

CA DB2 Tools 19.0  
CA RS 2008 Service List

1

| Service                                            | Description                                                | Type      |
|----------------------------------------------------|------------------------------------------------------------|-----------|
| S013710                                            | UPDATE CORRELATION VALUE FOR DB2 CONNECTION TYPE RRSAF     | PTF       |
| S013811                                            | SECURITY OR INTEGRITY PROBLEM                              | PTF       |
| S013867                                            | ACTION CONDITION (CROSS CONDITION) FAILS WITH SQLCODE -104 | PTF       |
| S013906                                            | CONVERTING VERSION STRING TO EBCDIC WHILE IN EBCDIC        | PTF       |
| S014023                                            | INCORRECT SPACE MAP HEADER FIELDS                          | *HIP/PRP* |
| S014055                                            | PFU0217E BP-LOOKUP / INTERNAL PROCESSING ERROR UTAFUFMT    | PTF       |
| S014223                                            | UNWANTED BEHAVIOR OF IMPORT AND COPY COMMANDS              | PTF       |
| The CA RS 2008 service count for this release is 7 |                                                            |           |

CA DB2 Tools  
CA RS 2008 Service List for CINSJ00

2

| FMID                                            | Service | Description                                            | Type |
|-------------------------------------------------|---------|--------------------------------------------------------|------|
| CINSJ00                                         | SO13710 | UPDATE CORRELATION VALUE FOR DB2 CONNECTION TYPE RRSAP | PTF  |
| The CA RS 2008 service count for this FMID is 1 |         |                                                        |      |

CA DB2 Tools  
CA RS 2008 Service List for CPDAJ00

| FMID                                            | Service | Description                                                | Type |
|-------------------------------------------------|---------|------------------------------------------------------------|------|
| CPDAJ00                                         | S013867 | ACTION CONDITION (CROSS CONDITION) FAILS WITH SQLCODE -104 | PTF  |
| The CA RS 2008 service count for this FMID is 1 |         |                                                            |      |

CA DB2 Tools  
CA RS 2008 Service List for CPDTJ00

| FMID                                            | Service | Description                                         | Type |
|-------------------------------------------------|---------|-----------------------------------------------------|------|
| CPDTJ00                                         | S013906 | CONVERTING VERSION STRING TO EBCDIC WHILE IN EBCDIC | PTF  |
| The CA RS 2008 service count for this FMID is 1 |         |                                                     |      |

CA DB2 Tools  
CA RS 2008 Service List for CPFLJ00

5

| FMID                                            | Service | Description                       | Type      |
|-------------------------------------------------|---------|-----------------------------------|-----------|
| CPFLJ00                                         | S014023 | INCORRECT SPACE MAP HEADER FIELDS | *HIP/PRP* |
| The CA RS 2008 service count for this FMID is 1 |         |                                   |           |

CA DB2 Tools  
CA RS 2008 Service List for CPFUJ00

| FMID                                            | Service | Description                                             | Type |
|-------------------------------------------------|---------|---------------------------------------------------------|------|
| CPFUJ00                                         | S014055 | PFU0217E BP-LOOKUP / INTERNAL PROCESSING ERROR UTAFUFMT | PTF  |
| The CA RS 2008 service count for this FMID is 1 |         |                                                         |      |

CA DB2 Tools  
CA RS 2008 Service List for CPLAJ00

| FMID                                            | Service | Description                   | Type |
|-------------------------------------------------|---------|-------------------------------|------|
| CPLAJ00                                         | SO13811 | SECURITY OR INTEGRITY PROBLEM | PTF  |
| The CA RS 2008 service count for this FMID is 1 |         |                               |      |

CA DB2 Tools  
CA RS 2008 Service List for CPRFJ00

| FMID                                            | Service | Description                                   | Type |
|-------------------------------------------------|---------|-----------------------------------------------|------|
| CPRFJ00                                         | S014223 | UNWANTED BEHAVIOR OF IMPORT AND COPY COMMANDS | PTF  |
| The CA RS 2008 service count for this FMID is 1 |         |                                               |      |



| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| SO13710 | <div>SO13710    M.C.S. ENTRIES    = ++PTF (SO13710)</div> <div>UPDATE CORRELATION VALUE FOR DB2 CONNECTION TYPE RRSAF</div> <div>PROBLEM DESCRIPTION:</div> <div>The correlation value is defaulted to 'CA DB MGMT' when the CONNECT option in SETUPxx member is AUTO.</div> <div>SYMPTOMS:</div> <div>When the Db2 connection type is RRSAF and the user performed the DML activity either in online or batch, the CA Log Analyzer for DB2 for z/OS DML Activity summary report generated might show the Correlation-id as 'CA DB MGMT'.</div> <div>The sample report is shown below.</div> <div>URID: 000000000XXXXXXXXX URID Status        : Committed    Connection-id    : RRSAF</div> <div>LRSN: 00YYYYYYYYYYYYYYYYYY Primary Auth-id: AAAAAAA     Connection Type: RRSAF</div> <div>Member        : ABCD                            Correlation-id : CA DB MGMT</div> <div>Plan name: RBPAP200                            Timestamp        : 2020-06-04-04.08.02.734375</div> <div>-----</div> <div>IMPACT:</div> <div>The default correlation-id 'CA DB MGMT' prevents the user to identify the associated batch job when the DML activity performed in batch or the TSO userid when in online.</div> <div>CIRCUMVENTION:</div> <div>None.</div> <div>PRODUCT(S) AFFECTED:</div> <div>CA Database Management Solutions for DB2 for z/OS 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| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         | <pre>  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 CA-DB2 tools and/or may compromise the operating system/DB2 including possible failures. ).</pre> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SO13811 | <p>SO13811 M.C.S. ENTRIES = ++PTF (SO13811)</p> <p>SECURITY OR INTEGRITY PROBLEM</p> <p>PROBLEM DESCRIPTION:</p> <p>Security or Integrity Problem.</p> <p>SYMPTOMS:</p> <p>N/A</p> <p>IMPACT:</p> <p>Security or Integrity Problem.</p> <p>CIRCUMVENTION:</p> <p>N/A</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Log Analyzer for DB2 for z/OS Version 20.0</p> <p>CA Log Analyzer for DB2 for z/OS Version 19.0</p> <p>Related Problem:</p> <p>PLA 1315</p> <p>Copyright (C) 2020 CA. All rights reserved. R02309-D190-SP2</p> <p>DESC (SECURITY OR INTEGRITY PROBLEM) .</p> <p>++VER (Z038)</p> <p>FMID (CPLAJ00)</p> <p>PRE ( R079516 R080842 R085815 R092936 R094207 R094735 )</p> <p>SUP ( ST13811 )</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| SO13867 | <p>SO13867 M.C.S. ENTRIES = ++PTF (SO13867)</p> <p>ACTION CONDITION (CROSS CONDITION) FAILS WITH SQLCODE -104</p> <p>PROBLEM DESCRIPTION:</p> <p>CA Database Analyzer for DB2 for z/OS (PDA) action based Extract Procedures with cross condition "#0230 - (IXP) Clustered percent (use cross cond)" may result in SQLCODE -104 when executing the Action condition.</p> <p>SYMPTOMS:</p> <p>The following messages can be found it the PTIMSG output:</p> <p>==&gt; Cond(0230) - (IXP) Clustered percent (use cross cond) - REJECT-2</p> <p>DSNT408I SQLCODE = -104, ERROR: ILLEGAL SYMBOL "*". SOME SYMBOLS THAT MIGHT BE LEGAL ARE: AT YEAR YEARS MONTH MONTHS DAY DAYS HOUR</p> <p>HOURS MINUTE MINUTES</p> <p>DSNT418I SQLSTATE = 42601 SQLSTATE RETURN CODE</p> <p>DSNT415I SQLERRP = DSNHPARS SQL PROCEDURE DETECTING ERROR</p> <p>DSNT416I SQLERRD = 3 0 0 -1 156 502 SQL DIAGNOSTIC INFORMATION</p> <p>DSNT416I SQLERRD = X'00000003' X'00000000' X'00000000'</p> <p>X'FFFFFFFF' X'0000009C' X'000001F6' SQL DIAGNOSTIC</p> <p>INFORMATION</p> <p>IMPACT:</p> <p>PDA EXTRACT FAILS WITH RC=8.</p> <p>CIRCUMVENTION:</p> <p>None</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Database Analyzer for DB2 for z/OS Version 19.0</p> <p>CA Database Analyzer for DB2 for z/OS Version 20.0</p> <p>Related Problem:</p> <p>PDA 1362</p> <p>Copyright (C) 2020 CA. All rights reserved. R02310-D190-SP2</p> <p>DESC(ACTION CONDITION (CROSS CONDITION) FAILS WITH SQLCODE -104).</p> <p>++VER (Z038)</p> <p>FMID (CPDAJ00)</p> <p>PRE ( R084303 R088142 R091772 R092932 R094731 )</p> <p>SUP ( ST13867 )</p> |

| Service                      | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |              |                              |              |                              |              |          |              |         |                                                            |       |                                                         |          |           |  |                                              |           |          |          |                            |  |                                                          |        |                               |          |  |
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| S013906                      | <p>S013906 M.C.S. ENTRIES = ++PTF (S013906)</p> <p>CONVERTING VERSION STRING TO EBCDIC WHILE IN EBCDIC</p> <p>PROBLEM DESCRIPTION:</p> <p>CA Detector for DB2 for z/OS (PDT) may erroneously identify an EBCDIC version string as UNICODE and convert that string to EBCDIC. When this happens the result is a garbled version ID.</p> <p>SYMPTOMS:</p> <p>PDT collects garbled version ID data and displays the following message when trying to access SQL statements:</p> <p>ERROR IN DETECTOR DT160I : RELATED SQL CALL TEXT COULD NOT BE LOCATED</p> <p>IMPACT:</p> <p>Cannot access SQL and version ID is garbled.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <table border="0"> <tr> <td>CA Detector for DB2 for z/OS</td> <td>Version 19.0</td> </tr> <tr> <td>CA Detector for DB2 for z/OS</td> <td>Version 20.0</td> </tr> </table> <p>Related Problem:</p> <p>PDT 1699</p> <p>Copyright (C) 2020 CA. All rights reserved. R02311-D190-SP2</p> <p>DESC(CONVERTING VERSION STRING TO EBCDIC WHILE IN EBCDIC).<br/> ++VER (Z038)<br/> FMID (CPDTJ00)<br/> PRE ( R078673 R079164 R079651 R080565 R081029 R087010<br/> R091026 R092351 R092933 R094982 R095038 R096095<br/> R098012 S000095 S001698 S007193 S007417 S009346<br/> S011366 )<br/> SUP ( AR98012 R090016 R097145 R098425 ST13906 TR90016<br/> TR97145 TR98425 )<br/> ++HOLD (S013906) SYSTEM FMID(CPDTJ00)<br/> REASON (RESTART) DATE (20197)<br/> COMMENT (</p> <table border="1"> <tr> <td>CA Detector for DB2 for z/OS</td> <td>Version 19.0</td> </tr> <tr> <td>SEQUENCE</td> <td>Before Apply</td> </tr> <tr> <td>PURPOSE</td> <td>Avoidance of module mismatch related errors in an Xmanager</td> </tr> <tr> <td>USERS</td> <td>Collections of DB2 statistics via Detector or Subsystem</td> </tr> <tr> <td>AFFECTED</td> <td>Analyzer.</td> </tr> <tr> <td></td> <td>DB2 subsystems that have active collections.</td> </tr> <tr> <td>KNOWLEDGE</td> <td>1. SMP/E</td> </tr> <tr> <td>REQUIRED</td> <td>2. z/OS System Programming</td> </tr> <tr> <td></td> <td>3. CA DB2 Tools Installation and Maintenance procedures.</td> </tr> <tr> <td>ACCESS</td> <td>1. Product runtime libraries.</td> </tr> <tr> <td>REQUIRED</td> <td></td> </tr> </table> <p>*****</p> <p>* STEPS TO PERFORM *</p> | CA Detector for DB2 for z/OS | Version 19.0 | CA Detector for DB2 for z/OS | Version 20.0 | CA Detector for DB2 for z/OS | Version 19.0 | 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. CA DB2 Tools Installation and Maintenance procedures. | ACCESS | 1. Product runtime libraries. | REQUIRED |  |
| CA Detector for DB2 for z/OS | Version 19.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |              |                              |              |                              |              |          |              |         |                                                            |       |                                                         |          |           |  |                                              |           |          |          |                            |  |                                                          |        |                               |          |  |
| CA Detector for DB2 for z/OS | Version 20.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |              |                              |              |                              |              |          |              |         |                                                            |       |                                                         |          |           |  |                                              |           |          |          |                            |  |                                                          |        |                               |          |  |
| CA Detector for DB2 for z/OS | Version 19.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |              |                              |              |                              |              |          |              |         |                                                            |       |                                                         |          |           |  |                                              |           |          |          |                            |  |                                                          |        |                               |          |  |
| 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. CA DB2 Tools Installation and Maintenance procedures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |              |                              |              |                              |              |          |              |         |                                                            |       |                                                         |          |           |  |                                              |           |          |          |                            |  |                                                          |        |                               |          |  |
| ACCESS                       | 1. Product runtime libraries.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |              |                              |              |                              |              |          |              |         |                                                            |       |                                                         |          |           |  |                                              |           |          |          |                            |  |                                                          |        |                               |          |  |
| REQUIRED                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                              |              |                              |              |                              |              |          |              |         |                                                            |       |                                                         |          |           |  |                                              |           |          |          |                            |  |                                                          |        |                               |          |  |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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|         | <p>*****</p> <p>To implement the PTF:</p> <ol style="list-style-type: none"><li>1. Stop product collections.</li><li>2. Stop the Xmanager task.</li><li>3. Update the runtime library.</li><li>4. Restart the Xmanager task.</li></ol> <p>Important!</p> <p>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 CA-DB2 tools and/or may compromise the operating system/DB2 including possible failures.</p> <p>).</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| SO14023 | <p>SO14023 M.C.S. ENTRIES = ++PTF (SO14023)</p> <p>INCORRECT SPACE MAP HEADER FIELDS</p> <p>PROBLEM DESCRIPTION:</p> <p>CA Fast Load for DB2 for z/OS (PFL) may incorrectly calculate header fields of the last segmented space map page in a table space page set when the space map is full and one of the following PTF fixes is applied:</p> <ul style="list-style-type: none"> <li>- S009377 (for Version 19.0).</li> <li>- S009378 (for Version 20.0).</li> <li>- S011325 (for Version 20.0).</li> </ul> <p>The incorrect header fields may result in failures when the table is accessed.</p> <p>PROBLEM DESCRIPTION:</p> <p>SYMPTOMS:</p> <p>SEGLENT='FFFFFFFF'X in a segmented space map page.</p> <p>IMPACT:</p> <p>Subsequent SQL statement activity may overwrite tablespace data.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Fast Load for DB2 for z/OS Version 19.0</p> <p>CA Fast Load for DB2 for z/OS Version 20.0</p> <p>Related Problem:</p> <p>PFL 1297</p> <p>Copyright (C) 2020 CA. All rights reserved. R02312-D190-SP2</p> <p>DESC(INCORRECT SPACE MAP HEADER FIELDS).</p> <p>++VER (Z038)</p> <p>FMID (CPFLJ00)</p> <p>PRE ( R084208 R085546 R086449 R088656 R089641 R091027<br/>R091312 R091774 R092352 R092934 R094733 R096033<br/>R099338 S005140 S007011 S012887 S013259 )</p> <p>SUP ( AC05084 AS09181 AS13259 R077752 R079562 R086637<br/>R094510 R096357 S000080 S004679 S005083 S005188<br/>S006035 S009181 S009377 ST00080 ST04679 ST05083<br/>ST05188 ST06035 ST09181 ST09377 ST14023 TR77752<br/>TR79562 TR84219 TR86637 TR94510 TR96357 )</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SO14055 | <p>SO14055 M.C.S. ENTRIES = ++PTF (SO14055)</p> <p>PFU0217E BP-LOOKUP / INTERNAL PROCESSING ERROR UTAFUFMT</p> <p>PROBLEM DESCRIPTION:</p> <p>1. CA Fast Unload for DB2 for z/OS (PFU) may fail with "PFU0217E - PAGE SEQUENCE ERROR" when SHRLEVEL CHANGE,BP-LOOKUP is used and PTF SO08861 is applied.</p> <p>2. CA Fast Unload for DB2 for z/OS (PFU) may fail with "PFU0146E - INTERNAL PROCESSING ERROR UTAFUFMT - 001" message when OUTPUT-FORMAT DSNTIAUL is used and there are 1-byte long columns containing nulls.</p> <p>SYMPTOMS:</p> <p>1. "PFU0217E - PAGE SEQUENCE ERROR" error message.</p> <p>2. "PFU0146E - INTERNAL PROCESSING ERROR UTAFUFMT - 001" error message.</p> <p>IMPACT:</p> <p>Processing fails.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Fast Unload for DB2 for z/OS Version 19.0</p> <p>CA Fast Unload for DB2 for z/OS Version 20.0</p> <p>Related Problem:</p> <p>PFU 1103</p> <p>Copyright (C) 2020 CA. All rights reserved. R02313-D190-SP2</p> <p>DESC(PFU0217E BP-LOOKUP / INTERNAL PROCESSING ERROR UTAFUFMT) .</p> <p>++VER (Z038)</p> <p>FMID (CPFUJ00)</p> <p>PRE ( R079770 R082880 R083631 R085199 R087084 R088561</p> <p>R088657 R091313 R091775 R092935 R094206 R096152</p> <p>SO00067 SO00654 SO01040 )</p> <p>SUP ( ST14055 )</p> |



| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SO14223 | <p>SO14223 M.C.S. ENTRIES = ++PTF (SO14223)</p> <p>UNWANTED BEHAVIOR OF IMPORT AND COPY COMMANDS</p> <p>PROBLEM DESCRIPTION:</p> <p>CA Report Facility (PRF) IMPORT and COPY commands cause unwanted behavior while working with objects defined under non-default Creator IDs.</p> <p>When you import objects defined under a non-default Creator ID, and with Replace option 'N', the object on the first index is imported and replaced even if the object already exists in PRF.</p> <p>When you copy objects defined under a non-default Creator ID, and with the SHR option 'Y', the target object is created with the SHR option 'U' instead.</p> <p>SYMPTOMS:</p> <p>For the IMPORT command, the object already existing in PRF gets replaced.</p> <p>For the COPY command, the target object is created with the SHR option 'U'.</p> <p>IMPACT:</p> <p>PRF users get undesirable results while working with IMPORT and COPY commands for objects defined under a non-default Creator ID.</p> <p>CIRCUMVENTION:</p> <p>For the COPY command, the users have to edit the SHR option and change it to 'Y'.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Report Facility Version 19.0</p> <p>CA Report Facility Version 20.0</p> <p>Related Problem:</p> <p>BIPRF 724</p> <p>Copyright (C) 2020 CA. All rights reserved. R02315-D190-SP2</p> <p>DESC(UNWANTED BEHAVIOR OF IMPORT AND COPY COMMANDS).</p> <p>++VER (Z038)</p> <p>FMID (CPRFJ00)</p> <p>PRE ( R080180 R087320 R087895 R089389 R091777 R092939</p> <p>R094210 R097363 S013517 )</p> <p>SUP ( ST14223 )</p> <p>++IF FMID(CPRFJ01) REQ(S014224 ) .</p> <p>++IF FMID(CPRFJ02) REQ(S014225 ) .</p> <p>MCS S013710 STARTS ON PAGE 0002</p> <p>MCS S013811 STARTS ON PAGE 0003</p> <p>MCS S013867 STARTS ON PAGE 0004</p> <p>MCS S013906 STARTS ON PAGE 0005</p> <p>MCS S014023 STARTS ON PAGE 0007</p> <p>MCS S014055 STARTS ON PAGE 0007</p> <p>MCS S014223 STARTS ON PAGE 0008</p> |

CA DB2 Tools 19.0  
CA RS 2008 Product/Component Listing

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| Product Family                                                | Product                                                      | Release  |
|---------------------------------------------------------------|--------------------------------------------------------------|----------|
| Database                                                      | CA BIND ANALYZER FOR DB2 FOR Z/OS                            | 19.00.00 |
|                                                               | CA CHORUS DBA SERVICES                                       | 19.00.00 |
|                                                               | CA DATABASE ANALYZER FOR DB2 FOR Z/OS                        | 19.00.00 |
|                                                               | CA DATABASE MANAGEMENT SOLUTION FOR DB2 FOR ZOS BASE INSTALL | 19.00.00 |
|                                                               | CA DETECTOR FOR DB2 FOR Z/OS                                 | 19.00.00 |
|                                                               | CA ENDEVOR SOFTWARE CHANGE MANAGER INTERFACE FOR DB2         | 19.00.00 |
|                                                               | CA FAST LOAD FOR DB2 FOR Z/OS                                | 19.00.00 |
|                                                               | CA FAST UNLOAD FOR DB2 FOR Z/OS                              | 19.00.00 |
|                                                               | CA LOG ANALYZER FOR DB2 FOR Z/OS                             | 19.00.00 |
|                                                               | CA PLAN ANALYZER FOR DB2 FOR Z/OS                            | 19.00.00 |
|                                                               | CA RAPID REORG FOR DB2 FOR Z/OS                              | 19.00.00 |
|                                                               | CA RC/EXTRACT FOR DB2 FOR Z/OS                               | 19.00.00 |
|                                                               | CA RC/MIGRATOR FOR DB2 FOR Z/OS                              | 19.00.00 |
|                                                               | CA RC/QUERY FOR DB2 FOR Z/OS                                 | 19.00.00 |
|                                                               | CA RC/SECURE FOR DB2 FOR Z/OS                                | 19.00.00 |
|                                                               | CA RC/UPDATE FOR DB2 FOR Z/OS                                | 19.00.00 |
|                                                               | CA RECOVERY ANALYZER FOR DB2 FOR Z/OS                        | 19.00.00 |
|                                                               | CA REPORT FACILITY FOR TSO                                   | 19.00.00 |
|                                                               | CA SNAPSHOT GENERAL SERVICES FOR DB2                         | 19.00.00 |
|                                                               | CA SUBSYSTEM ANALYZER FOR DB2 FOR Z/OS                       | 19.00.00 |
|                                                               | CA SYSVIEW PERFORMANCE MANAGEMENT OPTION FOR DB2 FOR Z/OS    | 19.00.00 |
|                                                               | CA UTILITIES COMMON FOR DB2                                  | 19.00.00 |
|                                                               | CA XNET COMMUNICATIONS SERVER FOR DB2                        | 19.00.00 |
|                                                               | UTILITY GENERAL RECOVERY AND PFR PMM PQC PFC                 | 19.00.00 |
| The CA RS 2008 Product/Component Count for this release is 24 |                                                              |          |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
| CAR2008     | S014223 | CPRFJ00 |
|             | S014055 | CPFUJ00 |
|             | S014023 | CPFLJ00 |
|             | S013906 | CPDTJ00 |
|             | S013867 | CPDAJ00 |
|             | S013811 | CPLAJ00 |
|             | S013710 | CINSJ00 |
|             | S013517 | CPRFJ00 |
| CAR2007     | S013444 | CPFUJ00 |
|             | S013438 | CPLAJ00 |
|             | S013381 | CINSJ00 |
|             | S013365 | CINSJ00 |
| CAR2006     | S013259 | CPFLJ00 |
|             | S013181 | CPDTJ00 |
|             | S013079 | CINSJ00 |
|             | S012887 | CPFLJ00 |
| CAR2005     | S012883 | CINSJ00 |
|             | S012690 | CINSJ00 |
|             | S012627 | CINSJ00 |
|             | S012419 | CPDTJ00 |
| CAR2004     | S012289 | CPSAJ00 |
|             | S012288 | CPDTJ00 |
|             | S012287 | CINSJ00 |
|             | S012286 | CIDBJ00 |
|             | S012191 | CIDBJ00 |
|             | S012088 | CIDBJ00 |
| CAR2003     | S011992 | CPFUJ00 |
|             | S011989 | CPDTJ00 |
|             | S011934 | CPUTJ00 |
|             | S011927 | CPFLJ00 |
|             | S011926 | CINSJ00 |
|             | S011911 | CPDAJ00 |
|             | S011779 | CUGRJ00 |
|             | S011716 | CPDTJ00 |
|             | S011019 | CPDAJ00 |
|             | S011628 | CPSAJ00 |
| CAR2002     | S011627 | CPDTJ00 |
|             | S011626 | CINSJ00 |
|             | S011607 | CPDTJ00 |
|             | S011573 | CINSJ00 |
|             | S011565 | CPPAJ00 |
|             | S011564 | CINSJ00 |
|             | S011546 | CPFLJ00 |
|             | S011545 | CPFUJ00 |
|             | S011544 | CINSJ00 |
|             | S011543 | CPLAJ00 |
|             | S011367 | CPSAJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S011366 | CPDTJ00 |
|             | S011365 | CINSJ00 |
|             | S011364 | CIDBJ00 |
|             | S011349 | CPDTJ00 |
| CAR2001     | S011253 | CPSAJ00 |
|             | S011160 | CPSAJ00 |
|             | S011159 | CPDTJ00 |
|             | S011158 | CINSJ00 |
|             | S010938 | CIDBJ00 |
|             | S010868 | CPSAJ00 |
|             | S010790 | CIDBJ00 |
|             | S010377 | CPRRJ00 |
| CAR1912     | S011012 | CINSJ00 |
|             | S011010 | CPFUJ00 |
|             | S010773 | CPRRJ00 |
|             | S010749 | CINSJ00 |
|             | S010698 | CINSJ00 |
|             | S010675 | CINSJ00 |
| CAR1911     | S010607 | CPUTJ00 |
|             | S010595 | CINSJ00 |
|             | S010506 | CPRRJ00 |
|             | S010475 | CPFLJ00 |
|             | S010465 | CINSJ00 |
|             | S010446 | CPUTJ00 |
|             | S010404 | CIDBJ00 |
|             | S010391 | CIDBJ00 |
|             | S010314 | CPSAJ00 |
|             | S010313 | CPDTJ00 |
|             | S010312 | CIDBJ00 |
|             | S010307 | CUGRJ00 |
|             | S010294 | CRCQJ00 |
|             | S010285 | CPUTJ00 |
|             | S010284 | CPFLJ00 |
|             | S010283 | CINSJ00 |
|             | S010254 | CPDTJ00 |
|             | S010097 | CIDBJ00 |
|             | S010058 | CTGRJ00 |
|             | S009850 | CINSJ00 |
| CAR1910     | S010225 | CINSJ00 |
|             | S010156 | CINSJ00 |
|             | S010130 | CINSJ00 |
|             | S010040 | CUGRJ00 |
|             | S010019 | CPDTJ00 |
|             | S010009 | CPDTJ00 |
|             | S009975 | CUGRJ00 |
|             | S009972 | CPUTJ00 |
|             | S009953 | CPRRJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S009933 | CUGRJ00 |
|             | S009906 | CPRRJ00 |
|             | S009895 | CPUTJ00 |
|             | S009894 | CINSJ00 |
|             | S009875 | CINSJ00 |
|             | S009856 | CINSJ00 |
|             | S009817 | CINSJ00 |
|             | S008765 | CINSJ00 |
| CAR1909     | S009740 | CAHOJ00 |
|             | S009739 | CPDTJ00 |
|             | S009707 | CIDBJ00 |
|             | S009642 | CUGRJ00 |
|             | S009622 | CINSJ00 |
|             | S009611 | CINSJ00 |
|             | S009593 | CPDAJ00 |
|             | S009570 | CPUTJ00 |
|             | S009507 | CUGRJ00 |
|             | S009493 | CINSJ00 |
|             | S009422 | CTGRJ00 |
|             | S009402 | CINSJ00 |
|             | S009377 | CPFLJ00 |
|             | S009203 | CRCMJ00 |
|             | S009202 | CPPAJ00 |
|             | S009201 | CINSJ00 |
| CAR1908     | S009347 | CPSAJ00 |
|             | S009346 | CPDTJ00 |
|             | S009345 | CIDBJ00 |
|             | S009338 | CPFUJ00 |
|             | S009296 | CPSAJ00 |
|             | S009282 | CIDBJ00 |
|             | S009230 | CINSJ00 |
|             | S009222 | CPUTJ00 |
|             | S009181 | CPFLJ00 |
|             | S009171 | CPRRJ00 |
|             | S009137 | CUGRJ00 |
|             | S009136 | CINSJ00 |
|             | S009099 | CPLAJ00 |
|             | S009069 | CIDBJ00 |
|             | S009060 | CIDBJ00 |
|             | S009045 | CINSJ00 |
|             | S009042 | CPDTJ00 |
|             | S008896 | CPFUJ00 |
|             | S008756 | CINSJ00 |
|             | S008731 | CPUTJ00 |
| CAR1907     | S008976 | CINSJ00 |
|             | S008966 | CPRFJ00 |
|             | S008936 | CRCSJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S008805 | CIDBJ00 |
|             | S008784 | CPUTJ00 |
|             | S008783 | CUGRJ00 |
|             | S008761 | CTGRJ00 |
|             | S008730 | CINSJ00 |
|             | S008729 | CPFUJ00 |
|             | S008719 | CIDBJ00 |
|             | S008716 | CPUTJ00 |
|             | S008715 | CPRRJ00 |
|             | S008704 | CUGRJ00 |
|             | S008678 | CUGRJ00 |
|             | S008635 | CUGRJ00 |
|             | S008634 | CPUTJ00 |
|             | S008559 | CINSJ00 |
|             | S008531 | CPDTJ00 |
|             | S008522 | CIDBJ00 |
| CAR1906     | S008646 | CRCQJ00 |
|             | S008499 | CINSJ00 |
|             | S008473 | CPRAJ00 |
|             | S008465 | CUGRJ00 |
|             | S008449 | CPPAJ00 |
|             | S008448 | CPBAJ00 |
|             | S008445 | CPDTJ00 |
|             | S008351 | CPFUJ00 |
|             | S008347 | CRCQJ00 |
|             | S008312 | CPFUJ00 |
|             | S008311 | CINSJ00 |
|             | S008297 | CIDBJ00 |
|             | S008281 | CPDTJ00 |
|             | S008230 | CIDBJ00 |
| CAR1905     | S008189 | CPSAJ00 |
|             | S008183 | CINSJ00 |
|             | S008126 | CPDTJ00 |
|             | S008114 | CPFUJ00 |
|             | S008097 | CPDTJ00 |
|             | S008080 | CPSAJ00 |
|             | S008059 | CINSJ00 |
|             | S008057 | CPDTJ00 |
|             | S008056 | CINSJ00 |
|             | S008030 | CPDTJ00 |
|             | S007985 | CPUTJ00 |
|             | S007980 | CPSAJ00 |
|             | S007926 | CPFLJ00 |
|             | S007907 | CPDTJ00 |
|             | S007885 | CTGRJ00 |
|             | S007882 | CPLAJ00 |
|             | S007877 | CPRFJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S007831 | CIDBJ00 |
|             | S007830 | CUGRJ00 |
| CAR1904     | S007747 | CPFLJ00 |
|             | S007731 | CPFUJ00 |
|             | S007721 | CRCMJ00 |
|             | S007719 | CPUTJ00 |
|             | S007718 | CPRRJ00 |
|             | S007717 | CPFLJ00 |
|             | S007710 | CINSJ00 |
|             | S007676 | CINSJ00 |
|             | S007669 | CPFUJ00 |
|             | S007667 | CPRFJ00 |
|             | S007646 | CIDBJ00 |
|             | S007644 | CINSJ00 |
|             | S007630 | CINSJ00 |
|             | S007621 | CUGRJ00 |
|             | S007620 | CPUTJ00 |
|             | S007619 | CPRRJ00 |
|             | S007618 | CPRAJ00 |
|             | S007617 | CPLAJ00 |
|             | S007616 | CINSJ00 |
|             | S007546 | CPDTJ00 |
|             | S007540 | CINSJ00 |
|             | S007508 | CIDBJ00 |
|             | S007471 | CPRRJ00 |
|             | S007457 | CTGRJ00 |
|             | S007344 | CINSJ00 |
| CAR1903     | S007436 | CAHOJ00 |
|             | S007432 | CINSJ00 |
|             | S007421 | CIDBJ00 |
|             | S007418 | CPSAJ00 |
|             | S007417 | CPDTJ00 |
|             | S007416 | CIDBJ00 |
|             | S007403 | CIDBJ00 |
|             | S007351 | CRCQJ00 |
|             | S007335 | CINSJ00 |
|             | S007322 | CPFUJ00 |
|             | S007244 | CINSJ00 |
|             | S007236 | CINSJ00 |
|             | S007216 | CPSAJ00 |
|             | S007196 | CPSAJ00 |
|             | S007051 | CIDBJ00 |
| CAR1902     | S007194 | CPSAJ00 |
|             | S007193 | CPDTJ00 |
|             | S007192 | CIDBJ00 |
|             | S007181 | CPDTJ00 |
|             | S007125 | CPUTJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S007124 | CPRRJ00 |
|             | S007083 | CPLAJ00 |
|             | S007066 | CIDBJ00 |
|             | S007060 | CPDTJ00 |
|             | S007028 | CPSAJ00 |
|             | S007027 | CPDTJ00 |
|             | S007014 | CUGRJ00 |
|             | S007013 | CPUTJ00 |
|             | S007012 | CPRRJ00 |
|             | S007011 | CPFLJ00 |
|             | S007007 | CIDBJ00 |
|             | S006969 | CPDTJ00 |
|             | S006910 | CINSJ00 |
|             | S006909 | CRCQJ00 |
|             | S006852 | CAHOJ00 |
|             | S006827 | CINSJ00 |
|             | S006773 | CPDTJ00 |
|             | S006669 | CIDBJ00 |
| CAR1901     | S006752 | CPPAJ00 |
|             | S006751 | CINSJ00 |
|             | S006735 | CINSJ00 |
|             | S006716 | CPPAJ00 |
|             | S006694 | CINSJ00 |
|             | S006662 | CINSJ00 |
|             | S006661 | CPDTJ00 |
|             | S006584 | CPRRJ00 |
|             | S006571 | CPRRJ00 |
|             | S006560 | CPSAJ00 |
|             | S006552 | CINSJ00 |
|             | S006399 | CINSJ00 |
| CAR1812     | S006509 | CPSAJ00 |
|             | S006508 | CINSJ00 |
|             | S006503 | CPRFJ00 |
|             | S006456 | CUGRJ00 |
|             | S006427 | CINSJ00 |
|             | S006398 | CIDBJ00 |
|             | S006358 | CINSJ00 |
|             | S006308 | CINSJ00 |
|             | S006295 | CINSJ00 |
|             | S006285 | CINSJ00 |
|             | S006265 | CINSJ00 |
|             | S006254 | CIDBJ00 |
|             | S006223 | CPRRJ00 |
|             | S006152 | CINSJ00 |
|             | S006084 | CPRRJ00 |
|             | S006080 | CPRRJ00 |
|             | S005938 | CIDBJ00 |



| CA RS Level | Service | FMID    |
|-------------|---------|---------|
| CAR1811     | S006035 | CPFLJ00 |
|             | S005952 | CUGRJ00 |
|             | S005924 | CPDTJ00 |
|             | S005917 | CINSJ00 |
|             | S005909 | CINSJ00 |
|             | S005799 | CIDBJ00 |
|             | S005770 | CPDTJ00 |
|             | S005765 | CINSJ00 |
|             | S005746 | CINSJ00 |
|             | S005734 | CIDBJ00 |
|             | S005705 | CUGRJ00 |
|             | S005695 | CINSJ00 |
|             | S005649 | CIDBJ00 |
|             | S005429 | CIDBJ00 |
| CAR1810     | S005610 | CUGRJ00 |
|             | S005603 | CPRRJ00 |
|             | S005601 | CRCQJ00 |
|             | S005558 | CINSJ00 |
|             | S005547 | CINSJ00 |
|             | S005535 | CRCUJ00 |
|             | S005494 | CPFUJ00 |
|             | S005430 | CIDBJ00 |
|             | S005427 | CIDBJ00 |
|             | S005415 | CPDTJ00 |
|             | S005386 | CINSJ00 |
|             | S005359 | CIDBJ00 |
|             | S005316 | CUGRJ00 |
|             | S005281 | CINSJ00 |
|             | S005267 | CPFUJ00 |
|             | S005215 | CPSAJ00 |
|             | S005165 | CPUTJ00 |
|             | S005164 | CPRRJ00 |
|             | S005126 | CPDTJ00 |
|             | S004913 | CIDBJ00 |
| CAR1809     | S005248 | CRCQJ00 |
|             | S005227 | CINSJ00 |
|             | S005188 | CPFLJ00 |
|             | S005184 | CIDBJ00 |
|             | S005168 | CPFUJ00 |
|             | S005148 | CUGRJ00 |
|             | S005147 | CRCXJ00 |
|             | S005146 | CPUTJ00 |
|             | S005145 | CPRRJ00 |
|             | S005144 | CPRAJ00 |
|             | S005143 | CPPAJ00 |
|             | S005142 | CPLAJ00 |
|             | S005141 | CPFUJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S005140 | CPFLJ00 |
|             | S005139 | CPDTJ00 |
|             | S005138 | CINSJ00 |
|             | S005137 | CIDBJ00 |
|             | S005135 | CAHOJ00 |
|             | S005087 | CINSJ00 |
|             | S005083 | CPFLJ00 |
|             | S005079 | CPUTJ00 |
|             | S005078 | CPFUJ00 |
|             | S005069 | CINSJ00 |
|             | S005063 | CPRRJ00 |
|             | S005059 | CPFUJ00 |
|             | S005055 | CRCQJ00 |
|             | S005027 | CUGRJ00 |
|             | S005026 | CUGRJ00 |
|             | S005025 | CPUTJ00 |
|             | S005024 | CPFUJ00 |
|             | S005023 | CPDAJ00 |
|             | S005022 | CINSJ00 |
|             | S004999 | CINSJ00 |
|             | S004971 | CRCQJ00 |
|             | S004970 | CINSJ00 |
|             | S004894 | CINSJ00 |
|             | S004763 | CINSJ00 |
|             | S004758 | CINSJ00 |
|             | S004737 | CIDBJ00 |
|             | S004679 | CPFLJ00 |
|             | S004603 | CIDBJ00 |
|             | S004346 | CIDBJ00 |
| CAR1808     | S004749 | CPFLJ00 |
|             | S004706 | CUGRJ00 |
|             | S004684 | CINSJ00 |
|             | S004678 | CINSJ00 |
|             | S004656 | CPRRJ00 |
|             | S004632 | CPDTJ00 |
|             | S004523 | CPRFJ00 |
|             | S004497 | CPFUJ00 |
|             | S004492 | CPRFJ00 |
|             | S004432 | CPDTJ00 |
|             | S004428 | CINSJ00 |
|             | S004410 | CPDTJ00 |
|             | S004408 | CINSJ00 |
|             | S004407 | CIDBJ00 |
|             | S004405 | CPDAJ00 |
|             | S004397 | CINSJ00 |
|             | S004396 | CINSJ00 |
|             | S004379 | CRCJ00  |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S004313 | CIDBJ00 |
|             | S004312 | CIDBJ00 |
|             | S004090 | CIDBJ00 |
| CAR1807     | S004216 | CPDTJ00 |
|             | S004210 | CPDTJ00 |
|             | S004202 | CPDTJ00 |
|             | S004196 | CINSJ00 |
|             | S004192 | CINSJ00 |
|             | S004188 | CPLAJ00 |
|             | S004164 | CINSJ00 |
|             | S004154 | CINSJ00 |
|             | S004139 | CUGRJ00 |
|             | S004123 | CUGRJ00 |
|             | S004106 | CPDTJ00 |
|             | S004089 | CTGRJ00 |
|             | S004081 | CPDAJ00 |
|             | S004074 | CPUTJ00 |
|             | S004073 | CPRRJ00 |
|             | S004072 | CPFUJ00 |
|             | S004071 | CPFLJ00 |
|             | S004067 | CPUTJ00 |
|             | S004041 | CPDTJ00 |
|             | S004031 | CPDTJ00 |
|             | S004022 | CPRRJ00 |
|             | S004000 | CPRAJ00 |
|             | S003970 | CINSJ00 |
|             | S003964 | CUGRJ00 |
|             | S003906 | CPRRJ00 |
|             | S003898 | CPFUJ00 |
|             | S003888 | CPRAJ00 |
|             | S003887 | CINSJ00 |
|             | S003884 | CPFLJ00 |
|             | S003865 | CPDTJ00 |
|             | S003822 | CINSJ00 |
|             | S003798 | CPLAJ00 |
|             | S003733 | CIDBJ00 |
|             | S003642 | CPDTJ00 |
|             | S001795 | CPFUJ00 |
|             | S000823 | CPLAJ00 |
| CAR1806     | S003751 | CINSJ00 |
|             | S003709 | CIDBJ00 |
|             | S003675 | CUGRJ00 |
|             | S003652 | CINSJ00 |
|             | S003650 | CINSJ00 |
|             | S003624 | CPUTJ00 |
|             | S003618 | CUGRJ00 |
|             | S001933 | CUGRJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S001894 | CIDBJ00 |
|             | S001892 | CINSJ00 |
|             | S001881 | CINSJ00 |
|             | S001876 | CPDTJ00 |
|             | S001875 | CINSJ00 |
|             | S001865 | CPSAJ00 |
|             | S001857 | CINSJ00 |
|             | S001835 | CPDTJ00 |
|             | S001832 | CPSAJ00 |
|             | S001831 | CPDTJ00 |
|             | S001817 | CPFUJ00 |
|             | S001797 | CRCQJ00 |
|             | S001784 | CPDTJ00 |
|             | S001782 | CINSJ00 |
|             | S001780 | CINSJ00 |
|             | S001769 | CPDTJ00 |
|             | S001432 | CIDBJ00 |
| CAR1805     | S001699 | CPSAJ00 |
|             | S001698 | CPDTJ00 |
|             | S001697 | CINSJ00 |
|             | S001696 | CIDBJ00 |
|             | S001621 | CPRFJ00 |
|             | S001558 | CRCQJ00 |
|             | S001540 | CIDBJ00 |
|             | S001524 | CINSJ00 |
|             | S001482 | CPFUJ00 |
|             | S001470 | CPSAJ00 |
|             | S001469 | CPDTJ00 |
|             | S001465 | CINSJ00 |
|             | S001460 | CPRRJ00 |
|             | S001454 | CUGRJ00 |
|             | S001453 | CPLAJ00 |
|             | S001452 | CINSJ00 |
|             | S001451 | CIDBJ00 |
|             | S001446 | CPRFJ00 |
|             | S001340 | CRCUJ00 |
|             | S001339 | CINSJ00 |
|             | S001302 | CINSJ00 |
|             | S001292 | CINSJ00 |
|             | S001289 | CPDTJ00 |
|             | S001281 | CINSJ00 |
|             | S001229 | CPSAJ00 |
|             | S001218 | CINSJ00 |
|             | S001217 | CINSJ00 |
|             | S001165 | CPFUJ00 |
|             | S001162 | CPLAJ00 |
|             | S001159 | CIDBJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S001100 | CINSJ00 |
|             | S001088 | CIDBJ00 |
|             | S001075 | CPUTJ00 |
|             | S001074 | CINSJ00 |
| CAR1804     | S001188 | CINSJ00 |
|             | S001072 | CINSJ00 |
|             | S001041 | CUGRJ00 |
|             | S001040 | CPFUJ00 |
|             | S001028 | CIDBJ00 |
|             | S000974 | CINSJ00 |
|             | S000965 | CRCQJ00 |
|             | S000959 | CRCMJ00 |
|             | S000952 | CINSJ00 |
|             | S000897 | CPDTJ00 |
|             | S000879 | CINSJ00 |
|             | S000878 | CINSJ00 |
|             | S000852 | CUGRJ00 |
|             | S000806 | CPDTJ00 |
|             | S000793 | CINSJ00 |
|             | S000762 | CIDBJ00 |
|             | S000761 | CPDTJ00 |
|             | S000758 | CUGRJ00 |
|             | S000735 | CINSJ00 |
|             | S000705 | CPRFJ00 |
|             | S000687 | CPDTJ00 |
|             | S000590 | CIDBJ00 |
|             | S000566 | CPRRJ00 |
|             | S000565 | CINSJ00 |
|             | S000484 | CIDBJ00 |
| CAR1803     | S000684 | CINSJ00 |
|             | S000654 | CPFUJ00 |
|             | S000653 | CPFUJ00 |
|             | S000637 | CPSAJ00 |
|             | S000622 | CPRAJ00 |
|             | S000615 | CINSJ00 |
|             | S000574 | CPDTJ00 |
|             | S000558 | CINSJ00 |
|             | S000555 | CINSJ00 |
|             | S000548 | CRCQJ00 |
|             | S000547 | CRCUJ00 |
|             | S000506 | CIDBJ00 |
|             | S000480 | CINSJ00 |
|             | S000467 | CIDBJ00 |
|             | S000462 | CINSJ00 |
|             | S000424 | CINSJ00 |
|             | S000413 | CINSJ00 |
|             | S000367 | CPDTJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S000348 | CINSJ00 |
|             | S000332 | CUGRJ00 |
|             | S000307 | CPDAJ00 |
|             | S000306 | CPFUJ00 |
|             | S000284 | CINSJ00 |
|             | S000273 | CTGRJ00 |
|             | S000271 | CIDBJ00 |
|             | S000206 | CPFUJ00 |
|             | S000001 | CIDBJ00 |
|             | R099122 | CPDTJ00 |
|             | R099121 | CINSJ00 |
| CAR1802     | S000259 | CUGRJ00 |
|             | S000213 | CPRRJ00 |
|             | S000189 | CINSJ00 |
|             | S000176 | CRCUJ00 |
|             | S000175 | CPFUJ00 |
|             | S000138 | CINSJ00 |
|             | S000128 | CUGRJ00 |
|             | S000126 | CRCQJ00 |
|             | S000125 | CINSJ00 |
|             | S000118 | CPSAJ00 |
|             | S000107 | CINSJ00 |
|             | S000099 | CPRFJ00 |
|             | S000095 | CPDTJ00 |
|             | S000089 | CIDBJ00 |
|             | S000086 | CRCQJ00 |
|             | S000080 | CPFLJ00 |
|             | S000067 | CPFUJ00 |
|             | S000061 | CIDBJ00 |
|             | S000045 | CIDBJ00 |
|             | S000037 | CPDTJ00 |
|             | S000011 | CINSJ00 |
|             | R099986 | CPFUJ00 |
|             | R099985 | CINSJ00 |
|             | R099959 | CINSJ00 |
|             | R099945 | CPSAJ00 |
|             | R099944 | CPDTJ00 |
|             | R099943 | CINSJ00 |
|             | R099941 | CIDBJ00 |
|             | R099934 | CINSJ00 |
|             | R099920 | CRCQJ00 |
|             | R099919 | CINSJ00 |
|             | R099894 | CPDTJ00 |
|             | R099892 | CUGRJ00 |
|             | R099891 | CRCQJ00 |
|             | R099851 | CIDBJ00 |
|             | R099850 | CPDAJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R099831 | CPUTJ00 |
|             | R099830 | CPFLJ00 |
|             | R099702 | CIDBJ00 |
|             | R099699 | CPDTJ00 |
|             | R099686 | CIDBJ00 |
|             | R099649 | CPFUJ00 |
|             | R099648 | CIDBJ00 |
|             | R099529 | CPSAJ00 |
|             | R099528 | CPDTJ00 |
|             | R099522 | CIDBJ00 |
|             | R099292 | CPLAJ00 |
|             | R099064 | CIDBJ00 |
| CAR1801     | R099843 | CINSJ00 |
|             | R099835 | CINSJ00 |
|             | R099741 | CINSJ00 |
|             | R099705 | CINSJ00 |
|             | R099684 | CIDBJ00 |
|             | R099609 | CINSJ00 |
|             | R099590 | CPRFJ00 |
|             | R099519 | CRCQJ00 |
|             | R099494 | CINSJ00 |
|             | R099427 | CINSJ00 |
|             | R099424 | CPDTJ00 |
|             | R099379 | CRCQJ00 |
|             | R099353 | CPDTJ00 |
|             | R099349 | CRCQJ00 |
|             | R099340 | CPUTJ00 |
|             | R099339 | CPRRJ00 |
|             | R099338 | CPFLJ00 |
|             | R099306 | CINSJ00 |
|             | R099077 | CPDTJ00 |
| CAR1712     | R099289 | CINSJ00 |
|             | R099268 | CPFLJ00 |
|             | R099188 | CPFUJ00 |
|             | R099187 | CINSJ00 |
|             | R099172 | CINSJ00 |
|             | R099139 | CPFUJ00 |
|             | R099114 | CINSJ00 |
|             | R099098 | CINSJ00 |
|             | R099073 | CPRFJ00 |
|             | R099037 | CINSJ00 |
|             | R099027 | CPRRJ00 |
|             | R099026 | CINSJ00 |
|             | R099021 | CPFUJ00 |
|             | R099014 | CINSJ00 |
|             | R099013 | CPUTJ00 |
|             | R099011 | CPDTJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R098986 | CINSJ00 |
|             | R098985 | CINSJ00 |
|             | R098983 | CPDTJ00 |
|             | R098966 | CINSJ00 |
|             | R098956 | CRCQJ00 |
|             | R098954 | CUGRJ00 |
|             | R098928 | CINSJ00 |
|             | R098909 | CTGRJ00 |
|             | R098906 | CPDTJ00 |
|             | R098881 | CINSJ00 |
|             | R098869 | CUGRJ00 |
|             | R098855 | CPDTJ00 |
|             | R098845 | CPDTJ00 |
|             | R098768 | CPDTJ00 |
|             | R098746 | CPDTJ00 |
|             | R098699 | CPUTJ00 |
|             | R098698 | CPRRJ00 |
|             | R098631 | CINSJ00 |
|             | R098515 | CINSJ00 |
|             | R098187 | CPLAJ00 |
|             | R097048 | CINSJ00 |
|             | R086718 | CPDTJ00 |
|             | R085659 | CPDTJ00 |
|             | R085001 | CPDTJ00 |
|             | R084899 | CPDTJ00 |
|             | R084456 | CPDTJ00 |
| CAR1711     | R098819 | CRCQJ00 |
|             | R098809 | CINSJ00 |
|             | R098722 | CRCQJ00 |
|             | R098680 | CIDBJ00 |
|             | R098669 | CPUTJ00 |
|             | R098630 | CIDBJ00 |
|             | R098624 | CUGRJ00 |
|             | R098623 | CPRAJ00 |
|             | R098622 | CPLAJ00 |
|             | R098621 | CINSJ00 |
|             | R098619 | CINSJ00 |
|             | R098610 | CPSAJ00 |
|             | R098609 | CPDTJ00 |
|             | R098603 | CIDBJ00 |
|             | R098585 | CRCMJ00 |
|             | R098549 | CPDTJ00 |
|             | R098463 | CINSJ00 |
|             | R098436 | CINSJ00 |
|             | R098425 | CPDTJ00 |
|             | R098422 | CINSJ00 |
|             | R098413 | CINSJ00 |



| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R098386 | CPDTJ00 |
|             | R098322 | CIDBJ00 |
|             | R098320 | CPDTJ00 |
|             | R098313 | CPFUJ00 |
|             | R098265 | CINSJ00 |
|             | R098176 | CPDTJ00 |
|             | R098130 | CUGRJ00 |
|             | R098080 | CPSAJ00 |
|             | R098079 | CPDTJ00 |
|             | R098078 | CINSJ00 |
|             | R098007 | CPPAJ00 |
|             | R096601 | CPLAJ00 |
|             | R095840 | CPUTJ00 |
|             | R095839 | CINSJ00 |
| CAR1710     | R098238 | CRCQJ00 |
|             | R098236 | CINSJ00 |
|             | R098200 | CPDTJ00 |
|             | R098145 | CINSJ00 |
|             | R098107 | CPRAJ00 |
|             | R098098 | CPFUJ00 |
|             | R098047 | CINSJ00 |
|             | R098038 | CPRFJ00 |
|             | R098012 | CPDTJ00 |
|             | R097895 | CINSJ00 |
|             | R097870 | CUGRJ00 |
|             | R097867 | CRCUJ00 |
|             | R097803 | CINSJ00 |
|             | R097785 | CPXNJ00 |
|             | R097630 | CPSAJ00 |
|             | R097582 | CIDBJ00 |
|             | R097440 | CPDTJ00 |
| CAR1709     | R097759 | CINSJ00 |
|             | R097745 | CINSJ00 |
|             | R097697 | CIDBJ00 |
|             | R097654 | CPUTJ00 |
|             | R097649 | CPDTJ00 |
|             | R097643 | CINSJ00 |
|             | R097636 | CRCQJ00 |
|             | R097606 | CPUTJ00 |
|             | R097605 | CPRRJ00 |
|             | R097604 | CINSJ00 |
|             | R097592 | CINSJ00 |
|             | R097573 | CPRAJ00 |
|             | R097571 | CIDBJ00 |
|             | R097520 | CUGRJ00 |
|             | R097515 | CINSJ00 |
|             | R097477 | CINSJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R097363 | CPRFJ00 |
|             | R097324 | CINSJ00 |
|             | R097277 | CRCQJ00 |
|             | R097270 | CPFUJ00 |
|             | R097255 | CPSAJ00 |
|             | R097230 | CIDBJ00 |
|             | R097227 | CIDBJ00 |
|             | R097204 | CIDBJ00 |
|             | R097176 | CINSJ00 |
|             | R086536 | CPDTJ00 |
|             | R086415 | CPDTJ00 |
|             | R085918 | CPDTJ00 |
|             | R084992 | CPDTJ00 |
|             | R083779 | CPDTJ00 |
|             | R079581 | CPDTJ00 |
|             | R079164 | CPDTJ00 |
| CAR1708     | R097206 | CINSJ00 |
|             | R097202 | CPFLJ00 |
|             | R097145 | CPDTJ00 |
|             | R097135 | CIDBJ00 |
|             | R097129 | CPDTJ00 |
|             | R097110 | CRCXJ00 |
|             | R097109 | CINSJ00 |
|             | R097099 | CINSJ00 |
|             | R097074 | CPDTJ00 |
|             | R097071 | CPDTJ00 |
|             | R097070 | CINSJ00 |
|             | R097024 | CINSJ00 |
|             | R096974 | CIDBJ00 |
|             | R096932 | CINSJ00 |
|             | R096928 | CPRRJ00 |
|             | R096927 | CPRRJ00 |
|             | R096923 | CPSAJ00 |
|             | R096922 | CPDTJ00 |
|             | R096867 | CIDBJ00 |
|             | R096863 | CPDTJ00 |
|             | R096850 | CRCQJ00 |
|             | R096849 | CINSJ00 |
| CAR1707     | R096844 | CPRAJ00 |
|             | R096786 | CRCQJ00 |
|             | R096780 | CPRAJ00 |
|             | R096778 | CPUTJ00 |
|             | R096777 | CPRRJ00 |
|             | R096775 | CINSJ00 |
|             | R096774 | CPDTJ00 |
|             | R096711 | CIDBJ00 |
|             | R096706 | CINSJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R096694 | CPDTJ00 |
|             | R096690 | CPUTJ00 |
|             | R096689 | CPRRJ00 |
|             | R096688 | CPFLJ00 |
|             | R096687 | CPDAJ00 |
|             | R096686 | CINSJ00 |
|             | R096655 | CPRFJ00 |
|             | R096642 | CINSJ00 |
|             | R096625 | CUGRJ00 |
|             | R096599 | CPFUJ00 |
|             | R096562 | CPPAJ00 |
|             | R096561 | CINSJ00 |
|             | R096545 | CPRRJ00 |
|             | R096544 | CINSJ00 |
|             | R096533 | CPFLJ00 |
|             | R096530 | CPDTJ00 |
|             | R096529 | CINSJ00 |
|             | R096528 | CRCUJ00 |
|             | R096442 | CINSJ00 |
|             | R096441 | CPDTJ00 |
|             | R096430 | CPRFJ00 |
|             | R096415 | CUGRJ00 |
|             | R096410 | CRCUJ00 |
|             | R096409 | CPSAJ00 |
|             | R096407 | CPSAJ00 |
|             | R096396 | CINSJ00 |
|             | R096369 | CINSJ00 |
|             | R096357 | CPFLJ00 |
|             | R096355 | CPFUJ00 |
|             | R095171 | CINSJ00 |
| CAR1706     | R096351 | CRCUJ00 |
|             | R096335 | CPXNJ00 |
|             | R096334 | CINSJ00 |
|             | R096333 | CIDBJ00 |
|             | R096309 | CPUTJ00 |
|             | R096308 | CPRRJ00 |
|             | R096307 | CINSJ00 |
|             | R096297 | CIDBJ00 |
|             | R096275 | CRCUJ00 |
|             | R096255 | CINSJ00 |
|             | R096251 | CPFLJ00 |
|             | R096241 | CPLAJ00 |
|             | R096240 | CINSJ00 |
|             | R096224 | CRCQJ00 |
|             | R096223 | CPDAJ00 |
|             | R096222 | CINSJ00 |
|             | R096170 | CPFUJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R096163 | CPDAJ00 |
|             | R096152 | CPFUJ00 |
|             | R096142 | CPUTJ00 |
|             | R096141 | CPFLJ00 |
|             | R096140 | CINSJ00 |
|             | R096098 | CINSJ00 |
|             | R096095 | CPDTJ00 |
|             | R096063 | CUGRJ00 |
|             | R096062 | CINSJ00 |
|             | R096042 | CPDTJ00 |
|             | R096038 | CPDTJ00 |
|             | R096037 | CINSJ00 |
|             | R096036 | CUGRJ00 |
|             | R096035 | CPUTJ00 |
|             | R096034 | CPRRJ00 |
|             | R096033 | CPFLJ00 |
|             | R096026 | CPUTJ00 |
|             | R096025 | CPFLJ00 |
|             | R096021 | CPFUJ00 |
|             | R096004 | CINSJ00 |
|             | R095961 | CINSJ00 |
|             | R095942 | CINSJ00 |
|             | R095921 | CPDTJ00 |
|             | R095920 | CINSJ00 |
|             | R095919 | CINSJ00 |
|             | R095912 | CINSJ00 |
|             | R095898 | CRCQJ00 |
|             | R095589 | CPDTJ00 |
|             | R095556 | CPRAJ00 |
|             | R095385 | CINSJ00 |
|             | R095365 | CPUTJ00 |
|             | R095364 | CPRRJ00 |
|             | R095363 | CINSJ00 |
|             | R095202 | CINSJ00 |
| CAR1705     | R095868 | CINSJ00 |
|             | R095708 | CPDTJ00 |
|             | R095707 | CINSJ00 |
|             | R095673 | CIDBJ00 |
|             | R095597 | CPDAJ00 |
|             | R095569 | CINSJ00 |
|             | R095568 | CINSJ00 |
|             | R095488 | CPFUJ00 |
|             | R095485 | CIDBJ00 |
|             | R095469 | CINSJ00 |
|             | R095446 | CUGRJ00 |
|             | R095445 | CPLAJ00 |
|             | R095444 | CINSJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R095440 | CINSJ00 |
|             | R095381 | CPPAJ00 |
|             | R095380 | CINSJ00 |
|             | R095378 | CPPAJ00 |
|             | R095376 | CPDTJ00 |
|             | R095375 | CPFUJ00 |
|             | R095346 | CIDBJ00 |
|             | R095336 | CRCQJ00 |
|             | R095334 | CPUTJ00 |
|             | R095333 | CPRRJ00 |
|             | R095299 | CINSJ00 |
|             | R095269 | CPDAJ00 |
|             | R095268 | CINSJ00 |
|             | R095231 | CPUTJ00 |
|             | R095149 | CPDTJ00 |
|             | R095049 | CINSJ00 |
|             | R095043 | CPUTJ00 |
|             | R095042 | CPFLJ00 |
| CAR1704     | R095335 | CPSAJ00 |
|             | R095308 | CINSJ00 |
|             | R095288 | CINSJ00 |
|             | R095274 | CINSJ00 |
|             | R095257 | CUGRJ00 |
|             | R095150 | CINSJ00 |
|             | R095124 | CUGRJ00 |
|             | R095123 | CPUTJ00 |
|             | R095121 | CINSJ00 |
|             | R095119 | CPPAJ00 |
|             | R095114 | CINSJ00 |
|             | R095048 | CPLAJ00 |
|             | R095047 | CINSJ00 |
|             | R095038 | CPDTJ00 |
|             | R095029 | CINSJ00 |
|             | R095013 | CINSJ00 |
|             | R095011 | CPPAJ00 |
|             | R095010 | CINSJ00 |
|             | R095007 | CINSJ00 |
|             | R095006 | CPSAJ00 |
|             | R095002 | CINSJ00 |
|             | R094995 | CPDAJ00 |
|             | R094994 | CINSJ00 |
|             | R094992 | CPUTJ00 |
|             | R094991 | CPRRJ00 |
|             | R094990 | CINSJ00 |
|             | R094982 | CPDTJ00 |
|             | R094980 | CINSJ00 |
|             | R094882 | CPDTJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R094845 | CPDTJ00 |
|             | R094749 | CUGRJ00 |
|             | R094748 | CRCXJ00 |
|             | R094747 | CRCUJ00 |
|             | R094746 | CRCSJ00 |
|             | R094745 | CRCQJ00 |
|             | R094744 | CRCMJ00 |
|             | R094743 | CPUTJ00 |
|             | R094742 | CPSAJ00 |
|             | R094741 | CPRRJ00 |
|             | R094738 | CPRFJ00 |
|             | R094737 | CPRAJ00 |
|             | R094736 | CPPAJ00 |
|             | R094735 | CPLAJ00 |
|             | R094734 | CPFUJ00 |
|             | R094733 | CPFLJ00 |
|             | R094732 | CPDTJ00 |
|             | R094731 | CPDAJ00 |
|             | R094730 | CPBAJ00 |
|             | R094729 | CINSJ00 |
|             | R094728 | CIDBJ00 |
|             | R094702 | CINSJ00 |
|             | R094701 | CINSJ00 |
| CAR1703     | R094594 | CPSAJ00 |
|             | R094593 | CPDTJ00 |
|             | R094510 | CPFLJ00 |
|             | R094478 | CPFUJ00 |
|             | R094358 | CPDTJ00 |
|             | R094271 | CINSJ00 |
|             | R094270 | CPUTJ00 |
|             | R094220 | CUGRJ00 |
|             | R094219 | CRCXJ00 |
|             | R094218 | CRCUJ00 |
|             | R094217 | CRCQJ00 |
|             | R094216 | CPXNJ00 |
|             | R094215 | CPUTJ00 |
|             | R094214 | CPSAJ00 |
|             | R094213 | CPRRJ00 |
|             | R094210 | CPRFJ00 |
|             | R094209 | CPRAJ00 |
|             | R094208 | CPPAJ00 |
|             | R094207 | CPLAJ00 |
|             | R094206 | CPFUJ00 |
|             | R094205 | CPDTJ00 |
|             | R094204 | CPDAJ00 |
|             | R094203 | CPBAJ00 |
|             | R094202 | CINSJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R094201 | CIDBJ00 |
|             | R094199 | CAHOJ00 |
| CAR1702     | R094030 | CPDTJ00 |
|             | R093954 | CINSJ00 |
|             | R093690 | CPRRJ00 |
|             | R086370 | CTGRJ00 |
|             | R085793 | CTGRJ00 |
|             | R084244 | CTGRJ00 |
|             | R083901 | CTGRJ00 |
|             | R081563 | CTGRJ00 |
|             | R081037 | CTGRJ00 |
|             | R078772 | CTGRJ00 |
|             | R078677 | CTGRJ00 |
| CAR1701     | R093440 | CIDBJ00 |
|             | R093376 | CPSAJ00 |
|             | R093375 | CPDTJ00 |
| CAR1612     | R093203 | CPDAJ00 |
|             | R093030 | CPFUJ00 |
|             | R093019 | CPLAJ00 |
|             | R093018 | CINSJ00 |
|             | R092972 | CINSJ00 |
|             | R092952 | CUGRJ00 |
|             | R092951 | CTGRJ00 |
|             | R092950 | CRCXJ00 |
|             | R092949 | CRCUJ00 |
|             | R092948 | CRCSJ00 |
|             | R092947 | CRCQJ00 |
|             | R092946 | CRCMJ00 |
|             | R092945 | CPUTJ00 |
|             | R092944 | CPSAJ00 |
|             | R092943 | CPRRJ00 |
|             | R092939 | CPRFJ00 |
|             | R092938 | CPRAJ00 |
|             | R092937 | CPPAJ00 |
|             | R092936 | CPLAJ00 |
|             | R092935 | CPFUJ00 |
|             | R092934 | CPFLJ00 |
|             | R092933 | CPDTJ00 |
|             | R092932 | CPDAJ00 |
|             | R092931 | CINSJ00 |
|             | R092930 | CIDBJ00 |
|             | R092873 | CINSJ00 |
|             | R092872 | CINSJ00 |
|             | R092863 | CPFUJ00 |
|             | R092622 | CIDBJ00 |
|             | R092613 | CPFUJ00 |
|             | R092543 | CPFUJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R092534 | CINSJ00 |
|             | R092517 | CUGRJ00 |
|             | R092389 | CPLAJ00 |
|             | R092364 | CUGRJ00 |
|             | R092363 | CTGRJ00 |
|             | R092362 | CRCXJ00 |
|             | R092361 | CRCUJ00 |
|             | R092360 | CRCQJ00 |
|             | R092359 | CRCMJ00 |
|             | R092358 | CPUTJ00 |
|             | R092357 | CPSAJ00 |
|             | R092356 | CPRRJ00 |
|             | R092355 | CPPAJ00 |
|             | R092354 | CPLAJ00 |
|             | R092353 | CPFUJ00 |
|             | R092352 | CPFLJ00 |
|             | R092351 | CPDTJ00 |
|             | R092350 | CPDAJ00 |
|             | R092347 | CINSJ00 |
|             | R092346 | CIDBJ00 |
|             | R092344 | CAHOJ00 |
|             | R092190 | CPDTJ00 |
|             | R092189 | CINSJ00 |
|             | R092164 | CIDBJ00 |
|             | R092082 | CUGRJ00 |
|             | R091787 | CUGRJ00 |
|             | R091786 | CTGRJ00 |
|             | R091785 | CRCXJ00 |
|             | R091784 | CRCUJ00 |
|             | R091783 | CRCQJ00 |
|             | R091782 | CPXNJ00 |
|             | R091781 | CPUTJ00 |
|             | R091780 | CPRRJ00 |
|             | R091777 | CPRFJ00 |
|             | R091776 | CPPAJ00 |
|             | R091775 | CPFUJ00 |
|             | R091774 | CPFLJ00 |
|             | R091773 | CPDTJ00 |
|             | R091772 | CPDAJ00 |
|             | R091771 | CINSJ00 |
|             | R091770 | CIDBJ00 |
|             | R091728 | CPFUJ00 |
|             | R091623 | CPDTJ00 |
|             | R091573 | CPFUJ00 |
|             | R091442 | CIDBJ00 |
|             | R091332 | CPDTJ00 |
|             | R091322 | CUGRJ00 |



| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R091321 | CRCXJ00 |
|             | R091320 | CRCQJ00 |
|             | R091319 | CRCMJ00 |
|             | R091318 | CPUTJ00 |
|             | R091317 | CPRRJ00 |
|             | R091316 | CPRAJ00 |
|             | R091315 | CPPAJ00 |
|             | R091314 | CPLAJ00 |
|             | R091313 | CPFUJ00 |
|             | R091312 | CPFLJ00 |
|             | R091311 | CPDTJ00 |
|             | R091310 | CPDAJ00 |
|             | R091309 | CINSJ00 |
|             | R091308 | CIDBJ00 |
|             | R091241 | CPDTJ00 |
|             | R091224 | CPRRJ00 |
|             | R091193 | CPDTJ00 |
|             | R091192 | CINSJ00 |
|             | R091122 | CPLAJ00 |
|             | R091103 | CRCXJ00 |
|             | R091102 | CRCUJ00 |
|             | R091101 | CPLAJ00 |
|             | R091100 | CPFUJ00 |
|             | R091096 | CINSJ00 |
|             | R091068 | CRCQJ00 |
|             | R091037 | CUGRJ00 |
|             | R091036 | CTGRJ00 |
|             | R091035 | CPXNJ00 |
|             | R091034 | CPUTJ00 |
|             | R091033 | CPSAJ00 |
|             | R091032 | CPRRJ00 |
|             | R091031 | CPRAJ00 |
|             | R091030 | CPPAJ00 |
|             | R091029 | CPLAJ00 |
|             | R091028 | CPFUJ00 |
|             | R091027 | CPFLJ00 |
|             | R091026 | CPDTJ00 |
|             | R091025 | CPDAJ00 |
|             | R091024 | CPBAJ00 |
|             | R091023 | CINSJ00 |
|             | R091022 | CIDBJ00 |
|             | R091012 | CINSJ00 |
|             | R090989 | CPLAJ00 |
|             | R090858 | CINSJ00 |
|             | R090815 | CRCUJ00 |
|             | R090737 | CRCUJ00 |
|             | R090706 | CINSJ00 |

CA DB2 Tools 19.0  
All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R090683 | CINSJ00 |
|             | R090669 | CINSJ00 |
|             | R090667 | CINSJ00 |
|             | R090666 | CINSJ00 |
|             | R090660 | CTGRJ00 |
|             | R090635 | CPSAJ00 |
|             | R090614 | CRCXJ00 |
|             | R090596 | CINSJ00 |
|             | R090576 | CIDBJ00 |
|             | R090564 | CRCQJ00 |
|             | R090563 | CINSJ00 |
|             | R090541 | CINSJ00 |
|             | R090510 | CPRAJ00 |
|             | R090498 | CPPAJ00 |
|             | R090497 | CINSJ00 |
|             | R090492 | CINSJ00 |
|             | R090476 | CRCQJ00 |
|             | R090442 | CPDTJ00 |
|             | R090433 | CPDTJ00 |
|             | R090387 | CIDBJ00 |
|             | R090382 | CINSJ00 |
|             | R090333 | CPDTJ00 |
|             | R090327 | CINSJ00 |
|             | R090298 | CINSJ00 |
|             | R090295 | CINSJ00 |
|             | R090176 | CUGRJ00 |
|             | R090175 | CPUTJ00 |
|             | R090164 | CRCMJ00 |
|             | R090163 | CINSJ00 |
|             | R090140 | CPDTJ00 |
|             | R090139 | CPRRJ00 |
|             | R090130 | CPDTJ00 |
|             | R090089 | CRCMJ00 |
|             | R090088 | CINSJ00 |
|             | R090023 | CPDTJ00 |
|             | R090016 | CPDTJ00 |
|             | R089942 | CINSJ00 |
|             | R089885 | CUGRJ00 |
|             | R089884 | CRCUJ00 |
|             | R089883 | CPUTJ00 |
|             | R089882 | CPPAJ00 |
|             | R089881 | CPLAJ00 |
|             | R089880 | CPFUJ00 |
|             | R089879 | CINSJ00 |
|             | R089825 | CINSJ00 |
|             | R089817 | CINSJ00 |
|             | R089802 | CPDAJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R089801 | CINSJ00 |
|             | R089766 | CRCUJ00 |
|             | R089761 | CRCQJ00 |
|             | R089743 | CRCXJ00 |
|             | R089738 | CINSJ00 |
|             | R089699 | CPLAJ00 |
|             | R089693 | CRCUJ00 |
|             | R089692 | CINSJ00 |
|             | R089657 | CIDBJ00 |
|             | R089647 | CUGRJ00 |
|             | R089646 | CPUTJ00 |
|             | R089645 | CPRRJ00 |
|             | R089644 | CPRAJ00 |
|             | R089643 | CPLAJ00 |
|             | R089642 | CPFUJ00 |
|             | R089641 | CPFLJ00 |
|             | R089640 | CPDAJ00 |
|             | R089639 | CINSJ00 |
|             | R089633 | CPRAJ00 |
|             | R089606 | CINSJ00 |
|             | R089589 | CIDBJ00 |
|             | R089538 | CRCXJ00 |
|             | R089537 | CPLAJ00 |
|             | R089536 | CINSJ00 |
|             | R089496 | CPRFJ00 |
|             | R089463 | CPDTJ00 |
|             | R089446 | CPFUJ00 |
|             | R089441 | CPUTJ00 |
|             | R089440 | CPRRJ00 |
|             | R089389 | CPRFJ00 |
|             | R089317 | CPSAJ00 |
|             | R089316 | CINSJ00 |
|             | R089299 | CRCXJ00 |
|             | R089298 | CPLAJ00 |
|             | R089273 | CPDTJ00 |
|             | R089264 | CPPAJ00 |
|             | R089230 | CPDTJ00 |
|             | R089228 | CPPAJ00 |
|             | R089227 | CINSJ00 |
|             | R089174 | CPDTJ00 |
|             | R089137 | CPUTJ00 |
|             | R089136 | CPRRJ00 |
|             | R089129 | CPFUJ00 |
|             | R089118 | CINSJ00 |
|             | R089114 | CINSJ00 |
|             | R089112 | CIDBJ00 |
|             | R089096 | CPSAJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R089073 | CPRFJ00 |
|             | R089056 | CUGRJ00 |
|             | R089055 | CPUTJ00 |
|             | R089054 | CPRAJ00 |
|             | R089038 | CIDBJ00 |
|             | R089024 | CPPAJ00 |
|             | R089023 | CPBAJ00 |
|             | R089022 | CINSJ00 |
|             | R089001 | CPFLJ00 |
|             | R088935 | CINSJ00 |
|             | R088915 | CRCMJ00 |
|             | R088914 | CINSJ00 |
|             | R088899 | CINSJ00 |
|             | R088820 | CINSJ00 |
|             | R088771 | CUGRJ00 |
|             | R088752 | CPSAJ00 |
|             | R088751 | CPDTJ00 |
|             | R088750 | CINSJ00 |
|             | R088741 | CPDTJ00 |
|             | R088740 | CINSJ00 |
|             | R088735 | CRCQJ00 |
|             | R088706 | CINSJ00 |
|             | R088697 | CRCXJ00 |
|             | R088696 | CRCUJ00 |
|             | R088695 | CINSJ00 |
|             | R088682 | CPRFJ00 |
|             | R088660 | CUGRJ00 |
|             | R088659 | CPUTJ00 |
|             | R088658 | CPRRJ00 |
|             | R088657 | CPFUJ00 |
|             | R088656 | CPFLJ00 |
|             | R088655 | CINSJ00 |
|             | R088642 | CPLAJ00 |
|             | R088639 | CRCQJ00 |
|             | R088626 | CINSJ00 |
|             | R088607 | CPDTJ00 |
|             | R088598 | CIDBJ00 |
|             | R088563 | CPUTJ00 |
|             | R088562 | CPRRJ00 |
|             | R088561 | CPFUJ00 |
|             | R088560 | CPFLJ00 |
|             | R088553 | CPPAJ00 |
|             | R088552 | CINSJ00 |
|             | R088529 | CPUTJ00 |
|             | R088528 | CPRRJ00 |
|             | R088502 | CRCXJ00 |
|             | R088501 | CRCUJ00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R088500 | CRCMJ00 |
|             | R088499 | CINSJ00 |
|             | R088472 | CPLAJ00 |
|             | R088413 | CINSJ00 |
|             | R088357 | CPDTJ00 |
|             | R088353 | CIDBJ00 |
|             | R088345 | CUGRJ00 |
|             | R088344 | CPUTJ00 |
|             | R088343 | CPRRJ00 |
|             | R088342 | CINSJ00 |
|             | R088299 | CINSJ00 |
|             | R088297 | CPUTJ00 |
|             | R088296 | CPFUJ00 |
|             | R088295 | CINSJ00 |
|             | R088286 | CRCUJ00 |
|             | R088274 | CPDAJ00 |
|             | R088249 | CRCQJ00 |
|             | R088246 | CPLAJ00 |
|             | R088223 | CINSJ00 |
|             | R088163 | CIDBJ00 |
|             | R088152 | CPDAJ00 |
|             | R088149 | CPDAJ00 |
|             | R088142 | CPDAJ00 |
|             | R088100 | CIDBJ00 |
|             | R088070 | CPDTJ00 |
|             | R088041 | CPDTJ00 |
|             | R087991 | CINSJ00 |
|             | R087976 | CIDBJ00 |
|             | R087957 | CPDTJ00 |
|             | R087916 | CINSJ00 |
|             | R087908 | CPSAJ00 |
|             | R087895 | CPRFJ00 |
|             | R087884 | CPRRJ00 |
|             | R087864 | CUGRJ00 |
|             | R087843 | CPRAJ00 |
|             | R087824 | CINSJ00 |
|             | R087817 | CINSJ00 |
|             | R087798 | CINSJ00 |
|             | R087797 | CINSJ00 |
|             | R087796 | CINSJ00 |
|             | R087788 | CIDBJ00 |
|             | R087639 | CIDBJ00 |
|             | R087636 | CIDBJ00 |
|             | R087633 | CPFLJ00 |
|             | R087632 | CPFLJ00 |
|             | R087629 | CINSJ00 |
|             | R087582 | CINSJ00 |

| CA RS<br>Level | Service | FMID    |
|----------------|---------|---------|
|                | R087539 | CIDBJ00 |
|                | R087535 | CUGRJ00 |
|                | R087534 | CPUTJ00 |
|                | R087533 | CPRAJ00 |
|                | R087532 | CINSJ00 |
|                | R087501 | CPSAJ00 |
|                | R087383 | CUGRJ00 |
|                | R087382 | CRCXJ00 |
|                | R087381 | CRCSJ00 |
|                | R087380 | CRCQJ00 |
|                | R087379 | CRCMJ00 |
|                | R087378 | CPXNJ00 |
|                | R087377 | CPUTJ00 |
|                | R087376 | CPSAJ00 |
|                | R087375 | CPRFJ00 |
|                | R087374 | CPRAJ00 |
|                | R087373 | CPPAJ00 |
|                | R087372 | CPLAJ00 |
|                | R087371 | CPDTJ00 |
|                | R087370 | CPDAJ00 |
|                | R087369 | CPBAJ00 |
|                | R087368 | CINSJ00 |
|                | R087367 | CIDBJ00 |
|                | R086515 | CPPAJ00 |
|                | R086514 | CINSJ00 |
|                | R086425 | CPPAJ00 |
|                | R086424 | CINSJ00 |