARDS PROBLEM DESCRIPTION: 1. Fast Load for Db2 for z/OS (PFL) may load inline LOB default values incorrectly. 2. PFL abends with SOC9 code discarding partitioned (non-UTS) tablespace records. SYMPTOMS: 1. Default values for inline LOBs are loaded incorrectly. 2. SOC9 abend in UTL\$MGT. IMPACT: 1. Default values for inline LOBs are loaded incorrectly. 2. Processing fails. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Fast Load for Db2 for z/OS Version 20.0 Related Problem: PFL 17517 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02173-D200 DESC(INCORRECT LOB DEFAULT VALUES / SOC9 IN UTL\$MGT WITH DISCARDS). ++VER (Z038) FMID (CPFLK00) PRE (LU02243 LU04417 S000018 S010752 S011996 S012150) SUP (LT06510 LT06590) ++IF FMID(CPUTK00) REQ(LU06591).

Service	Details
LU06591	LU06591 M.C.S. ENTRIES = ++PTF (LU06591) INCORRECT LOB DEFAULT VALUES / SOC9 IN UTL\$MGT WITH DISCARDS PROBLEM DESCRIPTION: 1. Fast Load for Db2 for z/OS (PFL) may load inline LOB default values incorrectly. 2. PFL abends with SOC9 code discarding partitioned (non-UTS) tablespace records. SYMPTOMS: 1. Default values for inline LOBs are loaded incorrectly. 2. SOC9 abend in UTL\$MGT. IMPACT: 1. Default values for inline LOBs are loaded incorrectly. 2. Processing fails. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Fast Load for Db2 for z/OS Version 20.0 Related Problem: PFL 17517 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02173-D200 DESC(INCORRECT LOB DEFAULT VALUES / SOC9 IN UTL\$MGT WITH DISCARDS). ++VER (Z038) FMID (CPUTK00) PRE (LU04427 LU05535 LU05884 S000024 S008879 S009854 S011238 S011999 S012153 S014035 S015486) SUP (LT06591) ++IF FMID(CPFLK00) REQ(LU06590).

Service	Details																						
LU06596	LU06596 M.C.S. ENTRIES = ++PTF (LU06596) PDT0736 DETECTOR DEFERRED CLEANUP AND ECSA SHORTAGE PROBLEM DESCRIPTION: Detector for Db2 for z/OS (PDT) can cause a memory leak of ECSA storage during a deferred cleanup that occurs during collection interval switch or termination. SYMPTOMS: ECSA storage continues to grow and does not get released. IMPACT: The lost ECSA storage is LPAR in scope and can only be recovered with an IPL. CIRCUMVENTION: Avoid repeated starting/stopping of PDT collections during heavy SQL processing. PRODUCT(S) AFFECTED: Detector for Db2 for z/OS Version 20.0 Related Problem: PDT 17434 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02174-D200 DESC(PDT0736 DETECTOR DEFERRED CLEANUP AND ECSA SHORTAGE). ++VER (Z038) FMID (CPDTK00) PRE (LU00124 LU00524 LU00549 LU00768 LU00938 LU01542 LU02944 LU03461 LU03710 LU03809 LU03917 LU04231 LU04356 LU04416 LU04795 LU05127 LU05152 LU06112 R096580 R098429 S001400 S003942 S004458 S004757 S006116 S006334 S007810 S010521 S010908 S011694 S013889 S014338 S014397 S014782 S016174) SUP (AL03917 DC97644 LT04339 LT05875 LT06596 LU04339 LU05875) ++HOLD (LU06596) SYSTEM FMID(CPDTK00) REASON (RESTART) DATE (22201) COMMENT (<table> <tr> <td>Detector for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> ----- <table> <tr> <td>SEQUENCE</td><td>Before Apply</td></tr> </table> ----- <table> <tr> <td>PURPOSE</td><td>Avoidance of module mismatch related errors in an Xmanager</td></tr> </table> ----- <table> <tr> <td>USERS</td><td>Collections of Db2 statistics via Detector or Subsystem</td></tr> <tr> <td>AFFECTED</td><td>Analyzer.</td></tr> <tr> <td></td><td>Db2 subsystems that have active collections.</td></tr> </table> ----- <table> <tr> <td>KNOWLEDGE</td><td>1. SMP/E</td></tr> <tr> <td>REQUIRED</td><td>2. z/OS System Programming</td></tr> <tr> <td></td><td>3. Db2 Tools Installation and Maintenance procedures.</td></tr> </table> ----- <table> <tr> <td>ACCESS</td><td>1. Product runtime libraries.</td></tr> <tr> <td>REQUIRED</td><td></td></tr> </table> ----- ***** * STEPS TO PERFORM *	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	
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																							

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
LU06601	LU06601 M.C.S. ENTRIES = ++PTF (LU06601) ALTER TABLESPACE DDL IN WRONG ORDER IF TS CONVERTED TO UTS PROBLEM DESCRIPTION: When using RC/Migrator for Db2 for z/OS (RCM) to convert a regular partitioned tablespace to a UTS, the Alter DDL generated by the analysis are in wrong sequences and the execution fails with sqlcode -650. The generated DDL are as follows: <pre>- ALTER TABLESPACE <DBname>.<TSname> DSSIZE nG; - ALTER INDEX <IXcreator>.<IXname> NOT CLUSTER; - ALTER INDEX <IXcreator>.<IXname> CLUSTER; - ALTER TABLESPACE <DBname>.<TSname> SEGSIZE nn;</pre> SYMPTOMS: The execution of the alter tablespace DDL which alters the DSSIZE fails with the following SQL error: <pre>DSNT408I SQLCODE = -650, ERROR: THE ALTER STATEMENT CANNOT BE EXECUTED, REASON 7 DSNT418I SQLSTATE = 56090 SQLSTATE RETURN CODE DSNT415I SQLERRP = DSNXIATS SQL PROCEDURE DETECTING ERROR DSNT416I SQLERRD = 615 0 0 -1 0 0 SQL DIAGNOSTIC INFORMATION DSNT416I SQLERRD = X'00000267' X'00000000' X'00000000' X'FFFFFFF' X'00000000' X'00000000' SQL DIAGNOSTIC INFORMATION</pre> IMPACT: The users will not be able to convert the tablespace to UTS. CIRCUMVENTION: Edit the script and move the DSSIZE alter after the SEGSIZE alter. PRODUCT(S) AFFECTED: RC/Migrator for Db2 for z/OS Version 20.0 Related Problem: RCM 17749 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02175-D200 DESC(ALTER TABLESPACE DDL IN WRONG ORDER IF TS CONVERTED TO UTS). ++VER (Z038) FMID (CINSK00) PRE (LU00446 LU04412 LU05886 R096576 R099553 S012361 S012933 S014832 S015804) SUP (LT06601)

Service	Details												
LU06606	LU06606 M.C.S. ENTRIES = ++PTF (LU06606) The following items are included in this solution: 1. XMANAGERS CANNOT BE STARTED MESSAGE PXM1021 "NOT ALLOCATED" 2. XMANAGER FAILS UPON STARTUP PXM1039 CSLLVLST NOT FOUND ===== XMANAGERS CANNOT BE STARTED MESSAGE PXM1021 "NOT ALLOCATED" PROBLEM DESCRIPTION: The Xmanagers (PXM) in a coupling facility (CF) group cannot be started when all of the following conditions are true: - The Xmanager uses parameter XSYS=Y. - The CF list structure has been deallocated. A reset of the CF, such as a power on reset, can deallocate the list structure. - The CF list structure was then reallocated using the post-install CF list structure allocation utility. - The active Level Set of the Xmanager the last time it was executed was greater than 20.0.00. - One or more Xmanagers have a non-ACTIVE member status in the CF group. SYMPTOMS: When you attempt to start an Xmanager in the CF group, message PXM1021 is issued in error, with a CF list structure status of NOT ALLOCATED. For example: PXM1021 XMANAGER CF LIST STRUCTURE WAS NOT ALLOCATED WHEN OTHER ===== ACTIVE XMANAGERS WERE STARTED XMID=XXXX The output of the "D XCF,GROUP,<xman group>,ALL" command shows members with a status other than ACTIVE. For example: IXC333I 15.17.42 DISPLAY XCF 645 INFORMATION FOR GROUP PXM2000 <table><tr><td>MEMBER NAME:</td><td>SYSTEM:</td><td>JOB ID:</td><td>STATUS:</td></tr><tr><td>XMAN0144CA31</td><td>CA31</td><td>PTXJJG20</td><td>FAILED</td></tr><tr><td>XMAN2045CA31</td><td>CA31</td><td>IDB2XMAW</td><td>FAILED</td></tr></table> IMPACT: The Xmanagers cannot be started. CIRCUMVENTION: This section provides two circumventions. The first one describes how to prevent this problem from occurring. The second one describes how to resolve the problem if it has already occurred. To prevent the problem from occurring, make sure that all Xmanagers in the CF group have successfully left the group before you perform any process that will deallocate the CF list structure (such as a power on reset). Follow these steps to verify that the Xmanagers have left the group: 1. Shut down all ACTIVE Xmanagers in the SYSPLEX. 2. Identify the CF groups for all of your Xmanagers. The group is specified by the Xmanager GROUP parameter. If not specified, it defaults to PXM2000. The parameter can be specified in the EXEC PGM=PXMINICC PARM or the CDBAPXMP XMANPARM member that is in use. The group can also be identified from message PXM4710 in the JOBLLOG for the Xmanager the last time it ran successfully. 3. Issue the following operator command for each CF group that you identified in step 2: D XCF,GROUP,<group>,ALL	MEMBER NAME:	SYSTEM:	JOB ID:	STATUS:	XMAN0144CA31	CA31	PTXJJG20	FAILED	XMAN2045CA31	CA31	IDB2XMAW	FAILED
MEMBER NAME:	SYSTEM:	JOB ID:	STATUS:										
XMAN0144CA31	CA31	PTXJJG20	FAILED										
XMAN2045CA31	CA31	IDB2XMAW	FAILED										

Service	Details
	If all Xmanagers left the group successfully, the command output will display message IXC340I. For example: <pre>IXC340I 11.22.32 DISPLAY XCF 834 GROUP '<group>' IS NOT DEFINED TO THIS SYSPLEX</pre> In this case, all is good and nothing more needs to be done. You can safely perform the process that will deallocate the CF list structure (such as a power on reset). You should be able to restart the Xmanagers afterward without any problems. If any Xmanagers did not leave the group successfully, the command output displays message IXC333I, which lists the group members. For example: <pre>IXC333I 12.54.15 DISPLAY XCF 604 INFORMATION FOR GROUP PXM2000 MEMBER NAME: SYSTEM: JOB ID: STATUS: XMAN0144CA31 CA31 PTXJJG20 FAILED =====</pre> Positions 5 through 8 of the member name indicate the XMANID. (In this example, 0144.) The output also shows the LPAR that the Xmanager executed on, the Xmanager jobname, and the Xmanager status. 4. Start each Xmanager in the IXC333I message on its LPAR. The Xmanager connects to the group. Then shut down the Xmanager. It leaves the group and removes its information from the group. 5. Repeat step 3 to make sure message IXC340I is issued. You can safely perform the process that will deallocate the CF list structure (such as a power on reset). You should be able to restart the Xmanagers afterward without any problems. If the problem has already occurred, you must resolve the status of all Xmanagers in the CF group that have a status other than ACTIVE, and remove those Xmanagers from the group so that the group is in a NOT DEFINED state. You will use the IBM IXCDELET utility to remove the members. This utility is documented in "Chapter 13. Deletion utility for XCF group members" of IBM manual "z/OS MVS Setting Up a Sysplex". Please refer to that documentation for the utility and security requirements. Follow these steps to resolve the problem: 1. Do NOT start any Xmanagers in the CF group until this cleanup process is completed. 2. Identify the CF groups for all of your Xmanagers. The group is specified by the Xmanager GROUP parameter. If not specified, it defaults to PXM2000. The parameter can be specified in the EXEC PGM=PXMINICC PARM or the CDBAPXMP XMANPARM member that is in use. The group can also be identified from message PXM4710 in the JOBLLOG for the Xmanager the last time it ran successfully. 3. Issue the following operator command for each CF group that you identified in step 2: <pre>D XCF,GROUP,<group>,ALL</pre> The resulting IXC333I message lists the members of the group. For example: <pre>IXC333I 12.54.15 DISPLAY XCF 604 INFORMATION FOR GROUP PXM2000 MEMBER NAME: SYSTEM: JOB ID: STATUS: XMAN2000CA11 CA11 PTXRUN20 ACTIVE XMAN0144CA31 CA31 PTXJJG20 FAILED</pre>

Service	Details
	==== Positions 5 through 8 of the member name indicate the XMANID. (In this example, 2000 and 0144.) The message also shows the LPAR that the Xmanager executed on, the Xmanager jobname, and the Xmanager status. 4. Shut down all ACTIVE Xmanagers in the group. 5. Execute the IBM IXCDELET utility for each remaining non-ACTIVE Xmanager. CAUTION: The GROUP and MEMBER NAME supplied to the utility MUST be an Xmanager GROUP and MEMBER. The MEMBER NAME will begin with the four-byte literal "XMAN" followed by the four-digit XMANID and then the eight-byte LPAR name. Retrieve the GROUP and MEMBER NAMES from the command output in step 3. 6. Issue the following operator command again: D XCF,GROUP,<group>,ALL Because you shut down the ACTIVE members and resolved all non-ACTIVE members, you should see the following command output: IXC340I 11.22.32 DISPLAY XCF 834 GROUP '<group>' IS NOT DEFINED TO THIS SYSPLEX If you see message IXC333I instead, return to step 3 and repeat the necessary steps. 7. The Xmanagers in the group can now be restarted. When they start, they will connect to the group. PRODUCT(S) AFFECTED: Db2 Common Components Version 20.0 Related Problem: PXM 17461 ===== XMANAGER FAILS UPON STARTUP PXM1039 CSLLVLST NOT FOUND PROBLEM DESCRIPTION: The required load module CSLLVLST was not found during Xmanager (PXM) initialization. SYMPTOMS: The following message is issued: PXM1039 XMANAGER ERROR OCCURRED. THE LEVEL SET LOAD MODULE CSLLVLST WAS NOT FOUND. XMID=xxxx IMPACT: The Xmanager cannot be started. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Db2 Common Components Version 20.0 Related Problem: PXM 17799 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02176-D200 DESC(XMANAGERS CANNOT BE STARTED MESSAGE PXM1021 "NOT ALLOCATED"). ++VER (Z038) FMID (CINSK00) PRE (LU00162 LU00523 LU01978 LU04412 LU05347 LU05717 LU05997 S004756 S006113 S011317) SUP (AL01978 LT06606)

Service	Details
	<pre> ++HOLD (LU06606) SYSTEM FMID(CINSK00) REASON (RESTART) DATE (22206) COMMENT (+-----+ 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 operating system/Db2 including possible failures.) </pre>

Service	Details
LU06611	LU06611 M.C.S. ENTRIES = ++PTF (LU06611) SUPPORT FOR NEW DB2 12 AND 13 FIELDS IN IFCIDS 1 AND 1001 ENHANCEMENT DESCRIPTION: The SYSVIEW Performance Management Option for Db2 for z/OS (IDB2) adds support for new Db2 12 and 13 fields in STATS1/CURR-STATS1 (IFCID 1/1001) Db2 trace records. The following Db2 12 field was added: Q9STCTBL (DISPLAY-BLOCKERS) - Specifies the number of -DISPLAY BLOCKERS commands. The following Db2 13 fields were added: Q9STCTX6 (RUN-MLUTIL) - Specifies the number of -RUN MLUTIL commands. Q9STCTX7 (DISPLAY-STATS) - Specifies the number of -DISPLAY STATS commands issued to display index memory usage (IMU), index traversal counts (ITC), or log reader task (LRT) statistics. QSST_P64DISNO (DISCARD-BLK-64BIT-NO) - Number of times IARV64 REQUEST=DISCARDATA,KEEPREAL=NO was issued. QSST_P64DISYES (DISCARD-BLK-64BIT-YES) - Number of times IARV64 REQUEST=DISCARDATA,KEEPREAL=YES was issued. QSST_CNTRCT_NUM (CONTRACTED-STG-MANAGER) - Number of 31-bit agent local pools contracted by storage manager. The following reports were updated: ICMDS, HSCMD, HSUCMD, SYSSTRG, HSSTRG, HSUSTRG, DSQHIST, DSQSTATS, BTSTASM1, BTSTATR1. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Option for Db2 for z/OS Version 20.0 Related Problem: IDB2 17283 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02177-D200 DESC(SUPPORT FOR NEW DB2 12 AND 13 FIELDS IN IFCIDS 1 AND 1001). ++VER (Z038) FMID (CIDBK00) PRE (LU00697 LU01030 LU01100 LU01175 LU02033 LU02303 LU02428 LU02634 LU02646 LU03091 LU03286 LU03348 LU04097 LU04287 LU04374 LU04411 LU04498 LU04803 LU05224 LU05687 LU05749 LU05976 LU06045 LU06100 LU06188 LU06229 LU06285 LU06379 LU06419 R096575 R097703 R099552 S001395 S004454 S006112 S006862 S007806 S008846 S010160 S010405 S010739 S011616 S011780 S011977 S012769 S013508 S013557 S013891 S014099 S014754 S015049 S015070 S015254 S015647 S016270 S016300) SUP (LT05606 LT06361 LT06611 LU05606 LU06361 S015913 ST15913)

Service	Details		
LU06625	LU06625 M.C.S. ENTRIES = ++PTF (LU06625) 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 17774 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02179-D200 DESC(EXCESSIVE PXM0203 MESSAGES). ++VER (Z038) FMID (CINSK00) PRE (LU02124 LU04230 LU04412 LU04452 S001665 S009796 S010907 S014295) SUP (AL05547 LT05547 LT06625 LU05547 ST10808 ST10861 ST10903) ++HOLD (LU06625) SYSTEM FMID(CINSK00) REASON (RESTART) DATE (22202) 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								
LU06629	LU06629 M.C.S. ENTRIES = ++PTF (LU06629) GENERATE SET CURRENT RULES AND SUPPRESS AUXILIARY OBJECT DDL ENHANCEMENT DESCRIPTION: The Object Framework Services (OFS) component of CA Database Management Solutions for Db2 for z/OS has been enhanced to wrap SET CURRENT RULES statements around CREATE TABLE DDL. The Table must contain LOB columns and the base Tablespace and auxiliary objects must meet qualifying criteria. SET CURRENT RULES = 'STD' precedes the CREATE TABLE DDL and SET CURRENT RULES = 'DB2' follows it. Furthermore, when using the RC/Query for Db2 for z/OS (RCQ)'s HDDL command with qualifying objects, the auxiliary object DDL will be suppressed. PRODUCT(S) AFFECTED: <table> <tr> <td>RC/Query for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>RC/Migrator for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Log Analyzer for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>RC/Extract for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: OFS 17179 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02180-D200 DESC (GENERATE SET CURRENT RULES AND SUPPRESS AUXILIARY OBJECT DDL) . ++VER (Z038) FMID (CINSK00) PRE (LU00446 LU00925 LU01039 LU01106 LU01978 LU02279 LU03314 LU03657 LU03923 LU04084 LU04149 LU04412 LU04463 LU04930 LU05111 LU05886 LU06046 LU06412 LU06576 R096576 R097704 R099553 S001396 S004455 S004718 S006638 S007379 S007807 S008434 S008662 S009105 S010004 S011691 S011866 S011966 S012361 S012650 S012933 S013484 S014125 S014832 S015804 S016132) SUP (AS07379 LT00368 LT00613 LT03788 LT04226 LT04443 LT05876 LT06321 LT06629 LU00368 LU00613 LU03788 LU04443 LU05876 LU06321 S007774 S009125 S009602 S009892 S013273 S015449 S015867 S016045 ST07774 ST09125 ST09565 ST09602 ST09892 ST13273 ST15449 ST15867 ST16045) ++IF FMID(COFSK00) REQ(LU06630) . ++IF FMID(CPLAK00) REQ(LU06631) . ++IF FMID(CRCXK00) REQ(LU06632) .	RC/Query for Db2 for z/OS	Version 20.0	RC/Migrator for Db2 for z/OS	Version 20.0	Log Analyzer for Db2 for z/OS	Version 20.0	RC/Extract for Db2 for z/OS	Version 20.0
RC/Query for Db2 for z/OS	Version 20.0								
RC/Migrator for Db2 for z/OS	Version 20.0								
Log Analyzer for Db2 for z/OS	Version 20.0								
RC/Extract for Db2 for z/OS	Version 20.0								

Service	Details								
LU06630	LU06630 M.C.S. ENTRIES = ++PTF (LU06630) GENERATE SET CURRENT RULES AND SUPPRESS AUXILIARY OBJECT DDL ENHANCEMENT DESCRIPTION: The Object Framework Services (OFS) component of CA Database Management Solutions for Db2 for z/OS has been enhanced to wrap SET CURRENT RULES statements around CREATE TABLE DDL. The Table must contain LOB columns and the base Tablespace and auxiliary objects must meet qualifying criteria. SET CURRENT RULES = 'STD' precedes the CREATE TABLE DDL and SET CURRENT RULES = 'DB2' follows it. Furthermore, when using the RC/Query for Db2 for z/OS (RCQ)'s HDDL command with qualifying objects, the auxiliary object DDL will be suppressed. PRODUCT(S) AFFECTED: <table> <tr> <td>RC/Query for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>RC/Migrator for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Log Analyzer for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>RC/Extract for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: OFS 17179 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02180-D200 DESC (GENERATE SET CURRENT RULES AND SUPPRESS AUXILIARY OBJECT DDL) . ++VER (Z038) FMID (COFSK00) PRE (LU00531 LU02280 LU03315 LU03659 LU03924 LU04085 LU04413 LU05528 LU05806 R096577 R097705 R099554 S001397 S004456 S006114 S006864 S007380 S007808 S008663 S011967 S015225 S015440) SUP (LT06630 S009128 S013758 S014655 ST09128 ST13758 ST14655) ++IF FMID(CINSK00) REQ(LU06629) . ++IF FMID(CPLAK00) REQ(LU06631) . ++IF FMID(CRCXK00) REQ(LU06632) .	RC/Query for Db2 for z/OS	Version 20.0	RC/Migrator for Db2 for z/OS	Version 20.0	Log Analyzer for Db2 for z/OS	Version 20.0	RC/Extract for Db2 for z/OS	Version 20.0
RC/Query for Db2 for z/OS	Version 20.0								
RC/Migrator for Db2 for z/OS	Version 20.0								
Log Analyzer for Db2 for z/OS	Version 20.0								
RC/Extract for Db2 for z/OS	Version 20.0								

Service	Details								
LU06631	LU06631 M.C.S. ENTRIES = ++PTF (LU06631) GENERATE SET CURRENT RULES AND SUPPRESS AUXILIARY OBJECT DDL ENHANCEMENT DESCRIPTION: The Object Framework Services (OFS) component of CA Database Management Solutions for Db2 for z/OS has been enhanced to wrap SET CURRENT RULES statements around CREATE TABLE DDL. The Table must contain LOB columns and the base Tablespace and auxiliary objects must meet qualifying criteria. SET CURRENT RULES = 'STD' precedes the CREATE TABLE DDL and SET CURRENT RULES = 'DB2' follows it. Furthermore, when using the RC/Query for Db2 for z/OS (RCQ)'s HDDL command with qualifying objects, the auxiliary object DDL will be suppressed. PRODUCT(S) AFFECTED: <table> <tr> <td>RC/Query for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>RC/Migrator for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Log Analyzer for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>RC/Extract for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: OFS 17179 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02180-D200 DESC (GENERATE SET CURRENT RULES AND SUPPRESS AUXILIARY OBJECT DDL) . ++VER (Z038) FMID (CPLAK00) PRE (LU00672 LU01043 LU02230 LU02381 LU03250 LU03282 LU03316 LU03660 LU03925 LU04419 LU04562 LU05734 LU06217 LU06433 R099559 S000020 S000975 S001403 S004245 S004461 S006119 S008802 S009083 S009133 S010677 S011113 S011419 S011669 S012797 S012889 S012900 S013009 S013625 S013879 S014137 S014142 S014613 S014866 S015220) SUP (LT02213 LT06631 LU02213 S014949 ST14924 ST14949) ++IF FMID(CINSK00) REQ(LU06629) . ++IF FMID(COFSK00) REQ(LU06630) . ++IF FMID(CRCXK00) REQ(LU06632) .	RC/Query for Db2 for z/OS	Version 20.0	RC/Migrator for Db2 for z/OS	Version 20.0	Log Analyzer for Db2 for z/OS	Version 20.0	RC/Extract for Db2 for z/OS	Version 20.0
RC/Query for Db2 for z/OS	Version 20.0								
RC/Migrator for Db2 for z/OS	Version 20.0								
Log Analyzer for Db2 for z/OS	Version 20.0								
RC/Extract for Db2 for z/OS	Version 20.0								

Service	Details								
LU06632	LU06632 M.C.S. ENTRIES = ++PTF (LU06632) GENERATE SET CURRENT RULES AND SUPPRESS AUXILIARY OBJECT DDL ENHANCEMENT DESCRIPTION: The Object Framework Services (OFS) component of CA Database Management Solutions for Db2 for z/OS has been enhanced to wrap SET CURRENT RULES statements around CREATE TABLE DDL. The Table must contain LOB columns and the base Tablespace and auxiliary objects must meet qualifying criteria. SET CURRENT RULES = 'STD' precedes the CREATE TABLE DDL and SET CURRENT RULES = 'DB2' follows it. Furthermore, when using the RC/Query for Db2 for z/OS (RCQ)'s HDDL command with qualifying objects, the auxiliary object DDL will be suppressed. PRODUCT(S) AFFECTED: <table> <tr> <td>RC/Query for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>RC/Migrator for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>Log Analyzer for Db2 for z/OS</td><td>Version 20.0</td></tr> <tr> <td>RC/Extract for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> Related Problem: OFS 17179 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02180-D200 DESC (GENERATE SET CURRENT RULES AND SUPPRESS AUXILIARY OBJECT DDL) . ++VER (Z038) FMID (CRCXK00) PRE (LU00411 LU00450 LU03318 LU03664 LU03926 LU04433 LU05635 LU05889 R099572 R099853 S007384 S009110 S011079 S011971 S012366 S012937 S015807) SUP (LT06632) ++IF FMID(CINSK00) REQ(LU06629) . ++IF FMID(COFSK00) REQ(LU06630) . ++IF FMID(CPLAK00) REQ(LU06631) .	RC/Query for Db2 for z/OS	Version 20.0	RC/Migrator for Db2 for z/OS	Version 20.0	Log Analyzer for Db2 for z/OS	Version 20.0	RC/Extract for Db2 for z/OS	Version 20.0
RC/Query for Db2 for z/OS	Version 20.0								
RC/Migrator for Db2 for z/OS	Version 20.0								
Log Analyzer for Db2 for z/OS	Version 20.0								
RC/Extract for Db2 for z/OS	Version 20.0								

Service	Details
LU06635	LU06635 M.C.S. ENTRIES = ++PTF (LU06635) CREATE INDEX DDL NOT GENERATED WHEN ADDING A NEW AUX INDEX PROBLEM DESCRIPTION: When using RC/Migrator for DB2 for z/OS (RCM) to create a new auxiliary index on an existing auxiliary table, the analysis does not generate the create DDL for the new auxiliary index. SYMPTOMS: The create DDL for the auxiliary index is missing from the generated script. IMPACT: Users are not be able to add a new auxiliary index to an existing auxiliary table. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Migrator for Db2 for z/OS Version 20.0 Related Problem: RCM 17775 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02181-D200 DESC (CREATE INDEX DDL NOT GENERATED WHEN ADDING A NEW AUX INDEX) . ++VER (Z038) FMID (CINSK00) PRE (LU00426 LU00446 LU00914 LU03657 LU04149 LU04412 LU05886 LU06576 R096576 R097704 R099553 S000016 S001396 S004718 S006113 S006638 S007379 S007807 S008957 S009105 S011691 S011866 S011966 S012361 S012933 S013930 S014125 S014832 S015804) SUP (LT06635 S009126 S010331 S010631 S010827 S010978 S012524 ST08916 ST09126 ST10331 ST10631 ST10827 ST10978 ST12524)

Service	Details
LU06661	LU06661 M.C.S. ENTRIES = ++PTF (LU06661) DISPLAY NEW PRODUCT VERSION STRING ENHANCEMENT DESCRIPTION: The Log Analyzer for Db2 for z/OS (PLA) main menu ISPF panel has been updated to display the Level Set value as the modification level (mm) in the new product version string (vv.rr.mm). Previously, the version string included only the product version and release number (vv.r). The addition of the Level Set values helps you to better understand what maintenance level has been applied at your site. PRODUCT(S) AFFECTED: Log Analyzer for Db2 for z/OS Version 20.0 Related Problem: PLA 17745 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02184-D200 DESC(DISPLAY NEW PRODUCT VERSION STRING). ++VER (Z038) FMID (CPLAK00) PRE (LU00132 LU00759 LU00940 LU01040 LU02230 LU03228 LU04004 LU04419 LU05973 LU06217 LU06546 R096583 R099559 S000020 S000975 S001403 S004245 S004461 S008802 S011113 S011669 S012889 S015064) SUP (LT06661) CSECT(LAA\$MAIN,LAA\$CVT,\$OUTPUT,#@XFCALN).

Service	Details
LU06662	LU06662 M.C.S. ENTRIES = ++PTF (LU06662) SOC1-01 IN UTLFUSFP+8B78 WITH ZIIP, SQL ACCESS, AND LIMIT PROBLEM DESCRIPTION: Fast Unload for Db2 for z/OS (PFU) abends with the SOC1-01 abend code in module UTLFUSPF when SQL access is used and the following settings are in effect: OUTPUT-FORMAT DSNTIAUL ZIIP YES LIMIT <n> Where <n> is not 0 and is lower than the number of rows resulting from the SELECT statement specified in the PFU SYSIN. SYMPTOMS: SOC1-01 in UTLFUSFP at offset x'8B78'. IMPACT: The job abends. CIRCUMVENTION: Specify ZIIP NO. PRODUCT(S) AFFECTED: Fast Unload for Db2 for z/OS Version 20.0 Related Problem: PFU 17763 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02185-D200 DESC(SOC1-01 IN UTLFUSFP+8B78 WITH ZIIP, SQL ACCESS, AND LIMIT). ++VER (Z038) FMID (CPFUK00) PRE (LU02006 LU03384 LU04418 S001818 S006118 S016195 S016262) SUP (LT06662)

Service	Details
LU06680	LU06680 M.C.S. ENTRIES = ++PTF (LU06680) THE DSSIZE 4G IS MISSING FROM CREATE TABLESPACE DDL. PROBLEM DESCRIPTION: When using RC/Migrator for DB2 for z/OS (RCM) to migrate a Large tablespace, the analysis generates DDL without the required DSSIZE 4G when the target subsystem is V12R1M504 or higher. SYMPTOMS: The DSSIZE clause is missing from the create tablespace DDL. IMPACT: The type of the migrated tablespace will be Regular instead of the expected Large when the DDL is execute. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Migrator for Db2 for z/OS Version 20.0 Related Problem: RCM 17813 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02186-D200 DESC (THE DSSIZE 4G IS MISSING FROM CREATE TABLESPACE DDL.) . ++VER (Z038) FMID (CINSK00) PRE (LU00446 LU03314 LU03657 LU03923 LU04412 LU06629 R096576 R099553 S001396 S004455 S007807 S012361 S014832 S015804) SUP (LT03788 LT06680 LU03788 S015867 S016045 ST15867 ST16045)

Service	Details
LU06683	LU06683 M.C.S. ENTRIES = ++PTF (LU06683) UPDATE COMPANY NAME IN PRODUCT PANELS PROBLEM DESCRIPTION: Panels in Subsystem Analyzer for Db2 for z/OS (PSA) display old company name. SYMPTOMS: Old company name appears either in the header or in the content of product display panels. IMPACT: Panels display old information. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Subsystem Analyzer for Db2 for z/OS Version 20.0 Related Problem: PSA 17243 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02187-D200 DESC(UPDATE COMPANY NAME IN PRODUCT PANELS). ++VER (Z038) FMID (CPSAK00) PRE (LU04426 SO11843) SUP (LT06683)

Service	Details
LU06684	LU06684 M.C.S. ENTRIES = ++PTF (LU06684) UPDATE COMPANY NAME IN PRODUCT PANELS PROBLEM DESCRIPTION: Panels in Plan Analyzer for Db2 for z/OS (PPA) display old company name. SYMPTOMS: Old company name appears either in the header or in the content of product display panels. IMPACT: Panels display old information. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Plan Analyzer for Db2 for z/OS Version 20.0 Related Problem: PPADB2 17383 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02188-D200 DESC(UPDATE COMPANY NAME IN PRODUCT PANELS). ++VER (Z038) FMID (CPPAK00) PRE (LU00440 LU02493 LU04420 LU04486 S001404 S008581 S010714 S011567 S011810 S012068) SUP (LT06684)

Service	Details
LU06694	LU06694 M.C.S. ENTRIES = ++PTF (LU06694) UPDATE COMPANY NAME IN PRODUCT PANELS PROBLEM DESCRIPTION: Panels in Detector for Db2 for z/OS (PDT) display old company name. SYMPTOMS: Old company name appears either in the header or in the content of product display panels. IMPACT: Panels display old information. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Detector for Db2 for z/OS Version 20.0 Related Problem: PDT 17334 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02190-D200 DESC(UPDATE COMPANY NAME IN PRODUCT PANELS). ++VER (Z038) FMID (CPDTK00) PRE (LU00334 LU02554 LU04416 S001400 S011606) SUP (LT06694 ST11558)

Service	Details
LU06699	LU06699 M.C.S. ENTRIES = ++PTF (LU06699) SOC4-04 IN UTLFULOB+298 AFTER APPLYING LU06418 PROBLEM DESCRIPTION: Fast Unload for Db2 for z/OS (PFU) may abend with SOC4-04 in UTLFULOB during the initialization of LOB write processing for LOBs which are greater than 32K in length (or when the output record is > 32K). SYMPTOMS: The following symptom dump is produced: SYSTEM COMPLETION CODE=0C4 REASON CODE=00000004 TIME=XX.XX.XX SEQ=07704 CPU=0000 ASID=006B PSW AT TIME OF ERROR 078C2000 8015F298 ILC 2 INTC 04 ACTIVE MODULE ADDRESS=00000000_0015F000 OFFSET=00000298 NAME=UTLFULOB DATA AT PSW 0015F292 - D1D81BFF 0E2E9200 D218D203 IMPACT: PFU abends. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Fast Unload for Db2 for z/OS Version 20.0 Related Problem: PFU 17535 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved RO2191-D200 DESC (SOC4-04 IN UTLFULOB+298 AFTER APPLYING LU06418). ++VER (Z038) FMID (CPFUK00) PRE (LU00886 LU04418 S000019 S001818 S011997 S012151 S016195) SUP (AL06418 LT06418 LT06699 LU06418)

Service	Details		
LU06707	LU06707 M.C.S. ENTRIES = ++PTF (LU06707) UPDATE PRF VERSION STRING ENHANCEMENT DESCRIPTION: Report Facility (PRF) has been updated to display the Level Set value as the modification level (mm) in the new product version string (vv.rr.mm). Previously, the version string included only the product version and release number (vv.r). The addition of the Level Set value helps you to better understand what maintenance level has been applied at your site. PRODUCT(S) AFFECTED: Report Facility (PRF) Version 20.0 Related Problem: BIPRF 17706 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02192-D200 DESC(UPDATE PRF VERSION STRING). ++VER (Z038) FMID (CPRFK00) PRE (LU00581 LU01102 LU01321 LU04422 LU05169 R096585 R097712 R099195 R099562 S001406 S004464 S006122 S006443 S007815 S008083 S010365) SUP (LT06650 LT06707) ++IF FMID(CPRFK01) REQ(LU06708). ++IF FMID(CPRFK02) REQ(LU06709). ++HOLD (LU06707) SYSTEM FMID(CPRFK00) REASON (ACTION) DATE (22207) COMMENT (<table border="1"> <tr> <td>Compile/PRF</td><td>Version 20.0</td></tr> </table> SEQUENCE After Apply PURPOSE Implement screen changes USERS AFFECTED Report Facility Users KNOWLEDGE REQUIRED Db2 Tools Post Install Customization. ACCESS 1. Db2 Tools Post Install REQUIRED 2. Update Access to target libraries ***** * STEPS TO PERFORM * ***** This PTF contains Report Facility Screen changes. 1. Please repro the SCREEN members into the appropriate screens VSAM file(s) using the installation customization steps for Report Facility.).	Compile/PRF	Version 20.0
Compile/PRF	Version 20.0		

Service	Details
LU06755	LU06755 M.C.S. ENTRIES = ++PTF (LU06755) UPDATE COMPANY NAME IN PRODUCT PANELS PROBLEM DESCRIPTION: Panels in Db2 Common Components (INS) display old company name. SYMPTOMS: Old company name appears either in the header or in the content of product display panels. IMPACT: Panels display old information. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Db2 Common Components Version 20.0 Related Problem: INS 17435 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02202-D200 DESC(UPDATE COMPANY NAME IN PRODUCT PANELS). ++VER (Z038) FMID (CINSK00) PRE (LU00145 LU00332 LU00446 LU00839 LU00847 LU01526 LU01575 LU01705 LU01784 LU02492 LU03499 LU03657 LU03813 LU04082 LU04412 LU04988 LU05596 LU06412 LU06576 R096576 R099553 S001396 S001655 S004455 S006067 S006113 S006608 S006863 S007915 S009860 S010004 S010173 S011566 S011807 S011866 S011966 S012219 S012361 S012851 S014125 S014174 S014771 S014832 S015709 S015789 S015980) SUP (LT06755)

Service	Details																																																																																								
LU06761	LU06761 M.C.S. ENTRIES = ++PTF (LU06761) UPDATE COMPANY NAME IN PRODUCT PANELS PROBLEM DESCRIPTION: Panels in Database Analyzer for Db2 for z/OS (PDA) display old company name. SYMPTOMS: Old company name appears either in the header or in the content of product display panels. IMPACT: Panels display old information. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Database Analyzer for Db2 for z/OS Version 20.0 Related Problem: PDA 17663 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R02203-D200 DESC(UPDATE COMPANY NAME IN PRODUCT PANELS). ++VER (Z038) FMID (CPDAK00) PRE (LU00333 LU02456 LU04415 S010042) SUP (LT06761 S012624 ST12624) <table> <tr><td>MCS</td><td>LU06280</td><td>STARTS ON PAGE 0003</td></tr> <tr><td>MCS</td><td>LU06364</td><td>STARTS ON PAGE 0004</td></tr> <tr><td>MCS</td><td>LU06365</td><td>STARTS ON PAGE 0005</td></tr> <tr><td>MCS</td><td>LU06366</td><td>STARTS ON PAGE 0007</td></tr> <tr><td>MCS</td><td>LU06394</td><td>STARTS ON PAGE 0008</td></tr> <tr><td>MCS</td><td>LU06397</td><td>STARTS ON PAGE 0010</td></tr> <tr><td>MCS</td><td>LU06398</td><td>STARTS ON PAGE 0012</td></tr> <tr><td>MCS</td><td>LU06399</td><td>STARTS ON PAGE 0013</td></tr> <tr><td>MCS</td><td>LU06400</td><td>STARTS ON PAGE 0015</td></tr> <tr><td>MCS</td><td>LU06401</td><td>STARTS ON PAGE 0016</td></tr> <tr><td>MCS</td><td>LU06412</td><td>STARTS ON PAGE 0017</td></tr> <tr><td>MCS</td><td>LU06413</td><td>STARTS ON PAGE 0024</td></tr> <tr><td>MCS</td><td>LU06414</td><td>STARTS ON PAGE 0027</td></tr> <tr><td>MCS</td><td>LU06418</td><td>STARTS ON PAGE 0029</td></tr> <tr><td>MCS</td><td>LU06423</td><td>STARTS ON PAGE 0030</td></tr> <tr><td>MCS</td><td>LU06430</td><td>STARTS ON PAGE 0033</td></tr> <tr><td>MCS</td><td>LU06432</td><td>STARTS ON PAGE 0034</td></tr> <tr><td>MCS</td><td>LU06433</td><td>STARTS ON PAGE 0036</td></tr> <tr><td>MCS</td><td>LU06459</td><td>STARTS ON PAGE 0038</td></tr> <tr><td>MCS</td><td>LU06460</td><td>STARTS ON PAGE 0040</td></tr> <tr><td>MCS</td><td>LU06505</td><td>STARTS ON PAGE 0041</td></tr> <tr><td>MCS</td><td>LU06508</td><td>STARTS ON PAGE 0042</td></tr> <tr><td>MCS</td><td>LU06511</td><td>STARTS ON PAGE 0044</td></tr> <tr><td>MCS</td><td>LU06515</td><td>STARTS ON PAGE 0045</td></tr> <tr><td>MCS</td><td>LU06524</td><td>STARTS ON PAGE 0046</td></tr> <tr><td>MCS</td><td>LU06525</td><td>STARTS ON PAGE 0048</td></tr> <tr><td>MCS</td><td>LU06526</td><td>STARTS ON PAGE 0051</td></tr> <tr><td>MCS</td><td>LU06541</td><td>STARTS ON PAGE 0053</td></tr> <tr><td>MCS</td><td>LU06546</td><td>STARTS ON PAGE 0054</td></tr> </table>		MCS	LU06280	STARTS ON PAGE 0003	MCS	LU06364	STARTS ON PAGE 0004	MCS	LU06365	STARTS ON PAGE 0005	MCS	LU06366	STARTS ON PAGE 0007	MCS	LU06394	STARTS ON PAGE 0008	MCS	LU06397	STARTS ON PAGE 0010	MCS	LU06398	STARTS ON PAGE 0012	MCS	LU06399	STARTS ON PAGE 0013	MCS	LU06400	STARTS ON PAGE 0015	MCS	LU06401	STARTS ON PAGE 0016	MCS	LU06412	STARTS ON PAGE 0017	MCS	LU06413	STARTS ON PAGE 0024	MCS	LU06414	STARTS ON PAGE 0027	MCS	LU06418	STARTS ON PAGE 0029	MCS	LU06423	STARTS ON PAGE 0030	MCS	LU06430	STARTS ON PAGE 0033	MCS	LU06432	STARTS ON PAGE 0034	MCS	LU06433	STARTS ON PAGE 0036	MCS	LU06459	STARTS ON PAGE 0038	MCS	LU06460	STARTS ON PAGE 0040	MCS	LU06505	STARTS ON PAGE 0041	MCS	LU06508	STARTS ON PAGE 0042	MCS	LU06511	STARTS ON PAGE 0044	MCS	LU06515	STARTS ON PAGE 0045	MCS	LU06524	STARTS ON PAGE 0046	MCS	LU06525	STARTS ON PAGE 0048	MCS	LU06526	STARTS ON PAGE 0051	MCS	LU06541	STARTS ON PAGE 0053	MCS	LU06546	STARTS ON PAGE 0054
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MCS	LU06423	STARTS ON PAGE 0030																																																																																							
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MCS	LU06432	STARTS ON PAGE 0034																																																																																							
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MCS	LU06505	STARTS ON PAGE 0041																																																																																							
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MCS	LU06511	STARTS ON PAGE 0044																																																																																							
MCS	LU06515	STARTS ON PAGE 0045																																																																																							
MCS	LU06524	STARTS ON PAGE 0046																																																																																							
MCS	LU06525	STARTS ON PAGE 0048																																																																																							
MCS	LU06526	STARTS ON PAGE 0051																																																																																							
MCS	LU06541	STARTS ON PAGE 0053																																																																																							
MCS	LU06546	STARTS ON PAGE 0054																																																																																							

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	MCS	LU06576	STARTS ON PAGE 0066
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	MCS	LU06584	STARTS ON PAGE 0080
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	MCS	LU06591	STARTS ON PAGE 0082
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	MCS	LU06601	STARTS ON PAGE 0085
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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 2208 Product/Component Count for this release is 27		

CA RS Level	Service	FMID
CAR2208	LU06761	CPDAK00
	LU06755	CINSK00
	LU06707	CPRFK00
	LU06699	CPFUK00
	LU06694	CPDTK00
	LU06684	CPPAK00
	LU06683	CPSAK00
	LU06680	CINSK00
	LU06662	CPFUK00
	LU06661	CPLAK00
	LU06635	CINSK00
	LU06632	CRCXK00
	LU06631	CPLAK00
	LU06630	COFSK00
	LU06629	CINSK00
	LU06625	CINSK00
	LU06611	CIDBK00
	LU06606	CINSK00
	LU06601	CINSK00
	LU06596	CPDTK00
	LU06591	CPUTK00
	LU06590	CPFLK00
	LU06584	CPDAK00
	LU06577	CRCUK00
	LU06576	CINSK00
	LU06570	CUGRK00
	LU06569	CPRAK00
	LU06568	CINSK00
	LU06553	CIDBK00
	LU06547	CIDBK00
	LU06546	CPLAK00
	LU06541	CINSK00
	LU06526	CUGRK00
	LU06525	CPRAK00
	LU06524	CPLAK00
	LU06515	CUGRK00
	LU06511	CIDBK00
	LU06508	CINSK00
	LU06505	CPDTK00
	LU06460	CPDTK00
	LU06459	CINSK00
	LU06433	CPLAK00
	LU06432	CPRAK00
	LU06430	CINSK00
	LU06423	CUGRK00
	LU06418	CPFUK00
	LU06414	CRCUK00

CA RS Level	Service	FMID
	LU06413	CRCQK00
	LU06412	CINSK00
	LU06401	CUGRK00
	LU06400	CPRAK00
	LU06399	CPLAK00
	LU06398	CINSK00
	LU06397	CPFUK00
	LU06394	CPDAK00
	LU06366	CPUTK00
	LU06365	CPFLK00
	LU06364	CINSK00
	LU06280	CPLAK00
CAR2207	LU06419	CIDBK00
	LU06415	CPDTK00
	LU06407	CINSK00
	LU06379	CIDBK00
	LU06361	CIDBK00
	LU06357	CSQ2100
	LU06348	CINSK00
	LU06321	CINSK00
	LU06311	CTGRK00
	LU06310	CRCUK00
	LU06309	CINSK00
	LU06307	CPDAK00
	LU06305	CPFUK00
	LU06304	CPFLK00
	LU06302	CRCQK00
	LU06301	CPDAK00
	LU06300	CINSK00
	LU06299	CPUTK00
	LU06298	CINSK00
	LU06297	CINSK00
	LU06292	CINSK00
	LU06291	CPDTK00
	LU06289	CPUTK00
	LU06285	CIDBK00
	LU06284	CPFUK00
	LU06278	COFSK00
	LU06265	CIDBK00
	LU06264	CPDTK00
	LU06261	CINSK00
	LU06257	COFSK00
	LU06230	COFSK00
	LU06229	CIDBK00
	LU06218	CIDBK00
	LU06217	CPLAK00
	LU06216	CINSK00

CA RS Level	Service	FMID
	LU06213	CUGRK00
	LU06206	CPUTK00
	LU06188	CIDBK00
	LU06172	CINSK00
	LU06166	CIDBK00
	LU06163	CPFLK00
	LU06161	CIDBK00
	LU06154	CPDTK00
	LU06152	CRCQK00
	LU06148	CINSK00
	LU06141	CPDAK00
	LU06140	CIDBK00
	LU06137	CPSAK00
	LU06136	CRCQK00
	LU06120	CINSK00
	LU06117	CINSK00
	LU06115	CINSK00
	LU06112	CPDTK00
	LU06109	CIDBK00
	LU06076	CPFLK00
	LU06052	CINSK00
	LU06051	CINSK00
	LU05989	CINSK00
	LU05871	CINSK00
CAR2206	LU06107	CINSK00
	LU06100	CIDBK00
	LU06087	CUGRK00
	LU06086	CPUTK00
	LU06085	CPRFK00
	LU06084	CPLAK00
	LU06083	CPFUK00
	LU06082	CPDAK00
	LU06081	CINSK00
	LU06080	CPUTK00
	LU06079	CPRRK00
	LU06078	CPFUK00
	LU06077	CPFLK00
	LU06074	CPSAK00
	LU06073	CINSK00
	LU06050	CPUTK00
	LU06049	CPSAK00
	LU06048	CPDTK00
	LU06047	COFSK00
	LU06046	CINSK00
	LU06045	CIDBK00
	LU06034	CUGRK00
	LU06033	CIDBK00

CA RS Level	Service	FMID
	LU06000	CUGRK00
	LU05999	CIDBK00
	LU05998	CPDTK00
	LU05997	CINSK00
	LU05995	CINSK00
	LU05994	CIDBK00
	LU05993	CINSK00
	LU05987	CRCXK00
	LU05984	CPPAK00
	LU05976	CIDBK00
	LU05973	CPLAK00
	LU05971	CINSK00
	LU05967	CINSK00
	LU05954	CPLAK00
	LU05931	CINSK00
	LU05913	CUGRK00
	LU05900	CUGRK00
	LU05889	CRCXK00
	LU05888	CRCUK00
	LU05887	CPFUK00
	LU05886	CINSK00
	LU05884	CPUTK00
	LU05883	CPFLK00
	LU05881	CPFUK00
	LU05880	CPFLK00
	LU05879	CIDBK00
	LU05876	CINSK00
	LU05875	CPDTK00
	LU05873	CPDTK00
	LU05869	CUGRK00
	LU05868	CPUTK00
	LU05867	CPRRK00
	LU05866	CPFLK00
	LU05865	CINSK00
	LU05857	CUGRK00
	LU05851	CIDBK00
	LU05850	CUGRK00
	LU05836	CRCSK00
	LU05823	CPDTK00
	LU05816	CUGRK00
	LU05806	COFSK00
	LU05798	CINSK00
	LU05797	CRCQK00
	LU05796	CPDTK00
	LU05794	CINSK00
	LU05790	CINSK00
	LU05788	CIDBK00

CA RS Level	Service	FMID
	LU05775	CINSK00
	LU05767	CIDBK00
	LU05764	CINSK00
	LU05761	CPSAK00
	LU05749	CIDBK00
	LU05747	CPFUK00
	LU05739	CINSK00
	LU05734	CPLAK00
	LU05732	CPRAK00
	LU05717	CINSK00
	LU05701	CINSK00
	LU05685	CIDBK00
	LU05635	CRCXK00
	LU05634	CRCUK00
	LU05633	CRCCK00
	LU05632	CRCQK00
	LU05631	CRCMK00
	LU05630	CPFUK00
	LU05629	CINSK00
	LU05628	CAHOK00
	LU05597	CPPAK00
	LU05596	CINSK00
	LU05577	CPLAK00
	LU05562	CPDTK00
	LU05444	CINSK00
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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	LU05102	CPDAK00
	LU05098	CIDBK00
	LU05091	CRCRK00
	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

CA RS Level	Service	FMID
	LU04981	CPFUK00
	LU04980	CPFLK00
	LU04966	CUGRK00
	LU04965	CPRRK00
	LU04962	CUGRK00
	LU04961	CUGRK00
	LU04960	CINSK00
	LU04953	CRCCK00
	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
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

CA RS Level	Service	FMID
	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
	LU04452	CINSK00
	LU04444	COFSK00
	LU04370	CUGRK00
	LU04369	CINSK00
CAR2202	LU04462	CSQ2100
	LU04443	CINSK00
	LU04436	CUTSK00
	LU04435	CUGRK00
	LU04434	CTGRK00
	LU04433	CRCXK00
	LU04432	CRCUK00
	LU04431	CRC SK00
	LU04430	CRCQK00
	LU04429	CRCMK00
	LU04428	CPXNK00
	LU04427	CPUTK00
	LU04426	CPSAK00
	LU04425	CPRRK00
	LU04422	CPRFK00
	LU04421	CPRAK00
	LU04420	CPPAK00
	LU04419	CPLAK00

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	LU00359	CINSK00
	LU00342	CRCXK00
	LU00341	CRCUK00
	LU00340	CRC SK00
	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	S016295	CIDBK00
	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

CA RS Level	Service	FMID
	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
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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
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
	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

CA RS Level	Service	FMID
	S012586	CUGRK00
	S012585	CPFLK00
	S012553	CRCSK00
	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
	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

CA RS Level	Service	FMID
	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
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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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	CRCCK00
	S009865	CRCQK00
	S009864	CPRFK00

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	S009546	CINSK00
	S009519	CIDBK00
	S009432	CPSAK00
	S009426	CINSK00
	S009423	CTGRK00
	S009417	CINSK00
	S009403	CRCSK00
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	S007894	CPUTK00
	S007893	CPRRK00
	S007884	CTGRK00
	S007856	CINSK00
CAR1904	S007826	CUGRK00
	S007825	CTGRK00
	S007824	CRCUK00
	S007823	CRCCK00
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
CAR1808	S004756	CINSK00
	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
	S004275	CPFLK00
CAR1807	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
	S003960	CPDTK00
	S003959	CINSK00
	S003942	CPDTK00
	S003861	CPFLK00
	S003860	CINSK00
	S003844	CPUTK00
	S003843	CINSK00

CA RS Level	Service	FMID
CAR1806	S003816	CUGRK00
	S003815	CPUTK00
	S003814	CINSK00
	S003677	CUGRK00
	S003676	CTGRK00
	S003587	CINSK00
	S001905	CINSK00
	S001896	CINSK00
	S001855	CUGRK00
	S001819	CUGRK00
	S001818	CPFUK00
	S001670	CRCCK00
	S001641	CPLAK00
CAR1805	S001712	CUGRK00
	S001711	CPUTK00
	S001668	CUGRK00
	S001667	CPLAK00
	S001666	COFSK00
	S001665	CINSK00
	S001664	CIDBK00
	S001660	CUGRK00
	S001659	CPUTK00
	S001658	CPRRK00
	S001657	CPFUK00
	S001656	CPFLK00
	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

CA RS Level	Service	FMID
	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
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

CA RS Level	Service	FMID
CAR1801	R099853	CRCXK00
	R099748	CINSK00
	R099574	CUGRK00
	R099573	CTGRK00
	R099572	CRCXK00
	R099571	CRCUK00
	R099570	CRCSK00
	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
	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	CRCSK00
	R097719	CRCQK00

CA RS Level	Service	FMID
	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
	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

CA RS Level	Service	FMID
	R095972	CUTSK00
	R095918	CUTSK00