

Service	Description	Type
LU08283	IMPROVED ZIIP OFFLOAD AND PBG COMPRESSION OPTIMIZATION	PTF
LU08284	IMPROVED ZIIP OFFLOAD AND PBG COMPRESSION OPTIMIZATION	PTF
LU08285	IMPROVED ZIIP OFFLOAD AND PBG COMPRESSION OPTIMIZATION	PTF
LU08288	INABILITY TO DEACTIVATE COLLECTION OF THRESHOLD VALUES	PTF
LU08289	INABILITY TO DEACTIVATE COLLECTION OF THRESHOLD VALUES	PTF
LU08408	IMPROVED ZIIP OFFLOAD AND PBG COMPRESSION OPTIMIZATION	PTF
LU08535	ARCHITECTURAL RUNWAY CHANGE	PTF
LU08554	PDA UPDATE TO DISPLAY OF LEVEL SET VERSION STRING	PTF
LU08555	PDA UPDATE TO DISPLAY OF LEVEL SET VERSION STRING	PTF
LU08556	PDA UPDATE TO DISPLAY OF LEVEL SET VERSION STRING	PTF
LU08599	GROUP ICL ISSUES RCO0013E IF THE ICL IS TO ALTER PRIMARY KEY	PTF
LU08600	PSA\$CTLH DATA AREA MAY NOT BE FREED FOLLOWING INTERNVAL END.	PTF
LU08618	RECOVER & ACCUMULATE ON INDEX TO LOGPOINT THROW PFR0398E	PTF
LU08621	PQC UNABLE TO CLEAR LOCKS, RETRIES EXHAUSTED	PTF
LU08636	ENHANCED SUPPORT FOR ALTER TABLESPACE STATEMENTS	PTF
LU08637	ENHANCED SUPPORT FOR ALTER TABLESPACE STATEMENTS	PTF
LU08671	QUICK COPY CREATES BAD IMAGE COPY FOR LOB TABLESPACE	PTF
LU08673	INFRASTRUCTURE FOR FUTURE ENHANCEMENTS	PTF
LU08674	INFRASTRUCTURE FOR FUTURE ENHANCEMENTS	PTF
LU08675	INFRASTRUCTURE FOR FUTURE ENHANCEMENTS	PTF
LU08694	SC03 IN RCM ANALYSIS EXECUTION WITH RECOVERY	PTF
LU08696	ADD SUPPORT FOR EXTERNAL STORED PROCEDURES	PTF
LU08697	ADD SUPPORT FOR EXTERNAL STORED PROCEDURES	PTF
LU08698	ADD SUPPORT FOR EXTERNAL STORED PROCEDURES	PTF
LU08699	ADD SUPPORT FOR EXTERNAL STORED PROCEDURES	PTF
LU08722	FIX ABEND IN OFAPROC AND OTHER POST INSTALL CLEANUP	PTF
LU08726	INCORRECTLY GENERATED LOG APPLY CONTROL FILE	PTF
LU08737	INFRASTRUCTURE FOR FUTURE ENHANCEMENTS	PTF
LU08738	INFRASTRUCTURE FOR FUTURE ENHANCEMENTS	PTF
LU08739	INFRASTRUCTURE FOR FUTURE ENHANCEMENTS	PTF
LU08743	NEW PARAMETER TO LIMIT HISTORICAL INTERVAL RANGE FOR MTCDBM	PTF
LU08746	SOC3 ABEND IN PFR WITH LOGONLY OR FROMRBA KEYWORD IN SYSIN	PTF
LU08749	SECURITY OR INTEGRITY PROBLEM	** PRP **
LU08791	REBUILD INDEX ISSUE LEVELID ERROR WITH REASON=X'00C2010D'	PTF
LU08796	NEGATIVE FLOAT NUMBERS LOADED INCORRECTLY WITH D-A CRITICAL	PTF
LU08797	NEGATIVE FLOAT NUMBERS LOADED INCORRECTLY WITH D-A CRITICAL	PTF
LU08816	UPDATE PDT TO DISPLAY LEVEL SET VERSION_STRING	PTF
LU08817	UPDATE PDT TO DISPLAY LEVEL SET VERSION_STRING	PTF
LU08819	UPDATE PSA TO DISPLAY LEVEL SET VERSION_STRING	PTF
LU08820	UPDATE PSA TO DISPLAY LEVEL SET VERSION_STRING	PTF
LU08822	UPDATE PTT TO DISPLAY LEVEL SET VERSION_STRING	PTF
LU08828	INDEXES IN RECP STATUS AFTER SUCCESSFUL LOAD AND EMPTY INPUT	** PRP **
LU08838	CONSISTENT TIME FIELD FORMATTING FOR SORTING	PTF
LU08839	CONSISTENT TIME FIELD FORMATTING FOR SORTING	PTF
LU08840	CONSISTENT TIME FIELD FORMATTING FOR SORTING	PTF
LU08848	FIRST UPDATE LOG RECORD DOES NOT EXPAND CORRECTLY	PTF
LU08852	DIAG/DUMP ABEND SOC1_IN DTSDII	PTF

Database Management Solutions for Db2 for z/OS 20.0
CA RS 2302 Service List

2

Service	Description	Type
LU08861	INFRASTRUCTURE FOR FUTURE ENHANCEMENT	PTF
LU08862	INFRASTRUCTURE FOR FUTURE ENHANCEMENT	PTF
LU08863	INFRASTRUCTURE FOR FUTURE ENHANCEMENT	PTF
LU08864	INFRASTRUCTURE FOR FUTURE ENHANCEMENT	PTF
The CA RS 2302 service count for this release is 51		

Database Management Solutions for Db2 for z/OS
CA RS 2302 Service List for CIDBK00

3

FMID	Service	Description	Type
CIDBK00	LU08861	INFRASTRUCTURE FOR FUTURE ENHANCEMENT	PTF
The CA RS 2302 service count for this FMID is 1			

Database Management Solutions for Db2 for z/OS
CA RS 2302 Service List for CINSK00

4

FMID	Service	Description	Type
CINSK00	LU08288	INABILITY TO DEACTIVATE COLLECTION OF THRESHOLD VALUES	PTF
	LU08408	IMPROVED ZIIP OFFLOAD AND PBG COMPRESSION OPTIMIZATION	PTF
	LU08535	ARCHITECTURAL RUNWAY CHANGE	PTF
	LU08554	PDA UPDATE TO DISPLAY OF LEVEL SET VERSION STRING	PTF
	LU08599	GROUP ICL ISSUES RCO0013E IF THE ICL IS TO ALTER PRIMARY KEY	PTF
	LU08673	INFRASTRUCTURE FOR FUTURE ENHANCEMENTS	PTF
	LU08694	SC03 IN RCM ANALYSIS EXECUTION WITH RECOVERY	PTF
	LU08696	ADD SUPPORT FOR EXTERNAL STORED PROCEDURES	PTF
	LU08722	FIX ABEND IN OFAPROC AND OTHER POST INSTALL CLEANUP	PTF
	LU08737	INFRASTRUCTURE FOR FUTURE ENHANCEMENTS	PTF
	LU08743	NEW PARAMETER TO LIMIT HISTORICAL INTERVAL RANGE FOR MTCDBM	PTF
	LU08796	NEGATIVE FLOAT NUMBERS LOADED INCORRECTLY WITH D-A CRITICAL	PTF
	LU08816	UPDATE PDT TO DISPLAY LEVEL SET VERSION_STRING	PTF
	LU08819	UPDATE PSA TO DISPLAY LEVEL SET VERSION_STRING	PTF
	LU08822	UPDATE PTT TO DISPLAY LEVEL SET VERSION_STRING	PTF
	LU08838	CONSISTENT TIME FIELD FORMATTING FOR SORTING	PTF
	LU08862	INFRASTRUCTURE FOR FUTURE ENHANCEMENT	PTF
The CA RS 2302 service count for this FMID is 17			

Database Management Solutions for Db2 for z/OS
CA RS 2302 Service List for COFSK00

5

FMID	Service	Description	Type
COFSK00	LU08636	ENHANCED SUPPORT FOR ALTER TABLESPACE STATEMENTS	PTF
	LU08697	ADD SUPPORT FOR EXTERNAL STORED PROCEDURES	PTF
The CA RS 2302 service count for this FMID is 2			

Database Management Solutions for Db2 for z/OS
CA RS 2302 Service List for CPDAK00

6

FMID	Service	Description	Type
CPDAK00	LU08289	INABILITY TO DEACTIVATE COLLECTION OF THRESHOLD VALUES	PTF
	LU08555	PDA UPDATE TO DISPLAY OF LEVEL SET VERSION STRING	PTF
	LU08674	INFRASTRUCTURE FOR FUTURE ENHANCEMENTS	PTF
	LU08738	INFRASTRUCTURE FOR FUTURE ENHANCEMENTS	PTF
The CA RS 2302 service count for this FMID is 4			

Database Management Solutions for Db2 for z/OS
CA RS 2302 Service List for CPDTK00

7

FMID	Service	Description	Type
CPDTK00	LU08817	UPDATE PDT TO DISPLAY LEVEL SET VERSION_STRING	PTF
	LU08839	CONSISTENT TIME FIELD FORMATTING FOR SORTING	PTF
	LU08852	DIAG/DUMP ABEND SOC1_IN DT\$DII	PTF
	LU08863	INFRASTRUCTURE FOR FUTURE ENHANCEMENT	PTF
The CA RS 2302 service count for this FMID is 4			

Database Management Solutions for Db2 for z/OS
CA RS 2302 Service List for CPFLK00

8

FMID	Service	Description	Type
CPFLK00	LU08283	IMPROVED ZIIP OFFLOAD AND PBG COMPRESSION OPTIMIZATION	PTF
	LU08797	NEGATIVE FLOAT NUMBERS LOADED INCORRECTLY WITH D-A CRITICAL	PTF
	LU08828	INDEXES IN RECP STATUS AFTER SUCCESSFUL LOAD AND EMPTY INPUT	** PRP **
The CA RS 2302 service count for this FMID is 3			

Database Management Solutions for Db2 for z/OS
CA RS 2302 Service List for CPLAK00

9

FMID	Service	Description	Type
CPLAK00	LU08637	ENHANCED SUPPORT FOR ALTER TABLESPACE STATEMENTS	PTF
	LU08726	INCORRECTLY GENERATED LOG APPLY CONTROL FILE	PTF
	LU08848	FIRST UPDATE LOG RECORD DOES NOT EXPAND CORRECTLY	PTF
The CA RS 2302 service count for this FMID is 3			

FMID	Service	Description	Type
CPRFK02	LU08749	SECURITY OR INTEGRITY PROBLEM	** PRP **
The CA RS 2302 service count for this FMID is 1			

FMID	Service	Description	Type
CPSAK00	LU08600	PSA\$CTLH DATA AREA MAY NOT BE FREED FOLLOWING INTERVAL END.	PTF
	LU08820	UPDATE PSA TO DISPLAY LEVEL SET VERSION_STRING	PTF
	LU08840	CONSISTENT TIME FIELD FORMATTING FOR SORTING	PTF
	LU08864	INFRASTRUCTURE FOR FUTURE ENHANCEMENT	PTF
The CA RS 2302 service count for this FMID is 4			

FMID	Service	Description	Type
CPUTK00	LU08284	IMPROVED ZIIP OFFLOAD AND PBG COMPRESSION OPTIMIZATION	PTF
	LU08556	PDA UPDATE TO DISPLAY OF LEVEL SET VERSION STRING	PTF
	LU08675	INFRASTRUCTURE FOR FUTURE ENHANCEMENTS	PTF
	LU08739	INFRASTRUCTURE FOR FUTURE ENHANCEMENTS	PTF
The CA RS 2302 service count for this FMID is 4			

FMID	Service	Description	Type
CRCMK00	LU08698	ADD SUPPORT FOR EXTERNAL STORED PROCEDURES	PTF
The CA RS 2302 service count for this FMID is 1			

Database Management Solutions for Db2 for z/OS
CA RS 2302 Service List for CRCUK00

14

FMID	Service	Description	Type
CRCUK00	LU08699	ADD SUPPORT FOR EXTERNAL STORED PROCEDURES	PTF
The CA RS 2302 service count for this FMID is 1			

FMID	Service	Description	Type
CUGRK00	LU08285	IMPROVED ZIIP OFFLOAD AND PBG COMPRESSION OPTIMIZATION	PTF
	LU08618	RECOVER & ACCUMULATE ON INDEX TO LOGPOINT THROW PFR0398E	PTF
	LU08621	PQC UNABLE TO CLEAR LOCKS, RETRIES EXHAUSTED	PTF
	LU08671	QUICK COPY CREATES BAD IMAGE COPY FOR LOB TABLESPACE	PTF
	LU08746	SOC3 ABEND IN PFR WITH LOGONLY OR FROMRBA KEYWORD IN SYSIN	PTF
	LU08791	REBUILD INDEX ISSUE LEVELID ERROR WITH REASON=X'00C2010D'	PTF
The CA RS 2302 service count for this FMID is 6			

Service	Details
LU08283	LU08283 M.C.S. ENTRIES = ++PTF (LU08283) REWORK(2023003) IMPROVED ZIIP OFFLOAD AND PBG COMPRESSION OPTIMIZATION ENHANCEMENT DESCRIPTION: Fast Load for Db2 for z/OS (PFL) has been enhanced to improve the elapsed time to process compressed PBG tablespaces and increase the zIIP offload for all tablespace types. PRODUCT(S) AFFECTED: Fast Load for Db2 for z/OS Version 20.0 Related Problem: PFL 18496 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02365-D200 DESC(IMPROVED ZIIP OFFLOAD AND PBG COMPRESSION OPTIMIZATION). ++VER (Z038) FMID (CPFLK00) PRE (LU00178 LU00436 LU01379 LU01720 LU02243 LU03191 LU03577 LU03684 LU03846 LU04159 LU04417 LU04616 LU04980 LU05207 LU05225 LU05348 LU05457 LU05880 LU06304 LU06365 LU07264 LU07461 LU07483 R096581 R097708 R099557 S000018 S000704 S001656 S004275 S004459 S004857 S005012 S006117 S007170 S007811 S008428 S009024 S009977 S010195 S011325 S011431 S011601 S011846 S011996 S012128 S012150 S012275 S012526 S012984 S013066 S013097 S013175 S013203 S013765 S014031 S014772 S015015 S015312 S015484 S015738 S016089) SUP (AS14772 LT02258 LT02485 LT08283 LU02258 LU02485 S014252 S015771 ST14252 ST15281 ST15288 ST15771 TR99436) ++IF FMID(CINSK00) REQ(LU08408). ++IF FMID(CPUTK00) REQ(LU08284). ++IF FMID(CUGRK00) REQ(LU08285). ++HOLD (LU08283) SYSTEM FMID(CPFLK00) REASON (MSGSKEL) DATE (23003) COMMENT (<pre> +-----+ 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 +-----+-----+ ***** * STEPS TO PERFORM * ***** XMESSAGE components have changes as part of this maintenance. </pre>

Service	Details
	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
LU08284	LU08284 M.C.S. ENTRIES = ++PTF (LU08284) REWORK(2023003) IMPROVED ZIIP OFFLOAD AND PBG COMPRESSION OPTIMIZATION ENHANCEMENT DESCRIPTION: Fast Load for Db2 for z/OS (PFL) has been enhanced to improve the elapsed time to process compressed PBG tablespaces and increase the zIIP offload for all tablespace types. PRODUCT(S) AFFECTED: Fast Load for Db2 for z/OS Version 20.0 Related Problem: PFL 18496 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02365-D200 DESC(IMPROVED ZIIP OFFLOAD AND PBG COMPRESSION OPTIMIZATION). ++VER (Z038) FMID (CPUTK00) PRE (LU04427 LU07976 R098969 S000024 S009027 S011999 S012153 S013205 S014035 S015486) SUP (AL07976 LT08242 LT08284 LU08242) ++IF FMID(CINSK00) REQ(LU08408). ++IF FMID(CPFLK00) REQ(LU08283). ++IF FMID(CUGRK00) REQ(LU08285).

Service	Details
LU08285	LU08285 M.C.S. ENTRIES = ++PTF (LU08285) REWORK(2023003) IMPROVED ZIIP OFFLOAD AND PBG COMPRESSION OPTIMIZATION ENHANCEMENT DESCRIPTION: Fast Load for Db2 for z/OS (PFL) has been enhanced to improve the elapsed time to process compressed PBG tablespaces and increase the zIIP offload for all tablespace types. PRODUCT(S) AFFECTED: Fast Load for Db2 for z/OS Version 20.0 Related Problem: PFL 18496 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02365-D200 DESC(IMPROVED ZIIP OFFLOAD AND PBG COMPRESSION OPTIMIZATION). ++VER (Z038) FMID (CUGRK00) PRE (LU04435) SUP (LT08285) ++IF FMID(CINSK00) REQ(LU08408). ++IF FMID(CPFLK00) REQ(LU08283). ++IF FMID(CPUTK00) REQ(LU08284).

Service	Details
LU08288	LU08288 M.C.S. ENTRIES = ++PTF (LU08288) REWORK(2023024) INABILITY TO DEACTIVATE COLLECTION OF THRESHOLD VALUES PROBLEM DESCRIPTION: The collection of Capture Threshold Values (CTV) statistics cannot be deactivated for Database Analyzer for Db2 for z/OS (PDA) in the product-specific section of Db2 Tools Post Install Customization (INS). The collection of CTV statistics can result in large amounts of data being generated when when RTOS is used in Extract Procedures in busy subsystems. SYMPTOMS: The size of the PDA internal tables for CTV (PTI.RAOS_CTV_2000 and PTI.RAOS_CTVAP_2000) increases with each PDA RTOS extract execution. IMPACT: A large amount of data is generated in the PDA internal tables. CIRCUMVENTION: The user can turn off the collection of CTV statistics by manually editing the PDA parmlib member and specifying COLLECT_CTV (X). PRODUCT(S) AFFECTED: Database Analyzer for Db2 for z/OS Version 20.0 Related Problem: PDA 18980 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02366-D200 DESC(INABILITY TO DEACTIVATE COLLECTION OF THRESHOLD VALUES). ++VER (Z038) FMID (CINSK00) PRE (LU00145 LU01625 LU03761 LU03813 LU04412 LU04988 LU06300 LU06755 LU08125 R099553 S014174) SUP (LT08288) ++IF FMID(CPDAK00) REQ(LU08289).

Service	Details
LU08289	LU08289 M.C.S. ENTRIES = ++PTF (LU08289) REWORK(2023024) INABILITY TO DEACTIVATE COLLECTION OF THRESHOLD VALUES PROBLEM DESCRIPTION: The collection of Capture Threshold Values (CTV) statistics cannot be deactivated for Database Analyzer for Db2 for z/OS (PDA) in the product-specific section of Db2 Tools Post Install Customization (INS). The collection of CTV statistics can result in large amounts of data being generated when when RTOS is used in Extract Procedures in busy subsystems. SYMPTOMS: The size of the PDA internal tables for CTV (PTI.RAOS_CTV_2000 and PTI.RAOS_CTVAP_2000) increases with each PDA RTOS extract execution. IMPACT: A large amount of data is generated in the PDA internal tables. CIRCUMVENTION: The user can turn off the collection of CTV statistics by manually editing the PDA parmlib member and specifying COLLECT_CTV (X). PRODUCT(S) AFFECTED: Database Analyzer for Db2 for z/OS Version 20.0 Related Problem: PDA 18980 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02366-D200 DESC(INABILITY TO DEACTIVATE COLLECTION OF THRESHOLD VALUES). ++VER (Z038) FMID (CPDAK00) PRE (LU00146 LU00314 LU01626 LU02095 LU02456 LU03814 LU04415 LU04989 LU06141 LU06301 LU06307 LU07486 LU08032 R099555 SO00017 SO09652 SO10042 SO14175) SUP (LT06584 LT08289 LU06584) ++IF FMID(CINSK00) REQ(LU08288). ++HOLD (LU08289) SYSTEM FMID(CPDAK00) REASON (AO) DATE (23024) COMMENT (<pre> +-----+ Database Analyzer for Db2 for z/OS Version 20.0 +-----+-----+ SEQUENCE Review CVT data collection settings +-----+-----+ PURPOSE Customer Notification +-----+-----+ USERS AFFECTED Database Analyzer users +-----+-----+ KNOWLEDGE 1. Db2 Tools Post Install Customization. REQUIRED 2. Usage of Database Analyzer. +-----+-----+ ACCESS REQUIRED Db2 Tools Post Install +-----+-----+ ***** * STEPS TO PERFORM * ***** </pre>

Service	Details
	Database Analyzer's default behavior has been changed so that collection of threshold/condition values (CTV) that trigger its actions is disabled by default. The collection is controlled by the COLLECT_CTV PDA parmlib option and its new default is set to 0. In case PDA parmlib member is missing or COLLECT_CTV is not present in PDA parmlib member the collection of Capture Threshold Values will stop. Otherwise the parameter value is respected. If the COLLECT_CTV parameter is set to 0, the obsolete data in the PDA internal tables PTI.RAOS_CTV_2000 and PTI.RAOS_CTVAP_2000 tables will not be automatically removed. 1. Review and update your PDA parmlib member manually or with post-install panels so that COLLECT_CTV is set to the desired value. 2. Optionally remove data from the PTI.RAOS_CTV_2000 and PTI.RAOS_CTVAP_2000 tables if CTV data collection is disabled.). ++HOLD (LU08289) SYSTEM FMID(CPDAK00) REASON (MSGSKEL) DATE (23024) COMMENT (<pre> +-----+ Database Analyzer 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 +-----+-----+ ***** * 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
LU08408	LU08408 M.C.S. ENTRIES = ++PTF (LU08408) REWORK(2023003) IMPROVED ZIIP OFFLOAD AND PBG COMPRESSION OPTIMIZATION ENHANCEMENT DESCRIPTION: Fast Load for Db2 for z/OS (PFL) has been enhanced to improve the elapsed time to process compressed PBG tablespaces and increase the zIIP offload for all tablespace types. PRODUCT(S) AFFECTED: Fast Load for Db2 for z/OS Version 20.0 Related Problem: PFL 18496 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02365-D200 DESC(IMPROVED ZIIP OFFLOAD AND PBG COMPRESSION OPTIMIZATION). ++VER (Z038) FMID (CINSK00) PRE (LU04412) SUP (LT08408) ++IF FMID(CPFLK00) REQ(LU08283). ++IF FMID(CPUTK00) REQ(LU08284). ++IF FMID(CUGRK00) REQ(LU08285).

Service	Details
LU08535	LU08535 M.C.S. ENTRIES = ++PTF (LU08535) REWORK(2023006) ARCHITECTURAL RUNWAY CHANGE ENHANCEMENT DESCRIPTION: This is an architectural runway change to support future enhancements. PRODUCT(S) AFFECTED: Database Management Solutions for Db2 for z/OS Version 20.0 Related Problem: GEN 18313 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02394-D200 DESC (ARCHITECTURAL RUNWAY CHANGE). ++VER (Z038) FMID (CINSK00) PRE (LU01978 LU04412) SUP (LT08505 LT08513 LT08534 LT08535) ++HOLD (LU08535) SYSTEM FMID(CINSK00) REASON (RESTART) DATE (23006) COMMENT (<pre> +-----+ Db2 Common Components Version 20.0 +-----+-----+ SEQUENCE Before Apply +-----+-----+ PURPOSE Avoidance of module mismatch related errors in an Xmanager +-----+-----+ USERS Collections of Db2 statistics via Detector or Subsystem AFFECTED Analyzer. Db2 subsystems that have active collections. +-----+-----+ KNOWLEDGE 1. SMP/E REQUIRED 2. z/OS System Programming 3. Db2 Tools Installation and Maintenance procedures. +-----+-----+ ACCESS 1. Product runtime libraries. REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** To implement the PTF: 1. Stop product collections. 2. Stop the Xmanager task. 3. Update the runtime library. 4. Restart the Xmanager task. Important! Please do not apply maintenance to the Xmanager runtime libraries with Xmanager active as it may result in a discrepancy between dynamically loaded components and statically loaded components. This may result in unpredictable behavior with Db2 Tools and/or may compromise the operating system/Db2 including possible failures.).</pre>

Service	Details
LU08554	LU08554 M.C.S. ENTRIES = ++PTF (LU08554) REWORK(2023003) PDA UPDATE TO DISPLAY OF LEVEL SET VERSION STRING ENHANCEMENT DESCRIPTION: Database Analyzer for Db2 for z/OS (PDA) has been updated to display the new Level Set product version string (vv.rr.mm) on the main product panel for PDA and the following components: Dataset Facility DB2 Object Manager Utility Manager The other product panels will no longer display the version string. PRODUCT(S) AFFECTED: Database Analyzer for Db2 for z/OS Version 20.0 Related Problem: PDA 19129 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02397-D200 DESC(PDA UPDATE TO DISPLAY OF LEVEL SET VERSION STRING). ++VER (Z038) FMID (CINSK00) PRE (LU00332 LU03309 LU04412 LU06755) SUP (LT08554) ++IF FMID(CPDAK00) REQ(LU08555). ++IF FMID(CPUTK00) REQ(LU08556).

Service	Details
LU08555	LU08555 M.C.S. ENTRIES = ++PTF (LU08555) REWORK(2023003) PDA UPDATE TO DISPLAY OF LEVEL SET VERSION STRING ENHANCEMENT DESCRIPTION: Database Analyzer for Db2 for z/OS (PDA) has been updated to display the new Level Set product version string (vv.rr.mm) on the main product panel for PDA and the following components: Dataset Facility DB2 Object Manager Utility Manager The other product panels will no longer display the version string. PRODUCT(S) AFFECTED: Database Analyzer for Db2 for z/OS Version 20.0 Related Problem: PDA 19129 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02397-D200 DESC(PDA UPDATE TO DISPLAY OF LEVEL SET VERSION STRING). ++VER (Z038) FMID (CPDAK00) PRE (LU04415 LU06761) SUP (LT08555 S012624 ST12624) ++IF FMID(CINSK00) REQ(LU03309 LU08554). ++IF FMID(CPUTK00) REQ(LU08556).

Service	Details
LU08556	LU08556 M.C.S. ENTRIES = ++PTF (LU08556) REWORK(2023003) PDA UPDATE TO DISPLAY OF LEVEL SET VERSION STRING ENHANCEMENT DESCRIPTION: Database Analyzer for Db2 for z/OS (PDA) has been updated to display the new Level Set product version string (vv.rr.mm) on the main product panel for PDA and the following components: Dataset Facility DB2 Object Manager Utility Manager The other product panels will no longer display the version string. PRODUCT(S) AFFECTED: Database Analyzer for Db2 for z/OS Version 20.0 Related Problem: PDA 19129 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02397-D200 DESC(PDA UPDATE TO DISPLAY OF LEVEL SET VERSION STRING). ++VER (Z038) FMID (CPUTK00) PRE (LU04427 LU06826) SUP (LT08556) ++IF FMID(CINSK00) REQ(LU03309 LU08554). ++IF FMID(CPDAK00) REQ(LU08555).

Service	Details
LU08599	LU08599 M.C.S. ENTRIES = ++PTF (LU08599) REWORK(2023006) GROUP ICL ISSUES RC00013E IF THE ICL IS TO ALTER PRIMARY KEY PROBLEM DESCRIPTION: RC/Migrator for DB2 for z/OS (RCM) Group ICL analysis will issue message RC00013E without generating the CREATE TABLE DDL if the following conditions are true: 1) The DB2 version for the target subsystem is >= 'V12R1M502'. 2) The table is defined with a primary key constraint. SYMPTOMS: RC00013E: Internal Error service(ZOMPDCNV) RC=16 ;16 ,12 The CREATE TABLE DDL is missing from the generated script. IMPACT: The expected CREATE TABLE DDL is not generated. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: RC/Migrator for Db2 for z/OS Version 20.0 Related Problem: RCM 19238 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02401-D200 DESC(GROUP ICL ISSUES RC00013E IF THE ICL IS TO ALTER PRIMARY KEY). ++VER (Z038) FMID (CINSK00) PRE (LU03314 LU03657 LU03923 LU04412 LU05886 LU06629 LU07268 S007379 S011966 S012933) SUP (LT00368 LT08599 LU00368 S009892 ST09892)

Service	Details
LU08600	LU08600 M.C.S. ENTRIES = ++PTF (LU08600) REWORK(2023004) PSA\$CTLH DATA AREA MAY NOT BE FREED FOLLOWING INTERVAL END. PROBLEM DESCRIPTION: Subsystem Analyzer for Db2 for z/OS (PSA) may leak the PSA\$CTLH data following its use in interval end processing. SYMPTOMS: Xmanager private area memory use may grow slowly over time. IMPACT: XManager storage may become constrained if the PSA collection is active for a large number of intervals. CIRCUMVENTION: N/A PRODUCT(S) AFFECTED: Subsystem Analyzer for Db2 for z/OS Version 20.0 Related Problem: PSA 19202 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02402-D200 DESC(PSA\$CTLH DATA AREA MAY NOT BE FREED FOLLOWING INTERVAL END.). ++VER (Z038) FMID (CPSAK00) PRE (LU01990 LU03601 LU04232 LU04426 LU05515 LU07723 R097716 S000871 S004468 S008190 S009267 S010867 S012926 S014681 S016175) SUP (LT08600) ++HOLD (LU08600) SYSTEM FMID(CPSAK00) REASON (RESTART) DATE (23004) COMMENT (<pre> +-----+ Subsystem Analyzer 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
LU08618	LU08618 M.C.S. ENTRIES = ++PTF (LU08618) REWORK(2023006) RECOVER & ACCUMULATE ON INDEX TO LOGPOINT THROW PFR0398E PROBLEM DESCRIPTION: Fast Recover for Db2 for z/OS (PFR) may fail to recover index when ICTYPE 'P' is created in SYSIBM.SYSCOPY for tablespace only. The indexspace recovery or accumulate is not allowed to the full copy created after ICTYPE 'P' and it issues error PFR0398E. SYMPTOMS: Job ends with RC=8 and the error message PFR0398E. PFR0398E - CANNOT RECOVER INDEXSPACE 'DBXXXXXX.ISXXXXXX': TARGET PIT RBA/LRSN = X'FFFFFFFFFFFFFFFFFFFF' MIGHT NOT BE CONSISTENT WITH 'DBXXXXXX.TSXXXXXX' SYSCOPY ENTRY RBA/LRSN = X'FFFFFFFFFFFFFFFFFFFF' , ICTYPE = 'P' , STYPE = '' IMPACT: Recover or Accumulate for indexspace may fail. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Fast Recover for Db2 for z/OS Version 20.0 0 Merge/Modify for Db2 for z/OS Version 20.0 Related Problem: PFR 19062 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02404-D200 DESC(RECOVER & ACCUMULATE ON INDEX TO LOGPOINT THROW PFR0398E). ++VER (Z038) FMID (CUGRK00) PRE (LU00728 LU03859 LU04103 LU04435 LU05850 LU07265 R096595 R099574 S000029 S000788 S001660 S001855 S004251 S004475 S006132 S006879 S008280 S009903 S012155 S012352 S013130 S014568) SUP (LT02385 LT08618 LU02385)

Service	Details
LU08621	LU08621 M.C.S. ENTRIES = ++PTF (LU08621) REWORK(2023006) PQC UNABLE TO CLEAR LOCKS, RETRIES EXHAUSTED PROBLEM DESCRIPTION: Quick Copy for Db2 for z/OS (PQC) fails with PQC0196E when there are tolerated locks present for the object which is not in R0 status. It retries the lock checking till maximum because the status of object is still not R0 and throws error PQC0196E when retries exhausted. SYMPTOMS: Job ends with RC=8 with the below error message, PQC0196E UNABLE TO CLEAR LOCKS, RETRIES EXHAUSTED . IMPACT: PQC may fail when tolerated LOCKS are present for the object which is not in R0 status. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Quick Copy for Db2 for z/OS (PQC) Version 20.0 Related Problem: PQC 19207 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02405-D200 DESC(PQC UNABLE TO CLEAR LOCKS, RETRIES EXHAUSTED) . ++VER (Z038) FMID (CUGRK00) PRE (LU03235 LU04435 LU05869 R099574 S000029 S000201 S001660 S003816 S004475 S006069 S006132 S006879 S007826 S009595 S009903 S010044 S010819 S011605 S011686 S011929 S012279 S012530 S013768 S015711) SUP (LT08621 S004048 ST04048)

Service	Details
LU08636	LU08636 M.C.S. ENTRIES = ++PTF (LU08636) REWORK(2023010) ENHANCED SUPPORT FOR ALTER TABLESPACE STATEMENTS ENHANCEMENT DESCRIPTION: Log Analyzer for Db2 for z/OS (PLA) has added support for the following ALTER TABLESPACE options for DDL reports and the generation of REDO/UNDO SQL: <pre>ALTER TABLESPACE dbname.tsname BUFFERPOOL bpname ALTER TABLESPACE dbname.tsname DSSIZE integer G ALTER TABLESPACE dbname.tsname INSERT ALGORITHM level ALTER TABLESPACE dbname.tsname MAXPARTITIONS integer ALTER TABLESPACE dbname.tsname MEMBER CLUSTER YES/NO ALTER TABLESPACE dbname.tsname SEGSIZE integer</pre> PRODUCT(S) AFFECTED: Log Analyzer for Db2 for z/OS Version 20.0 Related Problem: PLA 18645 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02406-D200 DESC(ENHANCED SUPPORT FOR ALTER TABLESPACE STATEMENTS). ++VER (Z038) FMID (COFSK00) PRE (LU00531 LU03315 LU03659 LU04413 LU07688 LU08241 R096577 R099554 S001397 S004456 S006114 S006864 S012362 S015062 S015225 S015440) SUP (LT08636) ++IF FMID(CPLAK00) REQ(LU08637).

Service	Details
LU08637	LU08637 M.C.S. ENTRIES = ++PTF (LU08637) REWORK(2023010) ENHANCED SUPPORT FOR ALTER TABLESPACE STATEMENTS ENHANCEMENT DESCRIPTION: Log Analyzer for Db2 for z/OS (PLA) has added support for the following ALTER TABLESPACE options for DDL reports and the generation of REDO/UNDO SQL: ALTER TABLESPACE dbname.tsname BUFFERPOOL bpname ALTER TABLESPACE dbname.tsname DSSIZE integer G ALTER TABLESPACE dbname.tsname INSERT ALGORITHM level ALTER TABLESPACE dbname.tsname MAXPARTITIONS integer ALTER TABLESPACE dbname.tsname MEMBER CLUSTER YES/NO ALTER TABLESPACE dbname.tsname SEGSIZE integer PRODUCT(S) AFFECTED: Log Analyzer for Db2 for z/OS Version 20.0 Related Problem: PLA 18645 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved RO2406-D200 DESC(ENHANCED SUPPORT FOR ALTER TABLESPACE STATEMENTS). ++VER (Z038) FMID (CPLAK00) PRE (LU00672 LU01043 LU02230 LU02381 LU03250 LU03282 LU03316 LU03660 LU03925 LU04419 LU05734 LU06217 LU06631 LU07561 RO99559 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 LT08637 LU02213 LU04562 LU06433 S014142 S014949 ST14142 ST14924 ST14949) ++IF FMID(COFSK00) REQ(LU08636).

Service	Details
LU08671	LU08671 M.C.S. ENTRIES = ++PTF (LU08671) REWORK(2023019) QUICK COPY CREATES BAD IMAGE COPY FOR LOB TABLESPACE PROBLEM DESCRIPTION: Quick Copy for Db2 for z/OS (PQC) creates an invalid image copy for any LOB object that has a HLSMAP which is not fully allocated.Recovery from that image copy may corrupt the VSAM and make the LOB tablespace unavailable. SYMPTOMS: SELECT query on the LOB tablespace after recovery shows below DSNT418I SQLSTATE = 01004 SQLSTATE RETURN CODE DSNT415I SQLERRP = DSN SQL PROCEDURE DETECTING ERROR DSNT416I SQLERRD = 0 0 0 -1 0 0 SQL DIAGNOSTIC INFORMATION DSNT416I SQLERRD = X'00000000' X'00000000' X'00000000' X'FFFFFFFF' X'00000000' X'00000000' SQL DIAGNOSTIC INFORMATION DSNT417I SQLWARN0-5 = W,W,,, SQL WARNINGS DSNT417I SQLWARN6-A = ,,,, SQL WARNINGS CHECK LOB may give below error. DSNU1720I DDD HH:MM:SS.NN DSNUKLBD - PAGE X'00000000' IN LOB SECTION MAP IS MISSING A LOW-LEVEL SPACE MAP ENTRY. ROWID X'OFFFFFFFFF' VERSION X'NNNN' DSNU1706I DDD HH:MM:SS.NN DSNUKLBD - PAGE X'00000000' MISSING IN LOB SECTION MAP. ROWID X'OFFFFFFFFF' VERSION X'NNNN' IMPACT: Quick copy of LOB tablespace may corrupt VSAM. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Quick Copy for Db2 for z/OS (PQC) Version 20.0 Related Problem: PQC 19116 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02407-D200 DESC(QUICK COPY CREATES BAD IMAGE COPY FOR LOB TABLESPACE). ++VER (Z038) FMID (CUGRK00) PRE (LU00141 LU01936 LU02529 LU02762 LU04435 LU06423 R099574 S000029 S000201 S001660 S004475 S005018 S006069 S006132 S006879 S007826 S008668 S009132 S009903 S011239 S015308 S015487 S015609 S016181) SUP (LT01893 LT02307 LT03073 LT05422 LT07311 LT08671 LU01893 LU02307 LU03073 LU05422 LU07311)

Service	Details
LU08673	LU08673 M.C.S. ENTRIES = ++PTF (LU08673) REWORK(2023013) INFRASTRUCTURE FOR FUTURE ENHANCEMENTS ENHANCEMENT DESCRIPTION: This enhancement consists of infrastructure updates that are needed for a future enhancement. PRODUCT(S) AFFECTED: Database Analyzer for Db2 for z/OS Version 20.0 Utilities Common Version 20.0 Related Problem: PDA 19295 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02408-D200 DESC(INFRASTRUCTURE FOR FUTURE ENHANCEMENTS) . ++VER (Z038) FMID (CINSK00) PRE (LU00135 LU00145 LU00890 LU01625 LU02455 LU03761 LU04121 LU04220 LU04412 LU06300 LU08549 R096576 R097704 S000016 S001396 S003843 S004455 S005011 S009022 S009761 S010041 S011234 S013682 S014029 S014174 S014731 S015129 S016205) SUP (AL02861 AS11234 LT02860 LT02861 LT03961 LT08673 LU02861 LU03961 S008016 S010639 S013320 S015770 ST08016 ST10639 ST13320 ST15770) ++IF FMID(CPDAK00) REQ(LU08674) . ++IF FMID(CPUTK00) REQ(LU08675) . CSECT (RAACATP,WH1KYS,WH2KYS,WL1KYS,WL2KYS) . CSECT (RAACATS,CLHKEYS,CLLKEYS,CONV_OUT) . CSECT (RAAMCTL,PDA2GLD,RSNCDCHK,DO#ESTAX,OWNCHECK,SBLDERR,ATTACH1,TASKMSG,MCTLVERC,MCTLEXTI,MCTLEXTM,SLIPTRAP,TABLE1) . CSECT (RAASBLD,SBLDESTA,HKEYS,LKEYS,DERIVEDF) . CSECT (RAASIX2,OPENDB,OPENERR,COLLESTG,IDPKEYDP,IXDIRPAG,INITSTAT,HIGHVALS) . CSECT (RAASTB,SEGTBL04,SEGTBL08,SEGTBL16,SEGTBL32,SETSPM#,INVEDPRC,FSSMPLNG,GETDECOMP,COLLESTG,GETDCTN,SYSP_RTN,HEADRTN,GETSEQ,GETDIRP,OPENFILE,CLOSFIL,OPENDSPR,EXCPERR,EXCPGETB,MAPAUDT,PAGEAUDT,SPMSTATS,SEGROUND,INITSTAT,CHKPMASK,CHKSPMAP,PROCPREC,VREX#CE,RELOC) .

Service	Details
LU08674	LU08674 M.C.S. ENTRIES = ++PTF (LU08674) REWORK(2023013) INFRASTRUCTURE FOR FUTURE ENHANCEMENTS ENHANCEMENT DESCRIPTION: This enhancement consists of infrastructure updates that are needed for a future enhancement. PRODUCT(S) AFFECTED: Database Analyzer for Db2 for z/OS Version 20.0 Utilities Common Version 20.0 Related Problem: PDA 19295 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02408-D200 DESC(INFRASTRUCTURE FOR FUTURE ENHANCEMENTS). ++VER (Z038) FMID (CPDAK00) PRE (LU00146 LU00314 LU00891 LU01089 LU01626 LU02456 LU03680 LU03762 LU04122 LU04415 LU04989 LU06141 LU06301 LU06854 LU07996 S000017 S006115 S009763 S013683) SUP (AL00146 BL00146 LT00257 LT00475 LT01067 LT01126 LT02194 LT02785 LT06394 LT07221 LT08297 LT08674 LU00257 LU00475 LU01126 LU02785 LU06394 LU07221 LU08297 S004010 ST04010 ST05436 ST05467 ST05510 ST05806 ST05830) ++IF FMID(CINSK00) REQ(LU08673). ++IF FMID(CPUTK00) REQ(LU08675).

Service	Details
LU08675	LU08675 M.C.S. ENTRIES = ++PTF (LU08675) REWORK(2023013) INFRASTRUCTURE FOR FUTURE ENHANCEMENTS ENHANCEMENT DESCRIPTION: This enhancement consists of infrastructure updates that are needed for a future enhancement. PRODUCT(S) AFFECTED: Database Analyzer for Db2 for z/OS Version 20.0 Utilities Common Version 20.0 Related Problem: PDA 19295 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02408-D200 DESC(INFRASTRUCTURE FOR FUTURE ENHANCEMENTS) . ++VER (Z038) FMID (CPUTK00) PRE (LU03234 LU04123 LU04427 LU08552 R098969 S000024 S007820 S011999 S012153 S013205 S014035) SUP (LT08675) ++IF FMID(CINSK00) REQ(LU08673) . ++IF FMID(CPDAK00) REQ(LU08674) .

Service	Details
LU08694	LU08694 M.C.S. ENTRIES = ++PTF (LU08694) REWORK(2023018) SC03 IN RCM ANALYSIS EXECUTION WITH RECOVERY PROBLEM DESCRIPTION: In the Batch Processor (RBP) component of the Database Management Solutions, execution of the DDL script generated by RC/Migrator for Db2 for z/OS (RCM) analysis with recovery fails on the dynamic allocation of DD PTIMSG01. The failure occurs when ALLOC(NO) and OUTDDN(PTIMSG) are specified in the FUNLD_R model. SYMPTOMS: The Batch Processor execution issues the following messages and fails with S001 and SC03 abends. IEC020I 001-5,jobname,stepname,PTIMSG01,JES IEC020I EROPT IS 'ABE' OR NOT SPECIFIED SYSTEM COMPLETION CODE=001 TIME=08.18.50 SEQ=65479 CPU=0000 ASID=0096 PSW AT TIME OF ERROR 078D1000 80E53A18 ILC 2 INTC 0D NO ACTIVE MODULE FOUND NAME=UNKNOWN SYSTEM COMPLETION CODE=C03 TIME=08.18.50 SEQ=65482 CPU=0000 ASID=0096 PSW AT TIME OF ERROR 070C0000 8EC3DE62 ILC 2 INTC 0D NO ACTIVE MODULE FOUND NAME=UNKNOWN BPA0071E: CALLED PROGRAM RML@SNAP ABENDED. ABEND CODE S001 REASON CODE 00000000 - PROCESSING TERMINATES. IMPACT: Execution of the Batch Processor script fails. CIRCUMVENTION: N/A PRODUCT(S) AFFECTED: Database Management Solutions for Db2 Common Components Version 20.0 Related Problem: RBP 19283 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02412-D200 DESC(SC03 IN RCM ANALYSIS EXECUTION WITH RECOVERY). ++VER (Z038) FMID (CINSK00) PRE (LU03666 LU04412 LU06051 R099553 S006638 S011078 S015980) SUP (AL06051 LT01494 LT06261 LT08694 LU01494 LU06261 S013075 ST13075)

Service	Details
LU08696	LU08696 M.C.S. ENTRIES = ++PTF (LU08696) REWORK(2023030) ADD SUPPORT FOR EXTERNAL STORED PROCEDURES ENHANCEMENT DESCRIPTION: RC/Compare for Db2 for z/OS (RCC) now supports the comparison of External Stored Procedures. Database administrators can now compare external stored procedures from Db2 subsystems or a DDL file and generate an update script to implement the changes. Additionally, ICL generation has been enhanced for stored procedures in both RC/Migrator for Db2 for z/OS (RCM) and RCC. PRODUCT(S) AFFECTED: RC/Compare for Db2 for z/OS Version 20.0 RC/Migrator for Db2 for z/OS Version 20.0 Related Problem: RCM 18143 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02413-D200 DESC(ADD SUPPORT FOR EXTERNAL STORED PROCEDURES). ++VER (Z038) FMID (CINSK00) PRE (LU00432 LU00438 LU00446 LU00508 LU00530 LU00914 LU01121 LU01705 LU01927 LU01978 LU02345 LU03142 LU03314 LU03657 LU03838 LU03878 LU03923 LU04136 LU04149 LU04412 LU04463 LU04488 LU04493 LU04573 LU04813 LU04874 LU04930 LU04950 LU05089 LU05111 LU05162 LU05243 LU05296 LU05382 LU05401 LU05629 LU05739 LU05886 LU06508 LU06576 LU06629 LU07204 LU07268 LU07559 LU07608 LU07687 LU07810 LU07836 LU08106 R096576 R097704 R099553 S000016 S001396 S001896 S004455 S004718 S004855 S005011 S005199 S006113 S006286 S006638 S006863 S007323 S007379 S007807 S008128 S008278 S008662 S008859 S009105 S009183 S009356 S009417 S009799 S009860 S010549 S010974 S011691 S011866 S011966 S012361 S012650 S012751 S012817 S012904 S012933 S013071 S013193 S013308 S013985 S014125 S014282 S014615 S014832 S014899 S015804) SUP (AL05739 AR97704 AS01396 AS04455 AS05873 AS07379 BS04455 BS07379 CS07379 LT00127 LT00242 LT00321 LT00325 LT00399 LT00426 LT00639 LT00678 LT00968 LT01118 LT01151 LT01357 LT01508 LT01694 LT01999 LT02053 LT02212 LT02420 LT02945 LT03221 LT03259 LT03291 LT03391 LT03603 LT03856 LT04146 LT04154 LT04167 LT04226 LT04376 LT04443 LT04458 LT04483 LT04529 LT04654 LT04746 LT05109 LT05142 LT05156 LT05241 LT05242 LT05278 LT05331 LT05359 LT05511 LT05623 LT05701 LT05764 LT05794 LT05982 LT05989 LT06052 LT06115 LT06117 LT06148 LT06172 LT06292 LT06407 LT06430 LT06635 LT06913 LT07070 LT07077 LT07177 LT07247 LT07248 LT07315 LT07346 LT07359 LT07436 LT07504 LT07569 LT07629 LT07743 LT07797 LT08077 LT08101 LT08441 LT08696 LT08842 LU00127 LU00242 LU00399 LU00426 LU00639 LU00678 LU00968 LU01118 LU01151 LU01357 LU01508 LU01694 LU01999 LU02053 LU02212 LU02420 LU02945 LU03221 LU03259 LU03291 LU03391 LU03856 LU04146 LU04167 LU04376 LU04443 LU04458 LU04483 LU04529 LU04654 LU04746 LU05109 LU05142 LU05156 LU05242 LU05278 LU05331 LU05359 LU05511 LU05701 LU05764 LU05794 LU05989 LU06052

Service	Details
	LU06115 LU06117 LU06148 LU06172 LU06292 LU06407 LU06430 LU06635 LU06913 LU07070 LU07077 LU07248 LU07315 LU07346 LU07359 LU07436 LU07504 LU07569 LU07629 LU07743 LU07797 LU08077 LU08101 LU08441 R099748 S000343 S001905 S005237 S005280 S005873 S006007 S007774 S007856 S008198 S008202 S008262 S008291 S008414 S008606 S008684 S008750 S008856 S008957 S009033 S009126 S009461 S009546 S009790 S009839 S010021 S010080 S010243 S010331 S010437 S010512 S010631 S010760 S010763 S010815 S010827 S010948 S010978 S011048 S011231 S011255 S011534 S011696 S011806 S011942 S011988 S012042 S012164 S012249 S012268 S012524 S012792 S012829 S012994 S013154 S013229 S013539 S013726 S013814 S013878 S013888 S013930 S013974 S014623 S015444 S015506 S015613 S015998 S016001 S016024 S016031 S016053 S016088 S016176 ST00343 ST01905 ST05065 ST05237 ST05280 ST05873 ST06007 ST06695 ST07198 ST07774 ST07856 ST08198 ST08202 ST08262 ST08291 ST08314 ST08395 ST08414 ST08606 ST08684 ST08750 ST08760 ST08780 ST08856 ST08916 ST08957 ST08965 ST09031 ST09033 ST09126 ST09385 ST09434 ST09461 ST09530 ST09546 ST09790 ST09791 ST09839 ST10021 ST10080 ST10243 ST10331 ST10437 ST10512 ST10631 ST10722 ST10760 ST10763 ST10815 ST10827 ST10948 ST10978 ST11048 ST11231 ST11255 ST11534 ST11648 ST11696 ST11741 ST11806 ST11942 ST11988 ST12042 ST12164 ST12249 ST12268 ST12511 ST12524 ST12792 ST12829 ST12994 ST13154 ST13229 ST13539 ST13726 ST13814 ST13878 ST13888 ST13930 ST13974 ST14623 ST15444 ST15506 ST15613 ST15998 ST16001 ST16011 ST16024 ST16031 ST16053 ST16088 ST16176 TR99748) ++IF FMID(COFSK00) REQ(LU08697). ++IF FMID(CRCMK00) REQ(LU08698). ++IF FMID(CRCUK00) REQ(LU08699). ++HOLD (LU08696) SYSTEM FMID(CINSK00) REASON (DB2BIND) DATE (23030) 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

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.). ++HOLD (LU08696) SYSTEM FMID(CINSK00) REASON (MSGSKEL) DATE (23030) COMMENT (<pre> +-----+ Db2 Common Components Version 20.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Relink XMESSAGES +-----+ USERS AFFECTED All Db2 Tools Users +-----+ KNOWLEDGE REQUIRED Db2 Tools Post Install Customization. +-----+ ACCESS 1. Db2 Tools Post Install REQUIRED 2. BIND Authority on Db2 subsystems +-----+ ***** * STEPS TO PERFORM * ***** XMESSAGE components have changes as part of this maintenance. If you do not customize XMESSAGES, no further action is required. 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
LU08697	LU08697 M.C.S. ENTRIES = ++PTF (LU08697) REWORK(2023030) ADD SUPPORT FOR EXTERNAL STORED PROCEDURES ENHANCEMENT DESCRIPTION: RC/Compare for Db2 for z/OS (RCC) now supports the comparison of External Stored Procedures. Database administrators can now compare external stored procedures from Db2 subsystems or a DDL file and generate an update script to implement the changes. Additionally, ICL generation has been enhanced for stored procedures in both RC/Migrator for Db2 for z/OS (RCM) and RCC. PRODUCT(S) AFFECTED: RC/Compare for Db2 for z/OS Version 20.0 RC/Migrator for Db2 for z/OS Version 20.0 Related Problem: RCM 18143 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02413-D200 DESC(ADD SUPPORT FOR EXTERNAL STORED PROCEDURES). ++VER (Z038) FMID (COFSK00) PRE (LU00531 LU01053 LU01107 LU02280 LU02437 LU03315 LU03659 LU03924 LU04085 LU04202 LU04413 LU05335 LU05528 LU05806 LU06047 LU06257 LU06630 LU07688 LU08097 LU08241 R096577 R097705 R099554 S001397 S001666 S004456 S006114 S006864 S007808 S008109 S008663 S011967 S012412 S013990 S015062 S015225 S015440 S016133) SUP (LT01273 LT01937 LT02633 LT02866 LT04444 LT06004 LT06914 LT08686 LT08697 LT08853 LU01937 LU02633 LU02866 LU04444 LU06914 S009128 S013758 S014655 ST09128 ST13745 ST13758 ST14655) ++IF FMID(CINSK00) REQ(LU08696). ++IF FMID(CRCMK00) REQ(LU08698). ++IF FMID(CRCUK00) REQ(LU08699).

Service	Details
LU08698	LU08698 M.C.S. ENTRIES = ++PTF (LU08698) REWORK(2023030) ADD SUPPORT FOR EXTERNAL STORED PROCEDURES ENHANCEMENT DESCRIPTION: RC/Compare for Db2 for z/OS (RCC) now supports the comparison of External Stored Procedures. Database administrators can now compare external stored procedures from Db2 subsystems or a DDL file and generate an update script to implement the changes. Additionally, ICL generation has been enhanced for stored procedures in both RC/Migrator for Db2 for z/OS (RCM) and RCC. PRODUCT(S) AFFECTED: RC/Compare for Db2 for z/OS Version 20.0 RC/Migrator for Db2 for z/OS Version 20.0 Related Problem: RCM 18143 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02413-D200 DESC(ADD SUPPORT FOR EXTERNAL STORED PROCEDURES). ++VER (Z038) FMID (CRCMK00) PRE (LU04429) SUP (LT08687 LT08698) ++IF FMID(CINSK00) REQ(LU08696). ++IF FMID(COFSK00) REQ(LU08697). ++IF FMID(CRCUK00) REQ(LU08699).

Service	Details
LU08699	LU08699 M.C.S. ENTRIES = ++PTF (LU08699) REWORK(2023030) ADD SUPPORT FOR EXTERNAL STORED PROCEDURES ENHANCEMENT DESCRIPTION: RC/Compare for Db2 for z/OS (RCC) now supports the comparison of External Stored Procedures. Database administrators can now compare external stored procedures from Db2 subsystems or a DDL file and generate an update script to implement the changes. Additionally, ICL generation has been enhanced for stored procedures in both RC/Migrator for Db2 for z/OS (RCM) and RCC. PRODUCT(S) AFFECTED: RC/Compare for Db2 for z/OS Version 20.0 RC/Migrator for Db2 for z/OS Version 20.0 Related Problem: RCM 18143 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02413-D200 DESC(ADD SUPPORT FOR EXTERNAL STORED PROCEDURES). ++VER (Z038) FMID (CRCUK00) PRE (LU00449 LU03663 LU04150 LU04432 LU05888 LU07271 R099571 SO07383 SO11867 SO11970 SO12365 SO12936) SUP (LT08699) ++IF FMID(CINSK00) REQ(LU08696). ++IF FMID(COFSK00) REQ(LU08697). ++IF FMID(CRCMK00) REQ(LU08698).

Service	Details		
LU08722	LU08722 M.C.S. ENTRIES = ++PTF (LU08722) REWORK(2023025) FIX ABEND IN OFAPROC AND OTHER POST INSTALL CLEANUP PROBLEM DESCRIPTION: Object Framework Services Agent (OFA) reports abends and hangs for serving requests from Database Management web services. SYMPTOMS: Db2 Administration start to time out in MTC DBM after some attempts. IMPACT: Users can't access Administration Reports until OFAPROC is cancelled (and restarted). CIRCUMVENTION: OFAPROC is cancelled when see THREAD ABENDED messages in OFA logs. Unless XNET is setup to auto-start OFAPROC, STC needs to be restarted. PRODUCT(S) AFFECTED: DB2 Common Components Version 20.0 Related Problem: INS 15909 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02414-D200 DESC(FIX ABEND IN OFAPROC AND OTHER POST INSTALL CLEANUP). ++VER (Z038) FMID (CINSK00) PRE (LU00438 LU01039 LU01106 LU01978 LU02279 LU03314 LU03657 LU03923 LU04084 LU04412 LU06046 LU06576 LU06629 LU06755 SO10004 SO12115 SO12933 SO13484 SO15804) SUP (LT08722) ++HOLD (LU08722) SYSTEM FMID(CINSK00) REASON (DB2BIND) DATE (23025) COMMENT (<table border="1"> <tr> <td>Db2 Common Components</td><td>Version 20.0</td></tr> </table> SEQUENCE After Apply PURPOSE Bind Plans and Packages USERS AFFECTED All Users KNOWLEDGE REQUIRED Db2 Tools Post Install Customization ACCESS 1. Db2 Tools Post Install REQUIRED 2. BIND, SYSADM or SYSCNTL on Db2 subsystem. ***** * STEPS TO PERFORM * ***** Bind Control Cards have changed as part of this maintenances. After this maintenance is applied, Bind Control cards must be regenerated for all installed product plans and packages. Refer to the Installing documentation for the Database Management	Db2 Common Components	Version 20.0
Db2 Common Components	Version 20.0		

Service	Details
	Solutions for Db2 for z/OS on https://techdocs.broadcom.com for more information about performing the task in the following step. 1. Using the newly generated Bind Control Cards, a Bind Replace must be performed on the plans and packages for all installed products. IMPORTANT! If SYSVIEW for Db2 is installed and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors.). ++HOLD (LU08722) SYSTEM FMID(CINSK00) REASON (MSGSKEL) DATE (23025) COMMENT (<pre> +-----+ Db2 Common Components Version 20.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE Relink XMESSAGES +-----+-----+ USERS AFFECTED All Db2 Tools Users +-----+-----+ KNOWLEDGE REQUIRED Db2 Tools Post Install Customization. +-----+-----+ ACCESS 1. Db2 Tools Post Install REQUIRED 2. BIND Authority on Db2 subsystems +-----+-----+ ***** * STEPS TO PERFORM * ***** XMESSAGE components have changes as part of this maintenance. If you do not customize XMESSAGES, no further action is required. 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
LU08726	LU08726 M.C.S. ENTRIES = ++PTF (LU08726) REWORK(2023016) INCORRECTLY GENERATED LOG APPLY CONTROL FILE PROBLEM DESCRIPTION: Log Analyzer for Db2 for z/OS (PLA) generates an incorrect control file for Log Apply. The problem occurs when the Extended Log RBA is included on the DML Load Format File Options panel. SYMPTOMS: The control file for the Log Apply utility contains prefix_EXTENDED_LOGRBA column and fails with the following message: LAE90107 Processing column: PLA_EXTENDED_LOGRBA IMPACT: The Log Apply utility cannot be run. CIRCUMVENTION: Delete all the lines from the control file that contain the following strings: ' ,prefix_EXTENDED_LOGRBA ' ' ,prefix_EXTENDED_LOGLRSN ' PRODUCT(S) AFFECTED: Log Analyzer for Db2 for z/OS Version 20.0 Related Problem: PLA 19373 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02415-D200 DESC(INCORRECTLY GENERATED LOG APPLY CONTROL FILE) . ++VER (Z038) FMID (CPLAK00) PRE (LU02230 LU04419 LU06217 R099559 S000975 S004245 S008802 S011669 S012889) SUP (LT08726)

Service	Details		
LU08737	LU08737 M.C.S. ENTRIES = ++PTF (LU08737) REWORK(2023024) INFRASTRUCTURE FOR FUTURE ENHANCEMENTS ENHANCEMENT DESCRIPTION: This enhancement consists of infrastructure updates that are needed for a future enhancement. PRODUCT(S) AFFECTED: Database Analyzer for Db2 for z/OS Version 20.0 Utilities Common Version 20.0 Related Problem: PDA 16348 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02416-D200 DESC(INFRASTRUCTURE FOR FUTURE ENHANCEMENTS). ++VER (Z038) FMID (CINSK00) PRE (LU00135 LU00145 LU00890 LU01625 LU02455 LU03761 LU04121 LU04220 LU04412 LU06300 LU08051 LU08549 LU08673 R096576 R097704 S000016 S001396 S003843 S004455 S005011 S009022 S009761 S010041 S010514 S011234 S011547 S013682 S014029 S014174 S014731 S015129 S016205) SUP (AC04039 AL02861 AS11234 LT02860 LT02861 LT03961 LT08737 LU02861 LU03961 S003965 S008016 S010639 S013320 S014173 S015770 ST03965 ST08016 ST10639 ST13320 ST14139 ST14173 ST15770) ++IF FMID(CPDAK00) REQ(LU08738). ++IF FMID(CPUTK00) REQ(LU08739). ++HOLD (LU08737) SYSTEM FMID(CINSK00) REASON (DB2BIND) DATE (23024) COMMENT (<table border="1"> <tr> <td>Db2 Common Components</td><td>Version 20.0</td></tr> </table> 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	Db2 Common Components	Version 20.0
Db2 Common Components	Version 20.0		

Service	Details
	information about performing the task in the following step. 1. Use Post-Install Tailoring option to Bind Product Packages and Plans. IMPORTANT! If SYSVIEW for Db2 is installed, a 'Bind ALL' is generated, and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors.). ++HOLD (LU08737) SYSTEM FMID(CINSK00) REASON (DB2DDL) DATE (23024) COMMENT (<pre> +-----+ Db2 Common Components Version 20.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE Alter Db2 Tools objects +-----+-----+ USERS AFFECTED All Users. +-----+-----+ KNOWLEDGE REQUIRED Db2 Tools Post Install Customization +-----+-----+ ACCESS 1. Db2 Tools Post Install REQUIRED 2. Install SYSADM, SYSADM or DBADM on PTDB. +-----+-----+ ***** * STEPS TO PERFORM * ***** Db2 objects must be compared/changed and a Bind Replace performed as part of this maintenance. 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 following tasks using the post-install tailoring options: 1. Compare Db2 Objects 2. Create Required Db2 Objects 3. Bind Product Packages and Plans IMPORTANT! If SYSVIEW for Db2 is installed and the IFI-PLAN operational parameter is not used, stop the data collectors first to allow the BIND to complete successfully without contention with the plans being used by the data collectors.). </pre>

Service	Details		
LU08738	LU08738 M.C.S. ENTRIES = ++PTF (LU08738) REWORK(2023024) INFRASTRUCTURE FOR FUTURE ENHANCEMENTS ENHANCEMENT DESCRIPTION: This enhancement consists of infrastructure updates that are needed for a future enhancement. PRODUCT(S) AFFECTED: Database Analyzer for Db2 for z/OS Version 20.0 Utilities Common Version 20.0 Related Problem: PDA 16348 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02416-D200 DESC(INFRASTRUCTURE FOR FUTURE ENHANCEMENTS). ++VER (Z038) FMID (CPDAK00) PRE (LU00146 LU00314 LU00891 LU01089 LU01626 LU02456 LU03680 LU03762 LU04122 LU04415 LU04989 LU06141 LU06301 LU06854 LU07996 LU08674 R096579 R097706 S000017 S006115 S007809 S009763 S010042 S013683) SUP (AL00146 BL00146 LT00257 LT00475 LT01067 LT01126 LT02194 LT02785 LT06394 LT07221 LT08297 LT08738 LU00257 LU00475 LU01126 LU02785 LU06394 LU07221 LU08297 S004010 ST04010 ST05436 ST05467 ST05510 ST05806 ST05830) ++IF FMID(CINSK00) REQ(LU08737). ++IF FMID(CPUTK00) REQ(LU08739). ++HOLD (LU08738) SYSTEM FMID(CPDAK00) REASON (DB2BIND) DATE (23024) COMMENT (<table border="1"> <tr> <td>Database Analyzer for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> 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.	Database Analyzer for Db2 for z/OS	Version 20.0
Database Analyzer for Db2 for z/OS	Version 20.0		

Service	Details
	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
LU08739	LU08739 M.C.S. ENTRIES = ++PTF (LU08739) REWORK(2023024) INFRASTRUCTURE FOR FUTURE ENHANCEMENTS ENHANCEMENT DESCRIPTION: This enhancement consists of infrastructure updates that are needed for a future enhancement. PRODUCT(S) AFFECTED: Database Analyzer for Db2 for z/OS Version 20.0 Utilities Common Version 20.0 Related Problem: PDA 16348 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02416-D200 DESC(INFRASTRUCTURE FOR FUTURE ENHANCEMENTS) . ++VER (Z038) FMID (CPUTK00) PRE (LU03234 LU04123 LU04427 LU08552 LU08675 R098969 S000024 S007820 S011999 S012153 S013205 S014035) SUP (LT08739) ++IF FMID(CINSK00) REQ(LU08737) . ++IF FMID(CPDAK00) REQ(LU08738) .

Service	Details
LU08743	LU08743 M.C.S. ENTRIES = ++PTF (LU08743) REWORK(2023031) The following items are included in this solution: 1. NEW PARAMETER TO LIMIT HISTORICAL INTERVAL RANGE FOR MTCDBM 2. MISC FIXES FOR MTC DBM_USER INTERFACE ===== NEW PARAMETER TO LIMIT HISTORICAL INTERVAL RANGE FOR MTCDBM ENHANCEMENT DESCRIPTION: The Mainframe Team Center - Database Management for Db2 (MTC-DBM) user interface has been updated to add a new parameter, Maximum Historical Interval Range. Database administrators can use this option to prevent CPU spikes for MTC-DBM users by restricting the amount of data that can be fetched when retrieving historical interval data. When the user specifies their historical interval collection dates and times, a message is generated when the begin time and end time exceed the limit set by this new parameter. PRODUCT(S) AFFECTED: Db2 Common Components Version 20.0 Related Problem: INS 19067 ===== MISC FIXES FOR MTC DBM_USER INTERFACE PROBLEM DESCRIPTION: The Mainframe Team Center - Database Management for Db2 (MTC-DBM) user interface has been updated to resolve the following conditions: a. DYNAMIC SQL STATEMENTS are selectable when the Use Group Name toggle is set to ON, even though it shouldn't be selectable. b. Using group name for SQLCODES Detail tab, SQL text could not be located error shows up. SYMPTOMS: a. Selects an invalid category when the group name is on. b. Displays an error on SQL Text retrieval. IMPACT: MTC DBM selects or displays unexpected messages or values. CIRCUMVENTION: a. Change the category selection to different value to proceed further. b. Do not use group name in ssid panel to retrieve the valid SQL Text. PRODUCT(S) AFFECTED: Db2 Common Components Version 20.0 Related Problem: INS 19371 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02417-D200 DESC(NEW PARAMETER TO LIMIT HISTORICAL INTERVAL RANGE FOR MTCDBM). ++VER (Z038) FMID (CINSK00) PRE (LU00839 LU03703 LU04412 LU05967 LU07078 LU07744 LU08403 S001396 S007807 S008825 S010061 S012323 S013484) SUP (AL03417 AL03879 AL03952 AL04399 AL05364 LT03417 LT03879 LT03952 LT04399 LT05326 LT05364 LT06297 LT08743 LU03417 LU03879 LU03952 LU04399 LU05364 LU06297 S014168 S014491 S015122 ST11667 ST14168 ST14491 ST15122)

Service	Details
	LINK('.. /PDT/ui/mtc-dbm.war') PARM(PATHMODE(0,7,7,5)) SHSCRIPT(PDTAAMKD,PRE) .

Service	Details
LU08746	LU08746 M.C.S. ENTRIES = ++PTF (LU08746) REWORK(2023024) The following items are included in this solution: 1. SOC3 ABEND IN PFR WITH LOGONLY OR FROMRBA KEYWORD IN SYSIN 2. PFR SILENTLY ACCEPTS LOGONLY KEYWORD WITH REBUILD ===== SOC3 ABEND IN PFR WITH LOGONLY OR FROMRBA KEYWORD IN SYSIN PROBLEM DESCRIPTION: Fast Recover for Db2 for z/OS (PFR) may fail with a SOC3 ABEND in FRL@DRI0 when the object recovery involves the usage of LOGONLY or FROMRBA keyword in SYSIN. SYMPTOMS: PFR job with LOGONLY or FROMRBA keyword terminates with a SOC3 ABEND in FRL@DRI0. IMPACT: PFR recovery process may terminate without recovering objects. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Fast Recover for Db2 for z/OS (PFR) Version 20.0 Related Problem: PFR 19323 ===== PFR SILENTLY ACCEPTS LOGONLY KEYWORD WITH REBUILD PROBLEM DESCRIPTION: Fast Recover for Db2 for z/OS (PFR) may accept the LOGONLY keyword with the REBUILD control statement without returning an error from the keyword processor. PFR with the REBUILD control statement does not take into account the LOGONLY keyword in its processing; however, it fails to reject the combination, as the LOGONLY keyword is not valid with REBUILD. SYMPTOMS: PFR jobs that contain the LOGONLY keyword with the REBUILD control statement do not issue any error to object to the combination of LOGONLY and REBUILD. IMPACT: PFR REBUILD process does not reject an invalid syntax in SYSIN. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Fast Recover for Db2 for z/OS (PFR) Version 20.0 Related Problem: PFR 19386 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02418-D200 DESC(SOC3 ABEND IN PFR WITH LOGONLY OR FROMRBA KEYWORD IN SYSIN). ++VER (Z038) FMID (CUGRK00) PRE (LU00141 LU00689 LU00728 LU01182 LU01292 LU02712 LU03235 LU04435 LU05850 LU05869 LU06034 LU07168 LU07265 LU08409 R096595 R099574 S000029 S000788 S001660 S004251 S006132 S006879 S007905 S008280 S008466 S008833 S009742 S009903

Service	Details
	S010165 S011083 S012155 S013206 S013586 S014568) SUP (LT08746 S011930 S012018 ST11930 ST12018)

Service	Details
LU08749	LU08749 M.C.S. ENTRIES = ++PTF (LU08749) REWORK(2023017) 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: Compile/PRF Version 20.0 Related Problem: BIPRF 19262 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02419-D200 DESC(SECURITY OR INTEGRITY PROBLEM). ++VER (Z038) FMID (CPRFK02) PRE (LU04424 S001408 S009664) SUP (AC07414 AL07415 BC07414 LT04379 LT07415 LT07657 LT08749 LU04379 LU07415 LU07657)

Service	Details
LU08791	LU08791 M.C.S. ENTRIES = ++PTF (LU08791) REWORK(2023025) REBUILD INDEX ISSUE LEVELID ERROR WITH REASON=X'00C2010D' PROBLEM DESCRIPTION: Fast Recover for Db2 for z/OS (PFR) may fail to update correct LEVELID in header page when SORTLOG NO is used and open log ranges are present in the list of log ranges to be applied. Subsequent REBUILD INDEX or CHECK INDEX executions may fail with error DSNU590I with REASON=X'00C2010D'. SYMPTOMS: DSNU590I !ssid 354 08:14:29.64 DSNUKDRN - RESOURCE NOT AVAILABLE, REASON=X'00C2010D', ON DBXXXXXX.TSXXXXXX PROHIBITS PROCESSING. Master log has the below error. ssidMSTR writes: 08.14.29 STC48181 DSNB232I !SSID DSNB1OPD - UNEXPECTED DATA SET LEVEL NNN ID ENCOUNTERED NNN LEVEL ID=X'FFFFFFFFFFFFFFFFFFFFF' NNN EXPECTED LEVEL ID=X'FFFFFFFFFFFFFFFFFFFF0' NNN DSN=DSNSSSS.DSNDDD.DBXXXXXX.TSXXXXXX.J000N.A00N IMPACT: DB2 objects may be unstable. CIRCUMVENTION: 1. Rerun the RECOVER job which will update correct LEVEL ID because open log ranges are closed. 2. Use SORTLOG YES. PRODUCT(S) AFFECTED: Fast Recover for Db2 for z/OS Version 20.00 Related Problem: PFR 19343 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02420-D200 DESC(REBUILD INDEX ISSUE LEVELID ERROR WITH REASON=X'00C2010D'). ++VER (Z038) FMID (CUGRK00) PRE (LU00728 LU03214 LU03759 LU04435 LU05850 LU07265 LU07771) SUP (LT01127 LT01534 LT04732 LT06213 LT08791 LU01127 LU01534 LU04732 LU06213)

Service	Details
LU08796	LU08796 M.C.S. ENTRIES = ++PTF (LU08796) REWORK(2023024) NEGATIVE FLOAT NUMBERS LOADED INCORRECTLY WITH D-A CRITICAL PROBLEM DESCRIPTION: Fast Load for Db2 for z/OS (PFL) may load incorrect data into a FLOAT column. The problem occurs when PFL runs in the Online Load Resume mode (DATA-AVAILABLE CRITICAL and RESUME YES are specified) and the value is negative. SYMPTOMS: The values loaded into the table differ from the input values. IMPACT: Incorrect data loaded. CIRCUMVENTION: If possible, use DATA-AVAILABLE NORMAL (the default). PRODUCT(S) AFFECTED: Fast Load for Db2 for z/OS Version 20.0 Related Problem: PFL 19330 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02421-D200 DESC(NEGATIVE FLOAT NUMBERS LOADED INCORRECTLY WITH D-A CRITICAL). ++VER (Z038) FMID (CINSK00) PRE (LU03907 LU04412 LU05396 S007807 S011430) SUP (LT08796) ++IF FMID(CPFLK00) REQ(LU08797).

Service	Details
LU08797	LU08797 M.C.S. ENTRIES = ++PTF (LU08797) REWORK(2023024) NEGATIVE FLOAT NUMBERS LOADED INCORRECTLY WITH D-A CRITICAL PROBLEM DESCRIPTION: Fast Load for Db2 for z/OS (PFL) may load incorrect data into a FLOAT column. The problem occurs when PFL runs in the Online Load Resume mode (DATA-AVAILABLE CRITICAL and RESUME YES are specified) and the value is negative. SYMPTOMS: The values loaded into the table differ from the input values. IMPACT: Incorrect data loaded. CIRCUMVENTION: If possible, use DATA-AVAILABLE NORMAL (the default). PRODUCT(S) AFFECTED: Fast Load for Db2 for z/OS Version 20.0 Related Problem: PFL 19330 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02421-D200 DESC(NEGATIVE FLOAT NUMBERS LOADED INCORRECTLY WITH D-A CRITICAL). ++VER (Z038) FMID (CPFLK00) PRE (LU04417 S000018 S000704 S012526) SUP (LT08797) ++IF FMID(CINSK00) REQ(LU08796).

Service	Details
LU08816	LU08816 M.C.S. ENTRIES = ++PTF (LU08816) REWORK(2023020) UPDATE PDT TO DISPLAY LEVEL SET VERSION_STRING ENHANCEMENT DESCRIPTION: CA Detector for DB2 for z/OS (PDT) has been updated to show the new version string vv.rr.mm maintenance Level Set value. The new version string will only be displayed on the PDT main product panel. All other product panels will no longer display the version string. Additionally, PDT batch report was updated to include the new product version string format in the report header. PRODUCT(S) AFFECTED: Detector for Db2 for z/OS Version 20.0 Related Problem: PDT 19160 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02422-D200 DESC(UPDATE PDT TO DISPLAY LEVEL SET VERSION_STRING). ++VER (Z038) FMID (CINSK00) PRE (LU00283 LU00332 LU04412) SUP (LT08816) ++IF FMID(CPDTK00) REQ(LU08817).

Service	Details
LU08817	LU08817 M.C.S. ENTRIES = ++PTF (LU08817) REWORK(2023020) UPDATE PDT TO DISPLAY LEVEL SET VERSION_STRING ENHANCEMENT DESCRIPTION: CA Detector for DB2 for z/OS (PDT) has been updated to show the new version string vv.rr.mmm maintenance Level Set value. The new version string will only be displayed on the PDT main product panel. All other product panels will no longer display the version string. Additionally, PDT batch report was updated to include the new product version string format in the report header. PRODUCT(S) AFFECTED: Detector for Db2 for z/OS Version 20.0 Related Problem: PDT 19160 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02422-D200 DESC(UPDATE PDT TO DISPLAY LEVEL SET VERSION_STRING) . ++VER (Z038) FMID (CPDTK00) PRE (LU00124 LU00240 LU00329 LU00334 LU00402 LU00524 LU00549 LU00684 LU00768 LU00938 LU01002 LU01215 LU01393 LU01467 LU01542 LU01841 LU01933 LU01982 LU02132 LU02220 LU02271 LU02290 LU02554 LU02706 LU02796 LU02944 LU03093 LU03710 LU03809 LU03917 LU03998 LU04015 LU04231 LU04263 LU04356 LU04416 LU04586 LU05052 LU05113 LU05503 LU05823 LU06048 LU06112 LU06505 LU06694 LU07488 LU07722 R096168 R096580 R097707 R098088 R098429 R098853 R099556 R099946 S000263 S000423 S001400 S003942 S004458 S004757 S006116 S006334 S006838 S006865 S007810 S007988 S008129 S008204 S008244 S008323 S008446 S008789 S009044 S009065 S009811 S009828 S010018 S010492 S010521 S010538 S010652 S010908 S011606 S011694 S011983 S012131 S012429 S012538 S012652 S012921 S013450 S013655 S013887 S013889 S013987 S014299 S014338 S014397 S014680 S014782 S014860 S015395 S015499 S015573 S015843 S015927 S016113 S016174) SUP (AL01542 AL02554 AL02944 AL03710 AL03917 AL05152 AL08206 AS06334 AS08129 AS13450 AS16113 CL01542 DC97644 LT00240 LT00307 LT00329 LT00684 LT01214 LT01215 LT01393 LT01467 LT01903 LT01933 LT01956 LT02217 LT02220 LT02286 LT02290 LT02706 LT02796 LT03093 LT03386 LT03406 LT03419 LT03461 LT04339 LT04792 LT04795 LT05051 LT05127 LT05152 LT05265 LT05530 LT05545 LT05796 LT05875 LT06154 LT06249 LT06251 LT06264 LT06596 LT06738 LT06744 LT06928 LT07416 LT07809 LT08134 LT08206 LT08532 LT08817 LU02286 LU03386 LU03406 LU03461 LU04339 LU04795 LU05127 LU05152 LU05265 LU05530 LU05545 LU05796 LU05875 LU06154 LU06264 LU06596 LU06744 LU06928 LU07416 LU07809 LU08206 LU08532 S006237 ST00423 ST06237 ST06838 ST07988 ST08446 ST09828 ST10492 ST10536 ST10652 ST11558 ST11973 ST12131 ST13450 ST13655 ST14680 ST15843 ST15927 ST16113 TR99946) ++IF FMID(CINSK00) REQ(LU00283 LU08816) . ++HOLD (LU08817) SYSTEM FMID(CPDTK00) REASON (RESTART) DATE (23020)

Service	Details
	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. 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
LU08819	LU08819 M.C.S. ENTRIES = ++PTF (LU08819) REWORK(2023020) UPDATE PSA TO DISPLAY LEVEL SET VERSION_STRING ENHANCEMENT DESCRIPTION: Subsystem Analyzer for DB2 for z/OS (PSA) has been updated to show the new version string vv.rr.mm maintenance level set value. The new version string will only be displayed on the PSA main product panel. All other product panels will no longer display the version string. Additionally, the PSA batch report was updated to include the new maintenance level set version string in the report header. PRODUCT(S) AFFECTED: Subsystem Analyzer for Db2 for z/OS Version 20.0 Related Problem: PSA 19317 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02423-D200 DESC(UPDATE PSA TO DISPLAY LEVEL SET VERSION_STRING). ++VER (Z038) FMID (CINSK00) PRE (LU00283 LU00332 LU04412) SUP (LT08819) ++IF FMID(CPSAK00) REQ(LU08820).

Service	Details
LU08820	LU08820 M.C.S. ENTRIES = ++PTF (LU08820) REWORK(2023020) UPDATE PSA TO DISPLAY LEVEL SET VERSION_STRING ENHANCEMENT DESCRIPTION: Subsystem Analyzer for DB2 for z/OS (PSA) has been updated to show the new version string vv.rr.mm maintenance level set value. The new version string will only be displayed on the PSA main product panel. All other product panels will no longer display the version string. Additionally, the PSA batch report was updated to include the new maintenance level set version string in the report header. PRODUCT(S) AFFECTED: Subsystem Analyzer for Db2 for z/OS Version 20.0 Related Problem: PSA 19317 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02423-D200 DESC(UPDATE PSA TO DISPLAY LEVEL SET VERSION_STRING). ++VER (Z038) FMID (CPSAK00) PRE (LU00859 LU01990 LU04426 LU06683 S007819 S011843 S012926 S014681 S014861 S016175) SUP (LT00500 LT05761 LT08820 LU00500 LU05761) ++IF FMID(CINSK00) REQ(LU00283 LU08819).

Service	Details
LU08822	LU08822 M.C.S. ENTRIES = ++PTF (LU08822) REWORK(2023020) UPDATE PTT TO DISPLAY LEVEL SET VERSION_STRING ENHANCEMENT DESCRIPTION: Thread Terminator for DB2 for z/OS (PTT) has been updated to show the new version string vv.rr.mm maintenance level set value. The new version string will only be displayed on the PTT main product panel. All other product panels will no longer display the version string. Additionally, the PTT batch report was updated to include the new maintenance level set version string in the report header. PRODUCT(S) AFFECTED: Db2 Common Components Version 20.0 Related Problem: PTT 19159 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02424-D200 DESC(UPDATE PTT TO DISPLAY LEVEL SET VERSION_STRING). ++VER (Z038) FMID (CINSK00) PRE (LU00283 LU00332 LU00921 LU01362 LU01978 LU02131 LU04230 LU04264 LU04355 LU04412 LU06073 LU06107 LU06688 LU06755 S001396 S001665 S004455 S006113 S006863 S010069 S010281 S013509 S014874 S016173) SUP (LT04459 LT08822 LU04459) ++HOLD (LU08822) SYSTEM FMID(CINSK00) REASON (RESTART) DATE (23020) COMMENT (<pre> +-----+ Db2 Common Components Version 20.0 +-----+-----+ SEQUENCE Before Apply +-----+-----+ PURPOSE Avoidance of module mismatch related errors in an Xmanager +-----+-----+ USERS Collections of Db2 statistics via Detector or Subsystem AFFECTED Analyzer. Db2 subsystems that have active collections. +-----+-----+ KNOWLEDGE 1. SMP/E REQUIRED 2. z/OS System Programming 3. Db2 Tools Installation and Maintenance procedures. +-----+-----+ ACCESS 1. Product runtime libraries. REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** To implement the PTF: 1. Stop product collections. 2. Stop the Xmanager task. 3. Update the runtime library. </pre>

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.). CSECT (TT\$SC2CC, SCHDEXEC, SCHDINPT, FREESCHD, ECHORMT, POSTME, ESTAERTN) . CSECT (TT#CM2CC, GETWORD, SETDFLTS, #RESTART, #RLFERR, #MINDVSC, #REFSHAG, #MAINTYP, #APPENS, #STARJON, #RETLWAI, #TCPKPAL, #ACCUMAC, #RGFESCP, #ALCUNIT, #RGFDEF, #TSTAMP, #DATELEN, #DECARTH, #STORTIM, #MAXUNIT, #MAXRIDC, #DEALLCT, #TIMELEN, #MSVGP, #NCPU, #CPUM, #BLANKS, #CANCEL, #BPSIZE, #BPNAME, ROUND4K, ROUND256, RND1000, ARCPFX, #XLKUPDL) .

Service	Details
LU08828	LU08828 M.C.S. ENTRIES = ++PTF (LU08828) REWORK(2023024) INDEXES IN RECP STATUS AFTER SUCCESSFUL LOAD AND EMPTY INPUT PROBLEM DESCRIPTION: Fast Load for Db2 for z/OS (PFL) may leave indexes in RECP status after a successful run. This happens when no rows are loaded (for example, if the input data set is empty) and PTF LU05883 is applied. SYMPTOMS: Indexes that are defined on the loaded table are in RECP status after the PFL run. IMPACT: The indexes are in restrictive status, preventing further operations against the table before the status is removed. CIRCUMVENTION: Because the indexes were not modified during PFL execution, run the following command to remove the RECP status: -START DATABASE(dbname) SPACENAM(ixspace) ACCESS(FORCE) PRODUCT(S) AFFECTED: Fast Load for Db2 for z/OS Version 20.0 Related Problem: PFL 19444 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02425-D200 DESC(INDEXES IN RECP STATUS AFTER SUCCESSFUL LOAD AND EMPTY INPUT). ++VER (Z038) FMID (CPFLK00) PRE (LU04159 LU04417 LU05883 LU07975 S000018 S011601 S011946 S011996 S012150 S012275) SUP (AL05883 LT08828)

Service	Details																		
LU08838	LU08838 M.C.S. ENTRIES = ++PTF (LU08838) REWORK(2023023) CONSISTENT TIME FIELD FORMATTING FOR SORTING PROBLEM DESCRIPTION: In Detector for Db2 for z/OS (PDT), the current method of time processing allows multiple formats to be shown. As a result, sorting on a time based column can display an incorrect order. The new method will look for the largest INDB2_TIME value in the result set and select the largest time format that is needed to allow correct sorting of the data. The column is also now scrollable, so if a more precise time is needed, it can still be seen. SYMPTOMS: The display of various time formats can cause incorrect or confusing column sorting, as shown in the following example: Here is a before and after example of descending sort. Prior view New view in Day Format <table><tr><th>INDB2_TIME</th><th>Format</th><th>INDB2_TIME</th></tr><tr><td>-----</td><td></td><td>-----</td></tr><tr><td>02:00.241778</td><td>Minute</td><td>01-00:00:00></td></tr><tr><td>01:02:00.216</td><td>Hour</td><td>00-01:02:00></td></tr><tr><td>01-00:00:00</td><td>Day</td><td>00-00.02:00></td></tr><tr><td>00:00.020373</td><td>Minute</td><td>00-00:00:00></td></tr></table> IMPACT: Analysis of data can be confusing. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Detector for Db2 for z/OS Version 20.0 Related Problem: PDT 18177 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02426-D200 DESC(CONSISTENT TIME FIELD FORMATTING FOR SORTING). ++VER (Z038) FMID (CINSK00) PRE (LU00523 LU01362 LU01978 LU02131 LU04230 LU04355 LU04412 LU06073 LU08822 S001396 S006113 S010417 S014874 S015132 S015868) SUP (LT04459 LT08838 LU04459) ++IF FMID(CPDTK00) REQ(LU08839) . ++IF FMID(CPSAK00) REQ(LU08840) . ++HOLD (LU08838) SYSTEM FMID(CINSK00) REASON (RESTART) DATE (23023) 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	INDB2_TIME	Format	INDB2_TIME	-----		-----	02:00.241778	Minute	01-00:00:00>	01:02:00.216	Hour	00-01:02:00>	01-00:00:00	Day	00-00.02:00>	00:00.020373	Minute	00-00:00:00>
INDB2_TIME	Format	INDB2_TIME																	
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Service	Details
	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.).

Service	Details																																	
LU08839	LU08839 M.C.S. ENTRIES = ++PTF (LU08839) REWORK(2023023) CONSISTENT TIME FIELD FORMATTING FOR SORTING PROBLEM DESCRIPTION: In Detector for Db2 for z/OS (PDT), the current method of time processing allows multiple formats to be shown. As a result, sorting on a time based column can display an incorrect order. The new method will look for the largest INDB2_TIME value in the result set and select the largest time format that is needed to allow correct sorting of the data. The column is also now scrollable, so if a more precise time is needed, it can still be seen. SYMPTOMS: The display of various time formats can cause incorrect or confusing column sorting, as shown in the following example: Here is a before and after example of descending sort. <table><tr><td>Prior view</td><td></td><td>New view in Day Format</td></tr><tr><td>INDB2_TIME</td><td>Format</td><td>INDB2_TIME</td></tr><tr><td>-----</td><td></td><td>-----</td></tr><tr><td>02:00.241778</td><td>Minute</td><td>01-00:00:00></td></tr><tr><td>01:02:00.216</td><td>Hour</td><td>00-01:02:00></td></tr><tr><td>01-00:00:00</td><td>Day</td><td>00-00.02:00></td></tr><tr><td>00:00.020373</td><td>Minute</td><td>00-00:00:00></td></tr></table> IMPACT: Analysis of data can be confusing. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Detector for Db2 for z/OS Version 20.0 Related Problem: PDT 18177 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02426-D200 DESC(CONSISTENT TIME FIELD FORMATTING FOR SORTING). ++VER (Z038) FMID (CPDTK00) PRE (LU00858 LU01982 LU02132 LU03998 LU04231 LU04416 LU04586 LU05052 LU05113 LU06048 LU06415 LU06505 LU07488 LU08817 R096168 R096580 R097707 R098088 R099556 S001400 S004458 S006116 S007810 S008455 S011263 S012652 S013987 S014299 S014860 S016174) SUP (LT01799 LT02271 LT02286 LT04490 LT05530 LT05796 LT08134 LT08369 LT08839 LU01799 LU02271 LU02286 LU04490 LU05530 LU05796 LU08369 S006237 ST06237) ++IF FMID(CINSK00) REQ(LU08838). ++IF FMID(CPSAK00) REQ(LU08840). ++HOLD (LU08839) SYSTEM FMID(CPDTK00) REASON (RESTART) DATE (23023) COMMENT (<table><tr><td colspan="3">+-----+</td></tr><tr><td> </td><td>Detector for Db2 for z/OS</td><td>Version 20.0</td></tr><tr><td colspan="3">+-----+</td></tr><tr><td> SEQUENCE</td><td> Before Apply</td><td> </td></tr></table>	Prior view		New view in Day Format	INDB2_TIME	Format	INDB2_TIME	-----		-----	02:00.241778	Minute	01-00:00:00>	01:02:00.216	Hour	00-01:02:00>	01-00:00:00	Day	00-00.02:00>	00:00.020373	Minute	00-00:00:00>	+-----+				Detector for Db2 for z/OS	Version 20.0	+-----+			SEQUENCE	Before Apply	
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	Detector for Db2 for z/OS	Version 20.0																																
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SEQUENCE	Before Apply																																	

Service	Details
	<pre> +-----+-----+ 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																		
LU08840	LU08840 M.C.S. ENTRIES = ++PTF (LU08840) REWORK(2023023) CONSISTENT TIME FIELD FORMATTING FOR SORTING PROBLEM DESCRIPTION: In Detector for Db2 for z/OS (PDT), the current method of time processing allows multiple formats to be shown. As a result, sorting on a time based column can display an incorrect order. The new method will look for the largest INDB2_TIME value in the result set and select the largest time format that is needed to allow correct sorting of the data. The column is also now scrollable, so if a more precise time is needed, it can still be seen. SYMPTOMS: The display of various time formats can cause incorrect or confusing column sorting, as shown in the following example: Here is a before and after example of descending sort. Prior view New view in Day Format <table><tr><th>INDB2_TIME</th><th>Format</th><th>INDB2_TIME</th></tr><tr><td>-----</td><td></td><td>-----</td></tr><tr><td>02:00.241778</td><td>Minute</td><td>01-00:00:00></td></tr><tr><td>01:02:00.216</td><td>Hour</td><td>00-01:02:00></td></tr><tr><td>01-00:00:00</td><td>Day</td><td>00-00.02:00></td></tr><tr><td>00:00.020373</td><td>Minute</td><td>00-00:00:00></td></tr></table> IMPACT: Analysis of data can be confusing. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Detector for Db2 for z/OS Version 20.0 Related Problem: PDT 18177 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02426-D200 DESC(CONSISTENT TIME FIELD FORMATTING FOR SORTING). ++VER (Z038) FMID (CPSAK00) PRE (LU00859 LU01990 LU02133 LU04426 LU08820 R096589 S001410 S007819 S011345 S012926 S014681 S014861 S016175) SUP (LT00500 LT05461 LT05761 LT08840 LU00500 LU05461 LU05761) ++IF FMID(CINSK00) REQ(LU08838). ++IF FMID(CPDTK00) REQ(LU08839).	INDB2_TIME	Format	INDB2_TIME	-----		-----	02:00.241778	Minute	01-00:00:00>	01:02:00.216	Hour	00-01:02:00>	01-00:00:00	Day	00-00.02:00>	00:00.020373	Minute	00-00:00:00>
INDB2_TIME	Format	INDB2_TIME																	
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00:00.020373	Minute	00-00:00:00>																	

Service	Details
LU08848	LU08848 M.C.S. ENTRIES = ++PTF (LU08848) REWORK(2023024) FIRST UPDATE LOG RECORD DOES NOT EXPAND CORRECTLY PROBLEM DESCRIPTION: Log Analyzer for Db2 for z/OS (PLA) may fail to expand the previous image of the row belonging to an update log record. The problem occurs when the Partial Update Reconstruction process is triggered and the PURSRCE parameter is set to AFTER or AUTO. Typically, the failing record is the first record in the output, but this depends on the ORDERBY parameter value. SYMPTOMS: A portion of a single log record remains compressed and unformatted in the output. Typically, many other log records that belong to the same object are expanded correctly. If multiple objects are being processed, one update record for each distinct object is likely to exhibit the problem. The problem only affects update records. Inserts and deletes are not affected. IMPACT: A portion of certain update records cannot be uncompressed. A hexadecimal dump is printed into the report, incomplete SQL is generated, or a row can be discarded from a load file. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Log Analyzer for Db2 for z/OS Version 20.0 Related Problem: PLA 19357 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02428-D200 DESC(FIRST UPDATE LOG RECORD DOES NOT EXPAND CORRECTLY) . ++VER (Z038) FMID (CPLAK00) PRE (LU00132 LU00238 LU00597 LU00725 LU01538 LU01950 LU02062 LU02381 LU03250 LU04419 LU04842 LU06217 LU06546 LU07065 LU07375 LU07824 LU08087 LU08567 R099559 S000975 S004245 S004461 S007813 S008008 S008802 S009333 S010677 S011113 S011669 S012889 S012900 S013625 S013879 S014033) SUP (LT03731 LT05019 LT08848 LU03731 LU05019)

Service	Details		
LU08852	LU08852 M.C.S. ENTRIES = ++PTF (LU08852) REWORK(2023024)		
	DIAG/DUMP ABEND SOC1_IN DT\$DII		
	PROBLEM DESCRIPTION:		
	Detector for Db2 for z/OS (PDT) may take 0Cx abends following a bad FREE start stats control block.		
	SYMPTOMS:		
	Detector terminates and produces an SVC dump with the following:		
	Title=CA-DETECTOR 20.0 DIAG/DUMP ABEND=SOC1 MODULE=DT\$DII		
	The Xmanager log may contain the following message:		
	PDT0185 ABEND=SOC1 MODULE=DT\$DII		
	IMPACT:		
	Detector collections terminate.		
	CIRCUMVENTION:		
	None.		
	PRODUCT(S) AFFECTED:		
	Detector for Db2 for z/OS	Version 20.0	
	Related Problem:		
	PDT 18958		
	(C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved		
	R02429-D200		
	DESC(DIAG/DUMP ABEND SOC1_IN DT\$DII).		
	++VER (Z038)		
	FMID (CPDTK00)		
	PRE (LU00240 LU00329 LU00402 LU00549 LU00684 LU01002 LU01215		
	LU01393 LU01467 LU01542 LU01933 LU02108 LU02220 LU02290		
	LU02554 LU02706 LU02796 LU02944 LU03093 LU03461 LU03917		
	LU04231 LU04416 LU05127 LU05152 LU05823 LU06048 LU06112		
	LU07488 LU08817 R096168 R096580 R097707 R098429 R099556		
	R099946 S000263 S000423 S001400 S003942 S004458 S004757		
	S006116 S006334 S006838 S006865 S007810 S007988 S008129		
	S008323 S008446 S008789 S009065 S009239 S009828 S010018		
	S010492 S010538 S010652 S010908 S011694 S011983 S012538		
	S012921 S013450 S013655 S013889 S014338 S014680 S015395		
	S015723 S015843 S015927 S016113)		
	SUP (AL01542 AL02554 AL05152 AL08206 AS06334 AS08129 AS13450		
	AS16113 CL01542 LT00240 LT00307 LT00329 LT00684 LT01214		
	LT01215 LT01393 LT01467 LT01903 LT01933 LT01956 LT02217		
	LT02220 LT02290 LT02706 LT02796 LT03093 LT03386 LT03406		
	LT05265 LT05545 LT06154 LT06738 LT06744 LT07809 LT08206		
	LT08532 LT08852 LU03386 LU03406 LU05265 LU05545 LU06154		
	LU06744 LU07809 LU08206 LU08532 ST00423 ST06838 ST07220		
	ST07988 ST08446 ST09828 ST10492 ST10652 ST13450 ST13655		
	ST14680 ST15843 ST15927 ST16113 TR99946)		
	++HOLD (LU08852) SYSTEM FMID(CPDTK00)		
	REASON (RESTART) DATE (23024)		
	COMMENT (		
	+-----+		
	Detector for Db2 for z/OS	Version 20.0	
	+-----+		
	SEQUENCE	Before Apply	
	+-----+		
	PURPOSE	Avoidance of module mismatch related errors in an Xmanager	

Service	Details
	<pre> +-----+-----+ 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
LU08861	LU08861 M.C.S. ENTRIES = ++PTF (LU08861) REWORK(2023025) INFRASTRUCTURE FOR FUTURE ENHANCEMENT ENHANCEMENT DESCRIPTION: This enhancement consists of infrastructure updates that are needed for a planned architectural enhancement. PRODUCT(S) AFFECTED: Db2 Common Components Version 20.0 Detector for Db2 for z/OS Version 20.0 Related Problem: PDT 17869 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02430-D200 DESC(INFRASTRUCTURE FOR FUTURE ENHANCEMENT). ++VER (Z038) FMID (CIDBK00) PRE (LU00299 LU01541 LU04411 LU05058 LU06045 R098428 S001395 S004454 S006333 S011693 S012428 S014016 S014642 S014843) SUP (LT07708 LT08861 ST10533 ST13775 TR98366) ++IF FMID(CINSK00) REQ(LU08862). ++IF FMID(CPDTK00) REQ(LU08863). ++IF FMID(CPSAK00) REQ(LU08864). ++HOLD (LU08861) SYSTEM FMID(CIDBK00) REASON (RESTART) DATE (23025) COMMENT (<pre> +-----+ SYSVIEW Performance Management Option 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. 3. Update the runtime library. 4. Restart the Xmanager task. Important! </pre>

Service	Details
	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
LU08862	LU08862 M.C.S. ENTRIES = ++PTF (LU08862) REWORK(2023025) INFRASTRUCTURE FOR FUTURE ENHANCEMENT ENHANCEMENT DESCRIPTION: This enhancement consists of infrastructure updates that are needed for a planned architectural enhancement. PRODUCT(S) AFFECTED: Db2 Common Components Version 20.0 Detector for Db2 for z/OS Version 20.0 Related Problem: PDT 17869 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02430-D200 DESC(INFRASTRUCTURE FOR FUTURE ENHANCEMENT). ++VER (Z038) FMID (CINSK00) PRE (LU04412 LU07721) SUP (LT08862) ++IF FMID(CIDBK00) REQ(LU08861). ++IF FMID(CPDTK00) REQ(LU08863). ++IF FMID(CPSAK00) REQ(LU08864). ++HOLD (LU08862) SYSTEM FMID(CINSK00) REASON (RESTART) DATE (23025) COMMENT (<pre> +-----+ Db2 Common Components Version 20.0 +-----+-----+ SEQUENCE Before Apply +-----+-----+ PURPOSE Avoidance of module mismatch related errors in an Xmanager +-----+-----+ USERS Collections of Db2 statistics via Detector or Subsystem AFFECTED Analyzer. Db2 subsystems that have active collections. +-----+-----+ KNOWLEDGE 1. SMP/E REQUIRED 2. z/OS System Programming 3. Db2 Tools Installation and Maintenance procedures. +-----+-----+ ACCESS 1. Product runtime libraries. REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** To implement the PTF: 1. Stop product collections. 2. Stop the Xmanager task. 3. Update the runtime library. 4. Restart the Xmanager task. Important! Please do not apply maintenance to the Xmanager runtime libraries with Xmanager active as it may result in a discrepancy between dynamically </pre>

Service	Details
	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
LU08863	LU08863 M.C.S. ENTRIES = ++PTF (LU08863) REWORK(2023025) INFRASTRUCTURE FOR FUTURE ENHANCEMENT ENHANCEMENT DESCRIPTION: This enhancement consists of infrastructure updates that are needed for a planned architectural enhancement. PRODUCT(S) AFFECTED: Db2 Common Components Version 20.0 Detector for Db2 for z/OS Version 20.0 Related Problem: PDT 17869 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02430-D200 DESC (INFRASTRUCTURE FOR FUTURE ENHANCEMENT) . ++VER (Z038) FMID (CPDTK00) PRE (LU00124 LU00402 LU00524 LU00549 LU00938 LU01002 LU01542 LU01982 LU02132 LU02554 LU03710 LU03809 LU03917 LU04231 LU04263 LU04356 LU04416 LU05052 LU06048 LU07488 LU07722 LU08817 R096168 R096580 R097707 R097824 R097923 R098088 R098429 R099556 S001400 S004458 S004757 S006116 S006334 S006865 S007810 S008244 S010908 S011694 S012429 S012538 S013616 S013887 S014860 S015395 S016174) SUP (AL01542 AL02554 AL02944 AL03710 AL03917 AL05152 AL08206 AS06334 AS07810 AS08129 AS10908 AS11694 AS13450 AS13887 AS13889 AS15395 AS16113 BL01542 BS07810 CC97644 CL01542 DC97644 DL01542 LT00176 LT00240 LT00307 LT00329 LT00684 LT00768 LT01214 LT01215 LT01393 LT01467 LT01841 LT01903 LT01933 LT01956 LT02108 LT02217 LT02220 LT02290 LT02524 LT02706 LT02796 LT02944 LT03093 LT03261 LT03386 LT03406 LT03419 LT03461 LT03638 LT03640 LT03897 LT03915 LT04015 LT04175 LT04339 LT04792 LT04795 LT05051 LT05127 LT05152 LT05265 LT05502 LT05503 LT05545 LT05781 LT05823 LT05875 LT06112 LT06154 LT06249 LT06251 LT06264 LT06596 LT06738 LT06744 LT06928 LT07416 LT07667 LT07809 LT08206 LT08532 LT08852 LT08863 LU00176 LU00240 LU00329 LU00684 LU00768 LU01215 LU01393 LU01467 LU01841 LU01933 LU02108 LU02220 LU02290 LU02524 LU02706 LU02796 LU02944 LU03093 LU03261 LU03386 LU03406 LU03461 LU04015 LU04339 LU04795 LU05127 LU05152 LU05265 LU05503 LU05545 LU05823 LU05875 LU06112 LU06154 LU06264 LU06596 LU06744 LU06928 LU07416 LU07809 LU08206 LU08532 LU08852 R099946 SI12388 SI14306 S000263 S000423 S003942 S006838 S007988 S008129 S008204 S008323 S008446 S008789 S009044 S009065 S009239 S009601 S009811 S009828 S010018 S010492 S010521 S010538 S010652 S011499 S011717 S011983 S012131 S012426 S012821 S012921 S013074 S013450 S013655 S013761 S013889 S014235 S014267 S014338 S014397 S014680 S014782 S015073 S015199 S015499 S015573 S015723 S015843 S015927 S016113 ST00263 ST00423 ST01944 ST03942 ST06838 ST07220 ST07988 ST08124 ST08129 ST08204 ST08323 ST08446 ST08789 ST09044 ST09065 ST09239 ST09601 ST09811 ST09828 ST10018 ST10492 ST10521 ST10534 ST10536 ST10538 ST10652 ST10809 ST10862 ST10904 ST11499 ST11717

Service	Details
	<pre> ST11928 ST11973 ST11983 ST12131 ST12426 ST12821 ST12823 ST12921 ST13074 ST13450 ST13655 ST13761 ST13776 ST13889 ST14235 ST14267 ST14338 ST14397 ST14680 ST14782 ST15073 ST15199 ST15499 ST15573 ST15723 ST15843 ST15927 ST16113 TR98367 TR99946) ++IF FMID(CIDBK00) REQ(LU08861). ++IF FMID(CINSK00) REQ(LU08862). ++IF FMID(CPSAK00) REQ(LU08864). ++HOLD (LU08863) SYSTEM FMID(CPDTK00) REASON (RESTART) DATE (23025) COMMENT (+-----+ Detector for Db2 for z/OS Version 20.0 +-----+-----+ SEQUENCE Before Apply +-----+-----+ PURPOSE Avoidance of module mismatch related errors in an Xmanager +-----+-----+ USERS Collections of Db2 statistics via Detector or Subsystem AFFECTED Analyzer. Db2 subsystems that have active collections. +-----+-----+ KNOWLEDGE 1. SMP/E REQUIRED 2. z/OS System Programming 3. Db2 Tools Installation and Maintenance procedures. +-----+-----+ 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		
LU08864	LU08864 M.C.S. ENTRIES = ++PTF (LU08864) REWORK(2023025) INFRASTRUCTURE FOR FUTURE ENHANCEMENT ENHANCEMENT DESCRIPTION: This enhancement consists of infrastructure updates that are needed for a planned architectural enhancement. PRODUCT(S) AFFECTED: Db2 Common Components Version 20.0 Detector for Db2 for z/OS Version 20.0 Related Problem: PDT 17869 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R02430-D200 DESC(INFRASTRUCTURE FOR FUTURE ENHANCEMENT). ++VER (Z038) FMID (CPSAK00) PRE (LU01543 LU03601 LU03918 LU04232 LU04426 LU05515 R097716 R098430 S000871 S004468 S006335 S009267 S010867 S011695 S012926) SUP (LT03898 LT03916 LT08864 ST10535 ST10810 ST10863 ST10905 ST13777 TR98368) ++IF FMID(CIDBK00) REQ(LU08861). ++IF FMID(CINSK00) REQ(LU08862). ++IF FMID(CPDTK00) REQ(LU08863). ++HOLD (LU08864) SYSTEM FMID(CPSAK00) REASON (RESTART) DATE (23025) COMMENT (<table border="1"> <tr> <td>Subsystem Analyzer for Db2 for z/OS</td><td>Version 20.0</td></tr> </table> SEQUENCE Before Apply PURPOSE Avoidance of module mismatch related errors in an Xmanager USERS Collections of Db2 statistics via Detector or Subsystem AFFECTED Analyzer. Db2 subsystems that have active collections. KNOWLEDGE 1. SMP/E REQUIRED 2. z/OS System Programming 3. Db2 Tools Installation and Maintenance procedures. ACCESS 1. Product runtime libraries. REQUIRED ***** * STEPS TO PERFORM * ***** To implement the PTF: 1. Stop product collections. 2. Stop the Xmanager task. 3. Update the runtime library. 4. Restart the Xmanager task.	Subsystem Analyzer for Db2 for z/OS	Version 20.0
Subsystem Analyzer for Db2 for z/OS	Version 20.0		

Service	Details	
	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.	
	).	
MCS	LU08283	STARTS ON PAGE 0002
MCS	LU08284	STARTS ON PAGE 0004
MCS	LU08285	STARTS ON PAGE 0004
MCS	LU08288	STARTS ON PAGE 0005
MCS	LU08289	STARTS ON PAGE 0006
MCS	LU08408	STARTS ON PAGE 0008
MCS	LU08535	STARTS ON PAGE 0009
MCS	LU08554	STARTS ON PAGE 0010
MCS	LU08555	STARTS ON PAGE 0013
MCS	LU08556	STARTS ON PAGE 0014
MCS	LU08599	STARTS ON PAGE 0015
MCS	LU08600	STARTS ON PAGE 0016
MCS	LU08618	STARTS ON PAGE 0017
MCS	LU08621	STARTS ON PAGE 0018
MCS	LU08636	STARTS ON PAGE 0019
MCS	LU08637	STARTS ON PAGE 0020
MCS	LU08671	STARTS ON PAGE 0021
MCS	LU08673	STARTS ON PAGE 0022
MCS	LU08674	STARTS ON PAGE 0023
MCS	LU08675	STARTS ON PAGE 0024
MCS	LU08694	STARTS ON PAGE 0025
MCS	LU08696	STARTS ON PAGE 0026
MCS	LU08697	STARTS ON PAGE 0081
MCS	LU08698	STARTS ON PAGE 0088
MCS	LU08699	STARTS ON PAGE 0088
MCS	LU08722	STARTS ON PAGE 0089
MCS	LU08726	STARTS ON PAGE 0092
MCS	LU08737	STARTS ON PAGE 0093
MCS	LU08738	STARTS ON PAGE 0096
MCS	LU08739	STARTS ON PAGE 0099
MCS	LU08743	STARTS ON PAGE 0100
MCS	LU08746	STARTS ON PAGE 0102
MCS	LU08749	STARTS ON PAGE 0103
MCS	LU08791	STARTS ON PAGE 0104
MCS	LU08796	STARTS ON PAGE 0105
MCS	LU08797	STARTS ON PAGE 0106
MCS	LU08816	STARTS ON PAGE 0107
MCS	LU08817	STARTS ON PAGE 0108
MCS	LU08819	STARTS ON PAGE 0111
MCS	LU08820	STARTS ON PAGE 0112
MCS	LU08822	STARTS ON PAGE 0113
MCS	LU08828	STARTS ON PAGE 0115
MCS	LU08838	STARTS ON PAGE 0116
MCS	LU08839	STARTS ON PAGE 0118
MCS	LU08840	STARTS ON PAGE 0123
MCS	LU08848	STARTS ON PAGE 0126
MCS	LU08852	STARTS ON PAGE 0127

Service	Details		
	MCS	LU08861	STARTS ON PAGE 0130
	MCS	LU08862	STARTS ON PAGE 0131
	MCS	LU08863	STARTS ON PAGE 0133
	MCS	LU08864	STARTS ON PAGE 0141

Database Management Solutions for Db2 for z/OS 20.0
CA RS 2302 Product/Component Listing

87

Product Family	Product	Release
Database Management	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 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 2302 Product/Component Count for this release is 26

CA RS Level	Service	FMID
CAR2302	LU08864	CPSAK00
	LU08863	CPDTK00
	LU08862	CINSK00
	LU08861	CIDBK00
	LU08852	CPDTK00
	LU08848	CPLAK00
	LU08840	CPSAK00
	LU08839	CPDTK00
	LU08838	CINSK00
	LU08828	CPFLK00
	LU08822	CINSK00
	LU08820	CPSAK00
	LU08819	CINSK00
	LU08817	CPDTK00
	LU08816	CINSK00
	LU08797	CPFLK00
	LU08796	CINSK00
	LU08791	CUGRK00
	LU08749	CPRFK02
	LU08746	CUGRK00
	LU08743	CINSK00
	LU08739	CPUTK00
	LU08738	CPDAK00
	LU08737	CINSK00
	LU08726	CPLAK00
	LU08722	CINSK00
	LU08699	CRCUK00
	LU08698	CRCMK00
	LU08697	COFSK00
	LU08696	CINSK00
	LU08694	CINSK00
	LU08675	CPUTK00
	LU08674	CPDAK00
	LU08673	CINSK00
	LU08671	CUGRK00
	LU08637	CPLAK00
	LU08636	COFSK00
	LU08621	CUGRK00
	LU08618	CUGRK00
	LU08600	CPSAK00
	LU08599	CINSK00
	LU08556	CPUTK00
	LU08555	CPDAK00
	LU08554	CINSK00
	LU08535	CINSK00
	LU08408	CINSK00
	LU08289	CPDAK00

CA RS Level	Service	FMID
	LU08288	CINSK00
	LU08285	CUGRK00
	LU08284	CPUTK00
	LU08283	CPFLK00
CAR2301	LU08613	CPLAK00
	LU08583	CPLAK00
	LU08575	CINSK00
	LU08567	CPLAK00
	LU08553	CUGRK00
	LU08552	CPUTK00
	LU08551	CPRRK00
	LU08550	CPFLK00
	LU08549	CINSK00
	LU08532	CPDTK00
	LU08523	CIDBK00
	LU08509	CINSK00
	LU08508	CRCMK00
	LU08507	CINSK00
	LU08471	CINSK00
	LU08444	CIDBK00
	LU08441	CINSK00
	LU08410	CPFUK00
	LU08409	CUGRK00
	LU08403	CINSK00
	LU08392	CINSK00
	LU08383	CPFUK00
	LU08369	CPDTK00
	LU08328	CIDBK00
	LU08320	CIDBK00
	LU08318	CIDBK00
	LU08297	CPDAK00
	LU08293	CUGRK00
	LU08238	CINSK00
CAR2212	LU08311	CINSK00
	LU08296	CPFLK00
	LU08274	CIDBK00
	LU08255	CPFUK00
	LU08254	CPFUK00
	LU08242	CPUTK00
	LU08241	COFSK00
	LU08232	CIDBK00
	LU08211	CUGRK00
	LU08206	CPDTK00
	LU08184	CINSK00
	LU08183	CAHOK00
	LU08126	CPDAK00
	LU08125	CINSK00

CA RS Level	Service	FMID
	LU08108	CRCXK00
	LU08107	CPFUK00
	LU08106	CINSK00
	LU08101	CINSK00
	LU08097	COFSK00
	LU08087	CPLAK00
	LU08086	CINSK00
	LU08084	CINSK00
	LU08077	CINSK00
	LU08075	CIDBK00
	LU08064	CRCXK00
	LU08063	CRCUK00
	LU08062	CRCSK00
	LU08061	CPUTK00
	LU08060	CPSAK00
	LU08059	CPRFK00
	LU08058	CPRAK00
	LU08057	CPPAK00
	LU08056	CPLAK00
	LU08055	CPFUK00
	LU08054	CPDTK00
	LU08053	CPDAK00
	LU08052	CPBAK00
	LU08051	CINSK00
	LU08050	CIDBK00
	LU08049	CAHOK00
	LU08045	CUGRK00
	LU08044	CRCXK00
	LU08043	CRCUK00
	LU08042	CRCSK00
	LU08041	CRCQK00
	LU08039	CPUTK00
	LU08037	CPRAK00
	LU08036	CPPAK00
	LU08035	CPLAK00
	LU08032	CPDAK00
	LU08031	COFSK00
	LU08030	CINSK00
	LU07996	CPDAK00
	LU07976	CPUTK00
	LU07975	CPFLK00
	LU07954	CINSK00
	LU07931	COFSK00
	LU07878	CPDTK00
	LU07844	CPFUK00
	LU07836	CINSK00
	LU07835	CIDBK00

CA RS Level	Service	FMID
	LU07826	CPUTK00
	LU07825	CINSK00
	LU07824	CPLAK00
	LU07816	CIDBK00
	LU07815	CIDBK00
	LU07810	CINSK00
	LU07771	CUGRK00
CAR2211	LU07855	CINSK00
	LU07809	CPDTK00
	LU07797	CINSK00
	LU07779	CRCQK00
	LU07753	CIDBK00
	LU07744	CINSK00
	LU07743	CINSK00
	LU07734	CUGRK00
	LU07723	CPSAK00
	LU07722	CPDTK00
	LU07721	CINSK00
	LU07716	CIDBK00
	LU07714	CPFLK00
	LU07697	CIDBK00
	LU07688	COFSK00
	LU07687	CINSK00
	LU07679	CINSK00
	LU07668	CPLAK00
	LU07662	CINSK00
	LU07657	CPRFK02
	LU07654	CPRRK00
	LU07636	CIDBK00
	LU07635	CRCUK00
	LU07629	CINSK00
	LU07621	CPUTK00
	LU07620	CPRRK00
	LU07619	CPFUK00
	LU07618	CPFLK00
	LU07608	CINSK00
	LU07604	CINSK00
	LU07569	CINSK00
	LU07565	CPDAK00
	LU07564	CINSK00
	LU07563	CUGRK00
	LU07561	CPLAK00
	LU07559	CINSK00
	LU07558	CINSK00
	LU07544	CINSK00
	LU07524	CPDTK00
	LU07523	CINSK00

CA RS Level	Service	FMID
	LU07515	CPFUK00
	LU07504	CINSK00
	LU07499	CRCQK00
	LU07498	CINSK00
	LU07493	CINSK00
	LU07462	CPUTK00
	LU07461	CPFLK00
	LU07460	CINSK00
	LU07407	CINSK00
	LU07406	CIDBK00
	LU07329	CIDBK00
CAR2210	LU07488	CPDTK00
	LU07486	CPDAK00
	LU07484	CPUTK00
	LU07483	CPFLK00
	LU07459	COFSK00
	LU07436	CINSK00
	LU07418	CINSK00
	LU07416	CPDTK00
	LU07415	CPRFK02
	LU07388	CUGRK00
	LU07375	CPLAK00
	LU07373	CUGRK00
	LU07372	CINSK00
	LU07359	CINSK00
	LU07346	CINSK00
	LU07315	CINSK00
	LU07311	CUGRK00
	LU07278	CRCQK00
	LU07272	CRCXK00
	LU07271	CRCUK00
	LU07270	CRCMK00
	LU07269	CPFUK00
	LU07268	CINSK00
	LU07265	CUGRK00
	LU07264	CPFLK00
	LU07262	CIDBK00
	LU07257	COFSK00
	LU07254	CINSK00
	LU07248	CINSK00
	LU07235	CINSK00
	LU07221	CPDAK00
	LU07209	CRCXK00
	LU07208	CRCUK00
	LU07207	CRCCK00
	LU07206	CRCQK00
	LU07205	CRCMK00

CA RS Level	Service	FMID
	LU07204	CINSK00
	LU07203	CAHOK00
	LU07187	CINSK00
	LU07183	CPLAK00
	LU07181	CIDBK00
	LU07180	CPFUK00
	LU07168	CUGRK00
	LU07149	CIDBK00
	LU07146	CIDBK00
	LU07096	COFSK00
	LU07078	CINSK00
	LU07065	CPLAK00
	LU07004	CPDAK00
	LU06826	CPUTK00
CAR2209	S016260	CPRFK02
	S016259	CPRFK01
	S016167	CPRFK02
	S016166	CPRFK01
	S016151	CPRFK02
	S016150	CPRFK01
	S015777	CPRFK02
	S015776	CPRFK01
	S014406	CPRFK02
	S014405	CPRFK01
	S014337	CIDBK00
	S013732	CPRFK02
	S013731	CPRFK01
	LU07110	CIDBK00
	LU07100	CPDTK00
	LU07094	CPRFK02
	LU07093	CPRFK01
	LU07092	CPRFK00
	LU07077	CINSK00
	LU07070	CINSK00
	LU07067	CRCXK00
	LU07047	CIDBK00
	LU07005	CIDBK00
	LU06991	CPRFK02
	LU06990	CPRFK01
	LU06989	CPRFK00
	LU06976	CPUTK00
	LU06975	CPFUK00
	LU06965	CIDBK00
	LU06960	CIDBK00
	LU06936	CINSK00
	LU06928	CPDTK00
	LU06921	CINSK00

CA RS Level	Service	FMID
	LU06920	CRCUK00
	LU06919	CRCQK00
	LU06918	CPFUK00
	LU06914	COFSK00
	LU06913	CINSK00
	LU06910	CINSK00
	LU06887	CINSK00
	LU06866	CIDBK00
	LU06863	CPRAK00
	LU06862	CUGRK00
	LU06858	CUGRK00
	LU06854	CPDAK00
	LU06842	CIDBK00
	LU06839	CPRFK00
	LU06836	CPLAK00
	LU06792	CINSK00
	LU06791	CPUTK00
	LU06790	CPFUK00
	LU06789	CPFLK00
	LU06753	CRCXK00
	LU06752	CRCUK00
	LU06751	CRCSK00
	LU06750	CRCQK00
	LU06747	CRCMK00
	LU06746	CAHOK00
	LU06744	CPDTK00
	LU06709	CPRFK02
	LU06708	CPRFK01
	LU06688	CINSK00
	LU06687	CIDBK00
	LU06649	CTGRK00
	LU06503	CIDBK00
	LU05683	CPRFK02
	LU05682	CPRFK01
	LU05171	CPRFK02
	LU05170	CPRFK01
	LU04424	CPRFK02
	LU04423	CPRFK01
	LU04410	CEU9K00
	LU04379	CPRFK02
	LU04353	CEU9K00
	LU01976	CEU9K00
	LU01323	CPRFK02
	LU01322	CPRFK01
	LU01104	CPRFK02
	LU01103	CPRFK01
	LU00583	CPRFK02

CA RS Level	Service	FMID
	LU00582	CPRFK01
	LU00252	CPRFK02
	LU00251	CPRFK01
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

CA RS Level	Service	FMID
	LU06423	CUGRK00
	LU06418	CPFUK00
	LU06414	CRCUK00
	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

CA RS Level	Service	FMID
	LU06218	CIDBK00
	LU06217	CPLAK00
	LU06216	CINSK00
	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

CA RS Level	Service	FMID
	LU06045	CIDBK00
	LU06034	CUGRK00
	LU06033	CIDBK00
	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	CRC SK00
	LU05823	CPDTK00
	LU05816	CUGRK00
	LU05806	COFSK00
	LU05798	CINSK00
	LU05797	CRCQK00
	LU05796	CPDTK00

CA RS Level	Service	FMID
	LU05794	CINSK00
	LU05790	CINSK00
	LU05788	CIDBK00
	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

CA RS Level	Service	FMID
	LU05511	CINSK00
	LU05505	CRCQK00
	LU05503	CPDTK00
	LU05497	CIDBK00
	LU05496	CPLAK00
	LU05495	CPDAK00
	LU05464	CIDBK00
	LU05461	CPSAK00
	LU05457	CPFLK00
	LU05423	CPUTK00
	LU05422	CUGRK00
	LU05408	CRCQK00
	LU05407	CINSK00
	LU05401	CINSK00
	LU05397	CPFUK00
	LU05396	CINSK00
	LU05387	CUGRK00
	LU05382	CINSK00
	LU05377	CAHOK00
	LU05367	CINSK00
	LU05366	CINSK00
	LU05364	CINSK00
	LU05361	CINSK00
	LU05359	CINSK00
	LU05352	CPLAK00
	LU05350	CUGRK00
	LU05349	CPUTK00
	LU05348	CPFLK00
	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

CA RS Level	Service	FMID
	LU05242	CINSK00
	LU05224	CIDBK00
	LU05211	CIDBK00
	LU05210	CUGRK00
	LU05209	CPUTK00
	LU05208	CPRRK00
	LU05207	CPFLK00
	LU05206	CINSK00
	LU05177	CRCUK00
	LU05176	CRCQK00
	LU05175	CINSK00
	LU05169	CPRFK00
	LU05156	CINSK00
	LU05152	CPDTK00
	LU05142	CINSK00
	LU05140	CPRAK00
	LU05127	CPDTK00
	LU05118	CRCUK00
	LU05117	CPUTK00
	LU05116	CPPAK00
	LU05115	CPLAK00
	LU05114	CPFUK00
	LU05113	CPDTK00
	LU05112	CPDAK00
	LU05111	CINSK00
	LU05110	CSQ2100
	LU05109	CINSK00
	LU05103	CIDBK00
	LU05102	CPDAK00
	LU05098	CIDBK00
	LU05091	CRCCK00
	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

CA RS Level	Service	FMID
	LU04989	CPDAK00
	LU04988	CINSK00
	LU04982	CPUTK00
	LU04981	CPFUK00
	LU04980	CPFLK00
	LU04966	CUGRK00
	LU04965	CPRRK00
	LU04962	CUGRK00
	LU04961	CUGRK00
	LU04960	CINSK00
	LU04953	CRC SK00
	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

CA RS Level	Service	FMID
	LU04654	CINSK00
	LU04653	CPSAK00
	LU04637	CPRRK00
	LU04636	CUGRK00
	LU04621	CINSK00
	LU04619	CUGRK00
	LU04618	CPUTK00
	LU04616	CPFLK00
	LU04586	CPDTK00
	LU04573	CINSK00
	LU04566	CIDBK00
	LU04562	CPLAK00
	LU04561	CSQ2100
	LU04530	CRCQK00
	LU04529	CINSK00
	LU04498	CIDBK00
	LU04493	CINSK00
	LU04490	CPDTK00
	LU04489	CRCMK00
	LU04488	CINSK00
	LU04486	CPPAK00
	LU04485	CPBAK00
	LU04484	CINSK00
	LU04483	CINSK00
	LU04464	CRCMK00
	LU04463	CINSK00
	LU04459	CINSK00
	LU04458	CINSK00
	LU04452	CINSK00
	LU04444	COFSK00
	LU04370	CUGRK00
	LU04369	CINSK00
CAR2202	LU04462	CSQ2100
	LU04443	CINSK00
	LU04436	CUTSK00
	LU04435	CUGRK00
	LU04434	CTGRK00
	LU04433	CRCXK00
	LU04432	CRCUK00
	LU04431	CRCSK00
	LU04430	CRCQK00
	LU04429	CRCMK00
	LU04428	CPXNK00
	LU04427	CPUTK00
	LU04426	CPSAK00
	LU04425	CPRRK00
	LU04422	CPRFK00

CA RS Level	Service	FMID
	LU04421	CPRAK00
	LU04420	CPPAK00
	LU04419	CPLAK00
	LU04418	CPFUK00
	LU04417	CPFLK00
	LU04416	CPDTK00
	LU04415	CPDAK00
	LU04414	CPBAK00
	LU04413	COFSK00
	LU04412	CINSK00
	LU04411	CIDBK00
	LU04409	CAHOK00
	LU04405	CINSK00
	LU04400	CINSK00
	LU04399	CINSK00
	LU04376	CINSK00
	LU04374	CIDBK00
	LU04371	CIDBK00
	LU04358	CTGRK00
	LU04357	CPSAK00
	LU04356	CPDTK00
	LU04355	CINSK00
	LU04354	CIDBK00
	LU04339	CPDTK00
	LU04287	CIDBK00
	LU04282	CIDBK00
	LU04264	CINSK00
	LU04263	CPDTK00
	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

CA RS Level	Service	FMID
	LU04146	CINSK00
	LU04136	CINSK00
	LU04123	CPUTK00
	LU04122	CPDAK00
	LU04121	CINSK00
	LU04100	CIDBK00
	LU04097	CIDBK00
	LU04085	COFSK00
	LU04084	CINSK00
	LU04082	CINSK00
	LU04006	CINSK00
	LU04004	CPLAK00
	LU03822	CPPAK00
	LU02151	CINSK00
CAR2201	LU04094	CINSK00
	LU04027	CIDBK00
	LU04026	CIDBK00
	LU04015	CPDTK00
	LU03998	CPDTK00
	LU03997	CINSK00
	LU03961	CINSK00
	LU03955	CINSK00
	LU03954	CIDBK00
	LU03953	CINSK00
	LU03952	CINSK00
	LU03935	CRCQK00
	LU03929	CIDBK00
	LU03926	CRCXK00
	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

CA RS Level	Service	FMID
	LU03789	CINSK00
	LU03788	CINSK00
	LU03762	CPDAK00
	LU03761	CINSK00
	LU03760	CSQ2100
	LU03759	CUGRK00
	LU03749	CPLAK00
	LU03742	CPFLK00
	LU03735	CUGRK00
	LU03734	CPUTK00
	LU03733	CPRRK00
	LU03732	CPFUK00
	LU03731	CPLAK00
	LU03712	CINSK00
	LU03710	CPDTK00
	LU03709	CINSK00
	LU03706	CPRAK00
	LU03703	CINSK00
	LU03691	CINSK00
	LU03686	CPUTK00
	LU03685	CPRRK00
	LU03684	CPFLK00
	LU03664	CRCXK00
	LU03663	CRCUK00
	LU03662	CRCQK00
	LU03661	CRCMK00
	LU03660	CPLAK00
	LU03659	COFSK00
	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

CA RS Level	Service	FMID
	LU03453	CIDBK00
	LU03443	CUGRK00
	LU03437	CRCUK00
	LU03435	CIDBK00
	LU03417	CINSK00
	LU03406	CPDTK00
	LU03401	CPUTK00
	LU03400	CPRRK00
	LU03399	CPFLK00
	LU03391	CINSK00
	LU03386	CPDTK00
	LU03384	CPFUK00
	LU03367	CINSK00
	LU03353	CPFUK00
	LU03348	CIDBK00
	LU03344	CUGRK00
	LU03338	CPPAK00
	LU03337	CINSK00
	LU03326	CUGRK00
	LU03324	CUGRK00
	LU03323	CPUTK00
	LU03318	CRCXK00
	LU03317	CRCQK00
	LU03316	CPLAK00
	LU03315	COFSK00
	LU03314	CINSK00
	LU03309	CINSK00
	LU03308	CRCQK00
	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

CA RS Level	Service	FMID
	LU03213	CPUTK00
	LU03212	CPRRK00
	LU03211	CPFUK00
	LU03210	CPFLK00
	LU03209	CINSK00
	LU03195	CIDBK00
	LU03192	CPUTK00
	LU03191	CPFLK00
	LU03190	CINSK00
	LU03187	CPUTK00
	LU03186	CUGRK00
	LU03162	CIDBK00
	LU03152	CPDAK00
	LU03146	CIDBK00
	LU03142	CINSK00
	LU03116	CPSAK00
	LU03101	CPBAK00
	LU03093	CPDTK00
	LU03091	CIDBK00
	LU03073	CUGRK00
	LU03035	CPDAK00
	LU03034	CPRRK00
	LU03033	CPUTK00
	LU03032	CPFUK00
	LU03023	CIDBK00
	LU03018	CPDTK00
	LU02985	CIDBK00
	LU02979	CPLAK00
	LU02945	CINSK00
	LU02886	CIDBK00
	LU02816	CPLAK00
	LU02728	CPUTK00
	LU02727	CPFUK00
	LU02726	CINSK00
	LU02712	CUGRK00
CAR2110	SO14389	CIDBK00
	LU02944	CPDTK00
	LU02894	CRCQK00
	LU02866	COFSK00
	LU02841	CIDBK00
	LU02829	CIDBK00
	LU02813	CINSK00
	LU02808	CINSK00
	LU02800	CIDBK00
	LU02796	CPDTK00
	LU02785	CPDAK00
	LU02767	CPLAK00

CA RS Level	Service	FMID
	LU02762	CUGRK00
	LU02708	CIDBK00
	LU02706	CPDTK00
	LU02665	CRCQK00
	LU02661	CINSK00
	LU02646	CIDBK00
	LU02642	CIDBK00
	LU02641	CPFLK00
	LU02634	CIDBK00
	LU02633	COFSK00
	LU02614	CINSK00
	LU02609	CINSK00
	LU02597	CRCQK00
	LU02577	CPBAK00
	LU02516	CIDBK00
	LU02489	CINSK00
	LU02472	CINSK00
	LU02471	CINSK00
	LU02280	COFSK00
	LU02279	CINSK00
CAR2109	LU02564	CRCQK00
	LU02554	CPDTK00
	LU02529	CUGRK00
	LU02524	CPDTK00
	LU02493	CPPAK00
	LU02492	CINSK00
	LU02485	CPFLK00
	LU02470	CPFUK00
	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

CA RS Level	Service	FMID
	LU02290	CPDTK00
	LU02286	CPDTK00
	LU02271	CPDTK00
	LU02258	CPFLK00
	LU02243	CPFLK00
	LU02242	CINSK00
	LU02231	CPUTK00
	LU02230	CPLAK00
	LU02229	CINSK00
	LU02212	CINSK00
	LU02166	CINSK00
	LU02119	CTGRK00
	LU02118	CIDBK00
	LU02116	CINSK00
	LU02095	CPDAK00
CAR2108	LU02220	CPDTK00
	LU02213	CPLAK00
	LU02211	CRCUK00
	LU02197	CINSK00
	LU02164	CINSK00
	LU02143	CUTSK00
	LU02142	CIDBK00
	LU02133	CPSAK00
	LU02132	CPDTK00
	LU02131	CINSK00
	LU02124	CINSK00
	LU02117	CINSK00
	LU02108	CPDTK00
	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

CA RS Level	Service	FMID
	LU01994	CRCSK00
	LU01993	CRCQK00
	LU01992	CPXNK00
	LU01991	CPUTK00
	LU01990	CPSAK00
	LU01989	CPRRK00
	LU01988	CPRFK00
	LU01987	CPRAK00
	LU01986	CPPAK00
	LU01985	CPLAK00
	LU01984	CPFUK00
	LU01983	CPFLK00
	LU01982	CPDTK00
	LU01981	CPDAK00
	LU01980	CPBAK00
	LU01979	COFSK00
	LU01978	CINSK00
	LU01977	CIDBK00
	LU01975	CAHOK00
	LU01958	CINSK00
	LU01950	CPLAK00
	LU01949	CINSK00
	LU01944	CRCXK00
	LU01939	CPFUK00
	LU01937	COFSK00
	LU01936	CUGRK00
	LU01934	CINSK00
	LU01933	CPDTK00
	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

CA RS Level	Service	FMID
	LU01732	CPSAK00
	LU01727	CPFUK00
	LU01720	CPFLK00
	LU01717	CUGRK00
	LU01706	CRCQK00
	LU01705	CINSK00
	LU01696	CINSK00
	LU01695	CPRAK00
	LU01694	CINSK00
	LU01683	CINSK00
	LU01673	CINSK00
	LU01666	CIDBK00
	LU01648	CINSK00
	LU01626	CPDAK00
	LU01625	CINSK00
	LU01610	CINSK00
	LU01581	CIDBK00
	LU01575	CINSK00
	LU01556	CIDBK00
	LU01551	CPPAK00
	LU01550	CINSK00
	LU01543	CPSAK00
	LU01542	CPDTK00
	LU01541	CIDBK00
	LU01538	CPLAK00
	LU01534	CUGRK00
	LU01526	CINSK00
	LU01525	CIDBK00
	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

CA RS Level	Service	FMID
	LU01352	CPUTK00
	LU01351	CPRRK00
	LU01350	CPFUK00
	LU01349	CPFLK00
	LU01338	CPDAK00
	LU01330	CRCQK00
	LU01321	CPRFK00
	LU01311	CPFUK00
	LU01293	CIDBK00
	LU01292	CUGRK00
	LU01291	CPUTK00
	LU01286	CINSK00
	LU01275	CINSK00
	LU01265	CINSK00
	LU01222	COFSK00
	LU01215	CPDTK00
	LU01208	CRCQK00
	LU01182	CUGRK00
	LU01181	CPRAK00
	LU01180	CPLAK00
	LU01179	COFSK00
	LU01178	CINSK00
	LU01175	CIDBK00
	LU01166	CIDBK00
	LU01165	CPFUK00
	LU01164	CIDBK00
	LU01151	CINSK00
	LU01135	CUGRK00
	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

CA RS Level	Service	FMID
	LU01035	CIDBK00
	LU01030	CIDBK00
	LU01002	CPDTK00
	LU00989	CINSK00
	LU00982	CIDBK00
	LU00973	CUGRK00
	LU00968	CINSK00
	LU00964	CIDBK00
	LU00940	CPLAK00
	LU00938	CPDTK00
	LU00937	CINSK00
	LU00925	CINSK00
	LU00923	CPUTK00
	LU00921	CINSK00
	LU00914	CINSK00
	LU00903	CPLAK00
	LU00891	CPDAK00
	LU00890	CINSK00
	LU00887	CPUTK00
	LU00886	CPFUK00
	LU00882	CPLAK00
	LU00881	CIDBK00
	LU00863	CPFUK00
	LU00859	CPSAK00
	LU00858	CPDTK00
	LU00847	CINSK00
	LU00839	CINSK00
	LU00795	CUGRK00
	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

CA RS Level	Service	FMID
	LU00646	CPPAK00
	LU00645	CPBAK00
	LU00644	COFSK00
	LU00643	CINSK00
	LU00639	CINSK00
	LU00635	CPDAK00
	LU00613	CINSK00
	LU00597	CPLAK00
	LU00576	CPSAK00
	LU00568	CINSK00
	LU00565	CSQ2100
	LU00549	CPDTK00
	LU00545	CIDBK00
	LU00532	CRCQK00
	LU00531	COFSK00
	LU00530	CINSK00
	LU00524	CPDTK00
	LU00523	CINSK00
	LU00511	CRCUK00
	LU00510	CINSK00
	LU00509	CINSK00
	LU00508	CINSK00
	LU00500	CPSAK00
	LU00480	CPLAK00
	LU00475	CPDAK00
	LU00452	CPRRK00
	LU00450	CRCXK00
	LU00449	CRCUK00
	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

CA RS Level	Service	FMID
	LU00399	CINSK00
	LU00381	CPDAK00
	LU00368	CINSK00
	LU00359	CINSK00
	LU00342	CRCXK00
	LU00341	CRCUK00
	LU00340	CRCSK00
	LU00339	CRCQK00
	LU00338	CRCMK00
	LU00337	CPUTK00
	LU00336	CPRAK00
	LU00335	CPLAK00
	LU00334	CPDTK00
	LU00333	CPDAK00
	LU00332	CINSK00
	LU00331	CIDBK00
	LU00330	CAHOK00
	LU00314	CPDAK00
	LU00304	CPUTK00
	LU00303	CPRRK00
	LU00302	CPFUK00
	LU00301	CPFLK00
	LU00299	CIDBK00
	LU00283	CINSK00
	LU00277	CINSK00
	LU00275	CUGRK00
	LU00177	CPUTK00
CAR2103	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

CA RS Level	Service	FMID
	LU00227	CINSK00
	LU00217	CPFUK00
	LU00216	CINSK00
	LU00207	CPRFK00
	LU00194	CPUTK00
	LU00178	CPFLK00
	LU00176	CPDTK00
	LU00165	CPLAK00
	LU00162	CINSK00
	LU00159	CIDBK00
	LU00152	CUGRK00
	LU00147	CRCQK00
	LU00146	CPDAK00
	LU00145	CINSK00
	LU00141	CUGRK00
	LU00140	CPUTK00
	LU00139	CPRRK00
	LU00138	CPLAK00
	LU00137	CPFUK00
	LU00136	CPFLK00
	LU00135	CINSK00
	LU00134	CIDBK00
	LU00133	CPUTK00
	LU00132	CPLAK00
	LU00131	CINSK00
	LU00127	CINSK00
	LU00124	CPDTK00
	LU00123	CINSK00
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

CA RS Level	Service	FMID
	S016165	CPRFK00
	S016160	CPRRK00
	S016149	CPRFK00
	S016133	COFSK00
	S016132	CINSK00
	S016116	CIDBK00
	S016113	CPDTK00
	S016107	CIDBK00
	S016090	CPUTK00
	S016089	CPFLK00
	S016088	CINSK00
	S016075	CPLAK00
	S016071	CRCQK00
	S016067	CINSK00
	S016057	CIDBK00
	S016053	CINSK00
	S016046	CIDBK00
	S016045	CINSK00
	S015980	CINSK00
	S015952	CIDBK00
	S015864	CINSK00
CAR2101	S016040	CINSK00
	S016032	CINSK00
	S016031	CINSK00
	S016024	CINSK00
	S016001	CINSK00
	S015998	CINSK00
	S015939	CPUTK00
	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

CA RS Level	Service	FMID
	S015774	CPRFK00
	S015770	CINSK00
	S015761	CIDBK00
	S015760	CINSK00
	S015711	CUGRK00
	S015710	CPUTK00
	S015709	CINSK00
CAR2012	S015771	CPFLK00
	S015767	CPFUK00
	S015740	CPUTK00
	S015739	CPRRK00
	S015738	CPFLK00
	S015723	CPDTK00
	S015697	CRCQK00
	S015691	CPPAK00
	S015690	CINSK00
	S015652	CPUTK00
	S015650	COFSK00
	S015647	CIDBK00
	S015613	CINSK00
	S015609	CUGRK00
	S015585	CPRRK00
	S015573	CPDTK00
	S015541	CPUTK00
	S015531	CPLAK00
	S015506	CINSK00
	S015499	CPDTK00
	S015487	CUGRK00
	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

CA RS Level	Service	FMID
	S015311	CINSK00
	S015308	CUGRK00
	S015271	CPUTK00
	S015255	CPRFK00
	S015254	CIDBK00
	S015238	CPUTK00
	S015237	CPRRK00
	S015236	CPFUK00
	S015235	CPFLK00
	S015225	COFSK00
	S015220	CPLAK00
	S015215	CINSK00
	S015205	CINSK00
	S015199	CPDTK00
	S015191	CRCMK00
	S015184	CSQ2100
	S015174	CPUTK00
	S015132	CINSK00
	S015130	CPDAK00
	S015129	CINSK00
	S015124	CPRRK00
	S015122	CINSK00
	S015094	CPSAK00
	S015086	CPFUK00
	S015075	CINSK00
	S015074	CPUTK00
	S015073	CPDTK00
	S015072	CINSK00
	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

CA RS Level	Service	FMID
	S014865	CINSK00
	S014864	CIDBK00
	S014863	CUGRK00
	S014861	CPSAK00
	S014860	CPDTK00
	S014859	CINSK00
	S014853	CIDBK00
	S014843	CIDBK00
	S014842	CPRFK00
	S014836	CPBAK00
	S014835	CINSK00
	S014833	CRCUK00
	S014832	CINSK00
	S014827	CINSK00
	S014782	CPDTK00
	S014773	CPUTK00
	S014772	CPFLK00
	S014771	CINSK00
	S014756	CINSK00
	S014754	CIDBK00
	S014732	CPDAK00
	S014731	CINSK00
	S014721	CINSK00
	S014716	CINSK00
	S014694	CPFLK00
	S014681	CPSAK00
	S014680	CPDTK00
	S014675	CPRFK00
	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

CA RS Level	Service	FMID
	S014500	CINSK00
	S014491	CINSK00
	S014483	CUGRK00
	S014452	CPLAK00
	S014433	CPFLK00
	S014428	CPUTK00
	S014427	CPFLK00
	S014426	CRCQK00
	S014404	CPRFK00
	S014401	CINSK00
	S014400	CPPAK00
	S014397	CPDTK00
	S014383	CPUTK00
	S014382	CPFUK00
	S014381	CINSK00
	S014338	CPDTK00
	S014335	CRCQK00
	S014310	CUTSK00
	S014307	CRCQK00
	S014299	CPDTK00
	S014298	CINSK00
	S014295	CINSK00
	S014282	CINSK00
	S014277	CPUTK00
	S014276	CPRRK00
	S014275	CINSK00
	S014267	CPDTK00
	S014254	CIDBK00
	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

CA RS Level	Service	FMID
	S014053	CPFUK00
	S014052	CINSK00
	S014036	CUGRK00
	S014035	CPUTK00
	S014034	CPRRK00
	S014033	CPLAK00
	S014032	CPFUK00
	S014031	CPFLK00
	S014030	CPDAK00
	S014029	CINSK00
	S014025	CPFLK00
	S014016	CIDBK00
	S013990	COFSK00
	S013988	CPPAK00
	S013987	CPDTK00
	S013986	CPDAK00
	S013985	CINSK00
	S013982	CSQ2100
	S013974	CINSK00
	S013973	CINSK00
	S013961	CPUTK00
	S013960	CPFUK00
	S013930	CINSK00
	S013909	CPXNK00
	S013908	CINSK00
	S013891	CIDBK00
	S013889	CPDTK00
	S013887	CPDTK00
	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

CA RS Level	Service	FMID
	S013711	CINSK00
	S013709	CPUTK00
	S013708	CPRRK00
	S013707	CPFUK00
	S013706	CPFLK00
	S013574	CINSK00
CAR2007	S013761	CPDTK00
	S013730	CPRFK00
	S013718	CPLAK00
	S013717	CINSK00
	S013686	CUGRK00
	S013685	CPUTK00
	S013684	CPFUK00
	S013683	CPDAK00
	S013682	CINSK00
	S013676	CINSK00
	S013668	CRCQK00
	S013655	CPDTK00
	S013635	CPRRK00
	S013633	CPPAK00
	S013627	CUGRK00
	S013626	CPUTK00
	S013625	CPLAK00
	S013624	CINSK00
	S013616	CPDTK00
	S013596	CPUTK00
	S013586	CUGRK00
	S013584	CPDAK00
	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

CA RS Level	Service	FMID
	S013320	CINSK00
	S013319	CPFUK00
	S013316	CPUTK00
	S013308	CINSK00
	S013307	CAHOK00
	S013306	CRCUK00
	S013234	CPLAK00
	S013230	CINSK00
	S013229	CINSK00
	S013224	CPLAK00
	S013213	CINSK00
	S013206	CUGRK00
	S013205	CPUTK00
	S013204	CPRRK00
	S013203	CPFLK00
	S013193	CINSK00
	S013176	CPRRK00
	S013175	CPFLK00
	S013154	CINSK00
	S013153	CPUTK00
	S013152	CPRRK00
	S013151	CPFUK00
	S013150	CPFLK00
	S013149	CINSK00
	S013130	CUGRK00
	S013112	CRCUK00
	S013111	CINSK00
	S013098	CPUTK00
	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

CA RS Level	Service	FMID
	S012853	CUGRK00
	S012852	CPSAK00
	S012851	CINSK00
CAR2005	S012966	CPSAK00
	S012943	CPPAK00
	S012942	CINSK00
	S012937	CRCXK00
	S012936	CRCUK00
	S012935	CPLAK00
	S012934	CPFUK00
	S012933	CINSK00
	S012927	CPUTK00
	S012926	CPSAK00
	S012925	CPDTK00
	S012924	CINSK00
	S012904	CINSK00
	S012902	CUGRK00
	S012901	CPUTK00
	S012900	CPLAK00
	S012899	CINSK00
	S012896	CIDBK00
	S012889	CPLAK00
	S012829	CINSK00
	S012821	CPDTK00
	S012819	CINSK00
	S012817	CINSK00
	S012812	CINSK00
	S012808	CPDTK00
	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

CA RS Level	Service	FMID
	S012651	CPDAK00
	S012650	CINSK00
	S012624	CPDAK00
	S012586	CUGRK00
	S012585	CPFLK00
	S012553	CRCCK00
	S012547	CINSK00
	S012539	CPSAK00
	S012538	CPDTK00
	S012537	CINSK00
	S012536	CIDBK00
	S012530	CUGRK00
	S012529	CPUTK00
	S012528	CPRRK00
	S012527	CPFUK00
	S012526	CPFLK00
	S012525	CINSK00
	S012524	CINSK00
	S012501	CSQ2100
	S012487	CPLAK00
	S012483	CIDBK00
	S012429	CPDTK00
	S012428	CIDBK00
	S012412	COFSK00
	S012368	CPPAK00
	S012367	CINSK00
	S012366	CRCXK00
	S012365	CRCUK00
	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

CA RS Level	Service	FMID
	S012249	CINSK00
	S012235	CUGRK00
	S012234	CUGRK00
	S012229	CRCQK00
	S012228	CINSK00
	S012219	CINSK00
	S012197	CPFUK00
	S012196	CIDBK00
	S012174	CPUTK00
	S012173	CPLAK00
	S012164	CINSK00
	S012159	CINSK00
	S012155	CUGRK00
	S012154	CTGRK00
	S012153	CPUTK00
	S012152	CPRRK00
	S012151	CPFUK00
	S012150	CPFLK00
	S012149	CINSK00
	S012147	CINSK00
	S012131	CPDTK00
	S012128	CPFLK00
	S012115	CINSK00
	S012078	CIDBK00
	S012076	CINSK00
	S012068	CPPAK00
	S012067	CINSK00
	S011977	CIDBK00
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

CA RS Level	Service	FMID
	S011988	CINSK00
	S011983	CPDTK00
	S011981	CPUTK00
	S011976	CRCQK00
	S011971	CRCXK00
	S011970	CRCUK00
	S011969	CPLAK00
	S011968	CPFUK00
	S011967	COFSK00
	S011966	CINSK00
	S011957	CINSK00
	S011947	CPUTK00
	S011946	CPFLK00
	S011945	CINSK00
	S011942	CINSK00
	S011931	CPDAK00
	S011930	CUGRK00
	S011929	CUGRK00
	S011921	COFSK00
	S011868	CRCXK00
	S011867	CRCUK00
	S011866	CINSK00
	S011863	CINSK00
	S011862	CPUTK00
	S011861	CPRRK00
	S011849	CPUTK00
	S011848	CPUTK00
	S011847	CPRRK00
	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

CA RS Level	Service	FMID
	S011731	CPRFK00
	S011701	CPDAK00
	S011700	CINSK00
	S011696	CINSK00
	S011695	CPSAK00
	S011694	CPDTK00
	S011693	CIDBK00
	S011691	CINSK00
	S011679	CINSK00
	S011674	CINSK00
	S011669	CPLAK00
	S011646	CUGRK00
	S011645	CPRRK00
	S011644	CPFUK00
	S011643	CPFLK00
	S011625	CPSAK00
	S011624	CPDTK00
	S011623	CINSK00
	S011616	CIDBK00
	S011608	CPXNK00
	S011606	CPDTK00
	S011605	CUGRK00
	S011604	CPUTK00
	S011603	CPRRK00
	S011602	CPFUK00
	S011601	CPFLK00
	S011583	CPLAK00
	S011576	CINSK00
	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

CA RS Level	Service	FMID
	S011333	CINSK00
	S011325	CPFLK00
	S011296	CPRFK00
	S011231	CINSK00
	S011086	CUGRK00
CAR2001	S011345	CPSAK00
	S011323	CUGRK00
	S011317	CINSK00
	S011263	CPDTK00
	S011261	CINSK00
	S011255	CINSK00
	S011239	CUGRK00
	S011238	CPUTK00
	S011237	CPRRK00
	S011236	CPFUK00
	S011235	CPFLK00
	S011234	CINSK00
	S011222	CPRRK00
	S011221	CINSK00
	S011201	CINSK00
	S011200	CPRRK00
	S011197	CRCQK00
	S011196	CINSK00
	S011180	COFSK00
	S011169	CUGRK00
	S011168	CPUTK00
	S011133	CRCQK00
	S011131	CPPAK00
	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

CA RS Level	Service	FMID
	S011013	CPFUK00
	S011009	CUTSK00
	S010978	CINSK00
	S010975	CRCUK00
	S010974	CINSK00
	S010955	CPSAK00
	S010908	CPDTK00
	S010907	CINSK00
	S010906	CIDBK00
	S010867	CPSAK00
	S010835	CINSK00
	S010817	CPRAK00
	S010739	CIDBK00
	S010662	CINSK00
	S010278	CPPAK00
	S010277	CPBAK00
CAR1912	S011039	CPRRK00
	S010948	CINSK00
	S010921	CPDTK00
	S010920	CINSK00
	S010872	CINSK00
	S010871	CINSK00
	S010827	CINSK00
	S010819	CUGRK00
	S010818	CUGRK00
	S010815	CINSK00
	S010789	CAHOK00
	S010788	CINSK00
	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

CA RS Level	Service	FMID
	S010625	CPRRK00
	S010608	CPUTK00
	S010549	CINSK00
	S010512	CINSK00
	S010495	CPUTK00
	S010417	CINSK00
	S010405	CIDBK00
	S010401	CUGRK00
	S010165	CUGRK00
	S009802	CINSK00
CAR1911	S010553	CUGRK00
	S010538	CPDTK00
	S010532	CRCQK00
	S010521	CPDTK00
	S010514	CINSK00
	S010505	CPRRK00
	S010492	CPDTK00
	S010474	CPUTK00
	S010470	CUTSK00
	S010469	CINSK00
	S010468	CRCQK00
	S010442	CPFUK00
	S010437	CINSK00
	S010430	CRCQK00
	S010390	CPLAK00
	S010389	CINSK00
	S010365	CPRFK00
	S010347	CPRFK00
	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

CA RS Level	Service	FMID
	S010007	CPRRK00
	S010000	CPPAK00
	S009999	CINSK00
	S009978	CPUTK00
	S009977	CPFLK00
	S009976	CINSK00
	S009945	CINSK00
	S009911	CUGRK00
	S009797	CINSK00
CAR1910	S010196	CPUTK00
	S010195	CPFLK00
	S010194	CINSK00
	S010163	CRCQK00
	S010162	CINSK00
	S010160	CIDBK00
	S010129	CAHOK00
	S010107	CPFUK00
	S010080	CINSK00
	S010069	CINSK00
	S010066	CINSK00
	S010061	CINSK00
	S010046	CINSK00
	S010044	CUGRK00
	S010043	CPFUK00
	S010042	CPDAK00
	S010041	CINSK00
	S010038	CPUTK00
	S010029	COFSK00
	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

CA RS Level	Service	FMID
	S009866	CRCSK00
	S009865	CRCQK00
	S009864	CPRFK00
	S009863	CPRAK00
	S009862	CPPAK00
	S009861	CPDAK00
	S009860	CINSK00
	S009859	CIDBK00
	S009858	CAHOK00
	S009857	CINSK00
	S009854	CPUTK00
	S009852	CRCQK00
	S009851	CINSK00
	S009839	CINSK00
	S009818	CINSK00
	S009811	CPDTK00
	S009799	CINSK00
	S009787	CPPAK00
	S009786	CPBAK00
	S009785	CINSK00
	S009766	CUGRK00
	S009765	CPUTK00
	S009764	CPFUK00
	S009763	CPDAK00
	S009762	COFSK00
	S009761	CINSK00
CAR1909	S009828	CPDTK00
	S009796	CINSK00
	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

CA RS Level	Service	FMID
	S009569	CPUTK00
	S009564	CINSK00
	S009556	CIDBK00
	S009546	CINSK00
	S009519	CIDBK00
	S009432	CPSAK00
	S009426	CINSK00
	S009423	CTGRK00
	S009417	CINSK00
	S009403	CRCCK00
	S009378	CPFLK00
	S009333	CPLAK00
	S009300	CPDAK00
	S009205	CINSK00
	S008837	CPRRK00
CAR1908	S009461	CINSK00
	S009373	CIDBK00
	S009356	CINSK00
	S009337	CPFUK00
	S009267	CPSAK00
	S009261	CINSK00
	S009253	CPUTK00
	S009252	CPLAK00
	S009239	CPDTK00
	S009232	CINSK00
	S009228	CIDBK00
	S009188	CUGRK00
	S009187	CTGRK00
	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

CA RS Level	Service	FMID
	S009108	CPLAK00
	S009107	CPFUK00
	S009106	COFSK00
	S009105	CINSK00
	S009089	CPRRK00
	S009088	CPDAK00
	S009083	CPLAK00
	S009068	CIDBK00
	S009065	CPDTK00
	S009055	CIDBK00
	S009054	CIDBK00
	S009044	CPDTK00
	S008969	CPRFK00
	S008963	CINSK00
	S008766	CINSK00
	S008755	CINSK00
	S008732	CPUTK00
	S008540	CINSK00
CAR1907	S009033	CINSK00
	S009028	CUGRK00
	S009027	CPUTK00
	S009026	CPRRK00
	S009025	CPFUK00
	S009024	CPFLK00
	S009023	CPDAK00
	S009022	CINSK00
	S008957	CINSK00
	S008922	CPRAK00
	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

CA RS Level	Service	FMID
	S008803	CPUTK00
	S008802	CPLAK00
	S008799	CSQ2100
	S008789	CPDTK00
	S008782	CPUTK00
	S008762	CTGRK00
	S008750	CINSK00
	S008728	CIDBK00
	S008684	CINSK00
	S008668	CUGRK00
	S008667	CPUTK00
	S008663	COFSK00
	S008662	CINSK00
	S008654	CINSK00
	S008644	CINSK00
	S008606	CINSK00
	S008586	CPUTK00
	S008585	CPFUK00
	S008584	CPFLK00
	S008581	CPPAK00
	S008580	CPBAK00
	S008579	COFSK00
	S008578	CINSK00
	S008577	CIDBK00
	S008576	CSQ2100
	S008467	CINSK00
	S008414	CINSK00
	S008352	CPFUK00
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

CA RS Level	Service	FMID
	S008330	CINSK00
	S008323	CPDTK00
	S008313	CINSK00
	S008302	CIDBK00
	S008296	CINSK00
	S008291	CINSK00
	S008280	CUGRK00
	S008279	CIDBK00
	S008278	CINSK00
	S008262	CINSK00
	S008244	CPDTK00
	S008240	CINSK00
	S008232	CRCQK00
	S008216	CINSK00
	S008202	CINSK00
	S008198	CINSK00
	S008190	CPSAK00
	S008128	CINSK00
	S008074	CRCMK00
CAR1905	S008204	CPDTK00
	S008193	CUGRK00
	S008137	CUGRK00
	S008136	CINSK00
	S008129	CPDTK00
	S008123	CPSAK00
	S008112	CPFUK00
	S008109	COFSK00
	S008101	COFSK00
	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

CA RS Level	Service	FMID
	S007906	CPRAK00
	S007905	CUGRK00
	S007904	CAHOK00
	S007894	CPUTK00
	S007893	CPRRK00
	S007884	CTGRK00
	S007856	CINSK00
CAR1904	S007826	CUGRK00
	S007825	CTGRK00
	S007824	CRCUK00
	S007823	CRCSK00
	S007822	CRCQK00
	S007821	CRCMK00
	S007820	CPUTK00
	S007819	CPSAK00
	S007818	CPRRK00
	S007815	CPRFK00
	S007814	CPPAK00
	S007813	CPLAK00
	S007812	CPFUK00
	S007811	CPFLK00
	S007810	CPDTK00
	S007809	CPDAK00
	S007808	COFSK00
	S007807	CINSK00
	S007806	CIDBK00
	S007804	CAHOK00
	S007774	CINSK00
	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

CA RS Level	Service	FMID
	S006978	CINSK00
	S006977	CIDBK00
	S006879	CUGRK00
	S006878	CRCXK00
	S006877	CRCUK00
	S006876	CRC SK00
	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	CRC SK00
	S006128	CRCQK00
	S006127	CPUTK00
	S006126	CPSAK00
	S006125	CPRRK00
	S006122	CPRFK00
	S006121	CPRAK00

CA RS Level	Service	FMID
	S006120	CPPAK00
	S006119	CPLAK00
	S006118	CPFUK00
	S006117	CPFLK00
	S006116	CPDTK00
	S006115	CPDAK00
	S006114	COFSK00
	S006113	CINSK00
	S006112	CIDBK00
CAR1811	S006069	CUGRK00
	S006068	CPUTK00
	S006067	CINSK00
	S006064	CPUTK00
	S006007	CINSK00
	S005873	CINSK00
	S005700	CPUTK00
CAR1810	S005503	CPFUK00
	S005502	CPFLK00
	S005337	CUGRK00
	S005308	CSQ2100
	S005280	CINSK00
	S005266	CINSK00
	S005199	CINSK00
CAR1809	S005237	CINSK00
	S005102	CPUTK00
	S005101	CPFUK00
	S005081	CPFLK00
	S005070	CINSK00
	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

CA RS Level	Service	FMID
	S004795	CPLAK00
	S004794	CINSK00
	S004757	CPDTK00
	S004756	CINSK00
CAR1808	S004720	CRCUK00
	S004719	CRCMK00
	S004718	CINSK00
	S004475	CUGRK00
	S004474	CTGRK00
	S004473	CRCXK00
	S004472	CRCUK00
	S004471	CRCQK00
	S004470	CRCMK00
	S004469	CPUTK00
	S004468	CPSAK00
	S004467	CPRRK00
	S004464	CPRFK00
	S004463	CPRAK00
	S004462	CPPAK00
	S004461	CPLAK00
	S004460	CPFUK00
	S004459	CPFLK00
	S004458	CPDTK00
	S004457	CPDAK00
	S004456	COFSK00
	S004455	CINSK00
	S004454	CIDBK00
	S004437	CRCQK00
	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

CA RS Level	Service	FMID
	S003860	CINSK00
	S003844	CPUTK00
	S003843	CINSK00
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

CA RS Level	Service	FMID
	S001399	CPDAK00
	S001398	CPBAK00
	S001397	COFSK00
	S001396	CINSK00
	S001395	CIDBK00
CAR1804	S000978	CINSK00
	S000977	CSQ2100
	S000975	CPLAK00
	S000894	CUGRK00
	S000893	CPUTK00
	S000871	CPSAK00
	S000849	CSQ2100
	S000848	CUTSK00
	S000847	CPUTK00
	S000846	CPRRK00
	S000845	CINSK00
	S000788	CUGRK00
	S000787	CPUTK00
	S000786	CPRRK00
	S000785	CINSK00
	S000704	CPFLK00
	S000631	CSQ2100
	S000081	CPFLK00
CAR1803	S000616	CRCUK00
	S000423	CPDTK00
	S000343	CINSK00
	S000295	CPFUK00
	S000263	CPDTK00
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

CA RS Level	Service	FMID
	R099968	CSQ2100
	R099946	CPDTK00
	R099899	CSQ2100
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

CA RS Level	Service	FMID
	R097721	CRCUK00
	R097720	CRC SK00
	R097719	CRCQK00
	R097718	CRCMK00
	R097717	CPUTK00
	R097716	CPSAK00
	R097715	CPRRK00
	R097712	CPRFK00
	R097711	CPRAK00
	R097710	CPPAK00
	R097709	CPLAK00
	R097708	CPFLK00
	R097707	CPDTK00
	R097706	CPDAK00
	R097705	COFSK00
	R097704	CINSK00
	R097703	CIDBK00
CAR1709	R097683	CIDBK00
	R097376	CSQ2100
CAR1708	R097169	CSQ2100
	R097090	CSQ2100
	R096595	CUGRK00
	R096594	CRCUK00
	R096593	CRCQK00
	R096592	CRCMK00
	R096591	CPXNK00
	R096590	CPUTK00
	R096589	CPSAK00
	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

CA RS Level	Service	FMID
	R096005	CUTSK00
	R096002	CUGRK00
	R095972	CUTSK00
	R095918	CUTSK00