

Datacom DB Core 15.1  
CA RS 2302 Service List

1

| Service                                            | Description                                                  | Type      |
|----------------------------------------------------|--------------------------------------------------------------|-----------|
| LU07880                                            | DB00141I EXTEND OF IXX SHOWS 'EXTE' AND WRONG IXXAREA= VALUE | PTF       |
| LU08004                                            | MUF DIAGOPTION A HEADING ERRORS FIXED                        | PTF       |
| LU08300                                            | SLOW EXECUTION AFTER LU01216                                 | ** PRP ** |
| LU08669                                            | IMPROVED SCRT REPORTING FOR DATACOM PRESSPACK                | PTF       |
| LU08781                                            | SQLCODE -999 WITH INSERT VALUES WITHOUT DEFAULT/NULLABLE     | PTF       |
| LU08821                                            | DDOL END COMMAND FAILS AFTER LU07676                         | PTF       |
| The CA RS 2302 service count for this release is 6 |                                                              |           |

Datacom DB Core  
CA RS 2302 Service List for CAADF10

2

| FMID                                            | Service | Description                          | Type |
|-------------------------------------------------|---------|--------------------------------------|------|
| CAADF10                                         | LU08821 | DDOL END COMMAND FAILS AFTER LU07676 | PTF  |
| The CA RS 2302 service count for this FMID is 1 |         |                                      |      |

Datacom DB Core  
CA RS 2302 Service List for CABDF10

3

| FMID                                            | Service | Description                                                  | Type |
|-------------------------------------------------|---------|--------------------------------------------------------------|------|
| CABDF10                                         | LU07880 | DB00141I EXTEND OF IXX SHOWS 'EXTE' AND WRONG IXXAREA= VALUE | PTF  |
|                                                 | LU08669 | IMPROVED SCRT REPORTING FOR DATACOM PRESSPACK                | PTF  |
| The CA RS 2302 service count for this FMID is 2 |         |                                                              |      |

Datacom DB Core  
CA RS 2302 Service List for CAVEF10

| FMID                                            | Service | Description                                              | Type      |
|-------------------------------------------------|---------|----------------------------------------------------------|-----------|
| CAVEF10                                         | LU08004 | MUF DIAGOPTION A HEADING ERRORS FIXED                    | PTF       |
|                                                 | LU08300 | SLOW EXECUTION AFTER LU01216                             | ** PRP ** |
|                                                 | LU08781 | SQLCODE -999 WITH INSERT VALUES WITHOUT DEFAULT/NULLABLE | PTF       |
| The CA RS 2302 service count for this FMID is 3 |         |                                                          |           |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LU07880 | <p>LU07880 M.C.S. ENTRIES = ++PTF (LU07880) REWORK(2023006)</p> <p>DB00141I EXTEND OF IXX SHOWS 'EXTE' AND WRONG IXXAREA= VALUE</p> <p>PROBLEM DESCRIPTION:</p> <p>Message DB00141I contains a truncated function name 'EXTE' instead of 'EXTEND' for a DBUTLTY EXTEND of an IXX. For example:</p> <p>DB00141I - DBUTLTY START EXTE dbid IXX .....</p> <p>If the DBUTLTY EXTEND specifies IXXAREA for the name of a Multi Dataset Index (MDI) the message also incorrectly contains "IXX" instead of the Inn MDI name, for example I01.</p> <p>This message is issued in the Datacom/DB Multi-User Facility (MUF) LOG, not in the DBUTLTY LOG.</p> <p>SYMPTOMS:</p> <p>The MUF LOG contains an incorrect value of 'EXTE' instead of 'EXTEND' in DB00141I messages that involve extending an IXX. For an MDI specified via IXXAREA in the EXTEND parameters, the message also does not display the correct MDI name, for example I01. "IXX" is displayed instead.</p> <p>IMPACT:</p> <p>The MUF LOG does not contain the full 'EXTEND' word in message DB00141I when an EXTEND of an IXX is performed. EXTEND of an IXXAREA also does not report the correct MDI name. The error is only cosmetic without any impact on the functionality of the EXTEND.</p> <p>CIRCUMVENTION:</p> <p>NONE.</p> <p>PRODUCT(S) AFFECTED:</p> <p>DATAACOM/DB <span style="float: right;">Release 15.1</span></p> <p>Related Problem:</p> <p>DB 18707</p> <p>(C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>R01104-DCM151</p> <p>DESC(DB00141I EXTEND OF IXX SHOWS 'EXTE' AND WRONG IXXAREA= VALUE).<br/>++VER (Z038)<br/>FMID (CABDF10)<br/>PRE ( LU01370 LU01940 LU02536 LU03981 LU04668 LU05611 LU05861<br/>R088530 R090903 R091404 R091648 R092259 R092858 R094095<br/>R096440 R098604 S003827 S003941 S006692 S007233 S010748<br/>S011403 S011906 S013594 S014296 S014998 )<br/>SUP ( LT02812 LT02864 LT07880 LU02864 R093092 S001888 S010416<br/>S012636 S013189 S013991 ST01888 ST10416 ST11396 ST12636<br/>ST13189 ST13991 TR93092 )</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LU08004 | <p>LU08004 M.C.S. ENTRIES = ++PTF (LU08004) REWORK(2023003)</p> <p>MUF DIAGOPTION A HEADING ERRORS FIXED</p> <p>PROBLEM DESCRIPTION:</p> <p>Most customers are probably not aware of the MUF parameter DIAGOPTION A. It produces the SQL Optimization Execution-Time Report for all queries that exceed the specified number of rows read and rejected. This scan-and-reject activity is called index or data scanning, and is the primary source of query inefficiency. So this provides a way to log inefficient queries. In some cases the timestamp in the heading above the report by table of the number of rows read and accepted (rejected being the difference) would be wrong, and sometimes the entire heading would not be printed. Also, an abend is prevented in the rare case of tracing a statement using LOB columns.</p> <p>SYMPTOMS:</p> <p>The entire heading is missing, or the timestamp is wrong. Also a MUF abend in the rare tracing and LOB condition.</p> <p>IMPACT:</p> <p>This missing information makes it difficult to relate the statistics back to to query.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>DATAKOM SQL Release 15.1</p> <p>Related Problem:</p> <p>SQL 18828</p> <p>(C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>R01108-DCM151</p> <p>DESC(MUF DIAGOPTION A HEADING ERRORS FIXED).</p> <p>++VER (Z038)</p> <p>FMID (CAVEF10)</p> <p>PRE ( LU00985 LU01216 LU02698 LU02878 LU02879 LU03281 LU03984 LU05024 LU05231 LU06158 LU07060 LU07179 R090216 R090826 R095978 S000890 S001886 S004034 S004197 S005935 S007468 S007544 S008017 S008336 S011326 S011629 S012557 S014297 S014825 S015827 S015889 )</p> <p>SUP ( AC92212 AR90826 AS03683 AS08017 AS14825 DC92212 LT00056 LT00105 LT01153 LT06895 LT07062 LT07502 LT08004 LU00056 LU00105 LU01153 LU07502 R092009 R093677 R095609 R099972 S003683 S004357 S005300 S005352 S006231 S006626 S008889 S014369 ST03683 ST04357 ST05300 ST05352 ST05422 ST06231 ST06626 ST08889 ST10139 ST14369 TR92009 TR93677 TR95609 TR99972 )</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| LU08300 | <p>LU08300 M.C.S. ENTRIES = ++PTF (LU08300) REWORK(2023012)</p> <p>SLOW EXECUTION AFTER LU01216</p> <p>PROBLEM DESCRIPTION:</p> <p>This solution fixes the following problems after PTF LU01216 is applied and the traversal index for the inner table of a join is not restricted on its first column. In this case, before LU01216 a sortmerge join was used, and after applying LU01216 normally a hash join is used. But in two cases a nested-loop join is used, which is very slow:</p> <ol style="list-style-type: none"> <li>1. When the cardinality of this first unrestricted column is low, then Skip-sequential processing makes this key almost as efficient as if the column is restricted. However, if the table has predicates using OR, then Skip-sequential processing is not used. The SQL Optimizer did not take this into account and would use the nested loop join, which is very slow in this case.</li> <li>2. When the FROM clause uses comma-separated table syntax, sometimes a hash join would not be used. This fix uses a sortmerge join when HASH_MUF_MEMLIMIT is zero, or a hash join if it is not zero.</li> </ol> <p>SYMPTOMS:</p> <p>Queries with no good key on the inner table of a join run much slower.</p> <p>IMPACT:</p> <p>Performance can be unacceptably slow.</p> <p>CIRCUMVENTION:</p> <p>Turn hashing on and force a hash join with this predicate in the ON clause:<br/>DATACOM_OPTIMIZATION = 'USE HASH JOIN'.</p> <p>PRODUCT(S) AFFECTED:</p> <p>DATACOM SQL <span style="float: right;">Release 15.1</span></p> <p>Related Problem:</p> <p>SQL 19000</p> <p>(C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved<br/>R01112-DCM151</p> <p>DESC(SLOW EXECUTION AFTER LU01216).</p> <p>++VER (Z038)</p> <p>FMID (CAVEF10)</p> <p>PRE ( LU00985 LU01216 LU02878 LU03281 LU03984 LU05024 LU06158<br/>LU07060 LU07380 LU07823 R090216 R090826 S001886 S004034<br/>S006402 S007468 S007544 S009437 S011326 S012861 S013992 )<br/>SUP ( AL01216 BR90826 CR90826 HC92212 LT05343 LT08300 LU05343<br/>R089520 R098521 S001350 S004889 S004969 S006387 ST01350<br/>ST04889 ST04969 ST05998 ST06383 ST06387 TR89520 TR98438<br/>TR98521 )</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| LU08669 | <p>LU08669 M.C.S. ENTRIES = ++PTF (LU08669) REWORK(2023020)</p> <p>IMPROVED SCRT REPORTING FOR DATACOM PRESSPACK</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>This product enhancement delivers updated Datacom/DB code which refines when Datacom Presspack appears in the SCRT reports. Prior to this change, Presspack appeared in the SCRT report as soon as the Datacom/DB Multi-User Facility (MUF) became enabled, if PRESSPACK was specified on the "DATACOM" MUF Startup Option. Datacom Presspack will now appear on this report based on actual usage, when a table is opened which uses Presspack compression. This provides more clarity in the SCRT report.</p> <p>PRODUCT(S) AFFECTED:</p> <p>DATACOM/DB <span style="float: right;">Release 15.1</span></p> <p>Related Problem:</p> <p>DB 19254</p> <p>(C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved<br/>R01125-DCM151</p> <p>DESC(IMPROVED SCRT REPORTING FOR DATACOM PRESSPACK).</p> <p>++VER (Z038)</p> <p>FMID (CABDF10)</p> <p>PRE ( LU00071 LU00290 LU01266 LU01916 LU02338 LU02807 LU03183<br/>LU03700 LU03981 LU04668 LU04999 LU05844 LU06243 LU06892<br/>LU07828 LU07865 LU08379 R088469 R088530 R090276 R090486<br/>R090903 R091015 R091404 R091632 R092259 R092858 R094095<br/>R094280 R094783 R095548 R095667 R095915 R096053 R096260<br/>R096852 R097082 R097626 R097818 R098059 R098348 R098683<br/>R098926 R099532 R099738 R099997 S001215 S001597 S003799<br/>S004298 S004565 S005129 S005738 S005964 S006133 S006365<br/>S006692 S006748 S007233 S007835 S007900 S008500 S008622<br/>S009683 S010082 S010109 S010748 S011479 S011951 S011975<br/>S013162 S013716 S014079 S014507 S015187 S015871 )</p> <p>SUP ( AL00071 AL04999 AS01215 AS06692 AS08152 BC90081 LT00061<br/>LT00172 LT01374 LT01677 LT02134 LT02355 LT02910 LT04772<br/>LT05105 LT05174 LT05261 LT05394 LT06026 LT06592 LT06889<br/>LT07058 LT07364 LT07553 LT08669 LU00061 LU00172 LU01374<br/>LU01677 LU02134 LU02910 LU04772 LU05105 LU05174 LU05261<br/>LU05394 LU06026 LU06592 LU06889 LU07058 LU07364 LU07553<br/>OC90081 R091630 R093450 R096312 R096806 S001230 S003866<br/>S004783 S005492 S005617 S006519 S006676 S007113 S007202<br/>S008152 S008488 S008697 S008775 S009270 S010373 S014115<br/>S014169 S016006 ST01230 ST03866 ST04783 ST05492 ST05617<br/>ST06519 ST06676 ST07113 ST07202 ST08152 ST08488 ST08697<br/>ST08775 ST09270 ST10373 ST14115 ST14169 ST16006 TR91630<br/>TR93450 TR96312 TR96806 YC90081 )</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| LU08781 | <p>LU08781 M.C.S. ENTRIES = ++PTF (LU08781) REWORK(2023020)</p> <p>SQLCODE -999 WITH INSERT VALUES WITHOUT DEFAULT/NULLABLE</p> <p>PROBLEM DESCRIPTION:</p> <p>INSERT with the VALUES clause must supply a value for all columns unless there is a default value defined for the column, or it is nullable. For older Datadictionaries it has been discovered that no valid default type exists, and so SQLCODE -999 (DFLTVALS=0) is issued when this condition exists. This solution assumes a missing default type to imply the column must be nullable, which will issue SQLCODE -86 in this case.</p> <p>SYMPTOMS:</p> <p>INSERT VALUES with no default on not-nullable column is rejected with an SQLCODE that is incorrect.</p> <p>IMPACT:</p> <p>It is not easy to understand why the INSERT is rejected with the wrong SQLCODE.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>DATAKOM SQL <span style="float: right;">Release 15.1</span></p> <p>Related Problem:</p> <p>SQL 19434</p> <p>(C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>R01128-DCM151</p> <p>DESC(SQLCODE -999 WITH INSERT VALUES WITHOUT DEFAULT/NULLABLE).</p> <p>++VER (Z038)</p> <p>FMID (CAVEF10)</p> <p>PRE ( LU03984 )</p> <p>SUP ( LT08781 )</p> |

| Service | Details                                                                              |                     |
|---------|--------------------------------------------------------------------------------------|---------------------|
| LU08821 | LU08821 M.C.S. ENTRIES = ++PTF (LU08821) REWORK(2023020)                             |                     |
|         | DDOL END COMMAND FAILS AFTER LU07676                                                 |                     |
|         | PROBLEM DESCRIPTION:                                                                 |                     |
|         | After LU07676, DDOL END command fails with ICSCERRP02E - INTERR:                     |                     |
|         | Internal system error.                                                               |                     |
|         | SYMPTOMS:                                                                            |                     |
|         | Error from DDOLCMPP when processing 'END' command, or when entering DDOL from IDEAL. |                     |
|         | IMPACT:                                                                              |                     |
|         | Inability to use 'END' command.                                                      |                     |
|         | CIRCUMVENTION:                                                                       |                     |
|         | None.                                                                                |                     |
|         | PRODUCT(S) AFFECTED:                                                                 |                     |
|         | DATAACOM DATADICIONARY                                                               | Release 15.1        |
|         | Related Problem:                                                                     |                     |
|         | DD 19477                                                                             |                     |
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|         | R01130-DCM151                                                                        |                     |
|         | DESC(DDOL END COMMAND FAILS AFTER LU07676).                                          |                     |
|         | ++VER (Z038)                                                                         |                     |
|         | FMID (CAADF10)                                                                       |                     |
|         | PRE ( LU03979 LU07676 S014493 )                                                      |                     |
|         | SUP ( LT08821 )                                                                      |                     |
|         | MCS LU07880                                                                          | STARTS ON PAGE 0002 |
|         | MCS LU08004                                                                          | STARTS ON PAGE 0003 |
|         | MCS LU08300                                                                          | STARTS ON PAGE 0004 |
|         | MCS LU08669                                                                          | STARTS ON PAGE 0005 |
|         | MCS LU08781                                                                          | STARTS ON PAGE 0007 |
|         | MCS LU08821                                                                          | STARTS ON PAGE 0008 |

Datacom DB Core 15.1  
CA RS 2302 Product/Component Listing

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| Product Family                                               | Product                      | Release  |
|--------------------------------------------------------------|------------------------------|----------|
| Database Management                                          | CA DATACOM DATADictionary    | 15.01.00 |
|                                                              | CA DATACOM FAST RESTORE      | 15.01.00 |
|                                                              | CA DATACOM METACOBOL SUPPORT | 15.01.00 |
|                                                              | CA DATACOM PRESSPACK         | 15.01.00 |
|                                                              | CA DATACOM SQL               | 15.01.00 |
|                                                              | CA DATACOM/DB                | 15.01.00 |
|                                                              | CA DATAQUERY FOR CA DATACOM  | 15.01.00 |
| The CA RS 2302 Product/Component Count for this release is 7 |                              |          |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
| CAR2302     | LU08821 | CAADF10 |
|             | LU08781 | CAVEF10 |
|             | LU08669 | CABDF10 |
|             | LU08300 | CAVEF10 |
|             | LU08004 | CAVEF10 |
|             | LU07880 | CABDF10 |
| CAR2301     | LU08605 | CABDF10 |
|             | LU08468 | CABDF10 |
|             | LU08413 | CAVEF10 |
|             | LU08394 | CABDF10 |
|             | LU08379 | CABDF10 |
|             | LU08365 | CABDF10 |
|             | LU08354 | CABDF10 |
|             | LU07733 | CAVEF10 |
|             | LU07309 | CABDF10 |
| CAR2212     | LU08219 | CABDF10 |
|             | LU07941 | CABDF10 |
|             | LU07896 | CABDF10 |
|             | LU07865 | CABDF10 |
|             | LU07828 | CABDF10 |
|             | LU07757 | CABDF10 |
|             | LU06941 | CABDF10 |
| CAR2211     | LU07823 | CAVEF10 |
|             | LU07812 | CAVEF10 |
|             | LU07738 | CABDF10 |
|             | LU07736 | CAVEF10 |
|             | LU07677 | CABDF10 |
|             | LU07676 | CAADF10 |
|             | LU07566 | CAVEF10 |
|             | LU07557 | CABDF10 |
|             | LU07503 | CABDF10 |
|             | LU07502 | CAVEF10 |
|             | LU07399 | CABDF10 |
|             | LU07380 | CAVEF10 |
|             | LU07312 | CABDF10 |
|             | LU07230 | CAVEF10 |
|             | LU07182 | CABDF10 |
|             | LU07115 | CABDF10 |
|             | LU07060 | CAVEF10 |
|             | LU06286 | CABDF10 |
| CAR2210     | LU07553 | CABDF10 |
|             | LU07364 | CABDF10 |
|             | LU07339 | CABDF10 |
|             | LU07336 | CABDF10 |
|             | LU07285 | CAVEF10 |
|             | LU07179 | CAVEF10 |
|             | LU07172 | CABDF10 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | LU07156 | CAVEF10 |
|             | LU07007 | CABDF10 |
|             | LU06911 | CAVEF10 |
|             | LU05939 | CABDF10 |
| CAR2209     | LU07058 | CABDF10 |
|             | LU06923 | CAVEF10 |
|             | LU06896 | CABDF10 |
|             | LU06892 | CABDF10 |
|             | LU06889 | CABDF10 |
|             | LU06820 | CABDF10 |
|             | LU06772 | CAVEF10 |
|             | LU06730 | CABDF10 |
|             | LU06592 | CABDF10 |
|             | LU06500 | CABDF10 |
|             | LU06243 | CABDF10 |
|             | LU06158 | CAVEF10 |
| CAR2208     | LU06466 | CAADF10 |
|             | LU06437 | CABDF10 |
|             | LU06411 | CABDF10 |
|             | LU06329 | CAVEF10 |
|             | LU06295 | CABDF10 |
|             | LU05938 | CABDF10 |
|             | LU05861 | CABDF10 |
|             | LU05844 | CABDF10 |
| CAR2207     | LU06182 | CABDF10 |
|             | LU06105 | CABDF10 |
|             | LU06017 | CAVEF10 |
|             | LU05950 | CAVEF10 |
|             | LU05859 | CABDF10 |
|             | LU05782 | CABDF10 |
|             | LU05727 | CAADF10 |
| CAR2206     | LU06026 | CABDF10 |
|             | LU05899 | CABDF10 |
|             | LU05809 | CABDF10 |
|             | LU05789 | CAADF10 |
|             | LU05712 | CABDF10 |
|             | LU05611 | CABDF10 |
|             | LU05569 | CABDF10 |
|             | LU05412 | CAVEF10 |
|             | LU05394 | CABDF10 |
|             | LU05391 | CAVEF10 |
|             | LU05343 | CAVEF10 |
|             | LU04999 | CABDF10 |
| CAR2205     | LU05487 | CAADF10 |
|             | LU05469 | CAADF10 |
|             | LU05374 | CAADF10 |
|             | LU05261 | CABDF10 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | LU05231 | CAVEF10 |
|             | LU05172 | CABDF11 |
|             | LU05105 | CABDF10 |
|             | LU05049 | CAADF10 |
|             | LU04745 | CABDF10 |
| CAR2204     | LU05180 | CABDF10 |
|             | LU05174 | CABDF10 |
|             | LU05134 | CABDF10 |
|             | LU05024 | CAVEF10 |
|             | LU04994 | CABDF10 |
|             | LU04979 | CABDF10 |
|             | LU04920 | CADQF10 |
|             | LU04872 | CABDF10 |
|             | LU04772 | CABDF10 |
|             | LU04558 | CABDF10 |
|             | LU04537 | CADQF10 |
|             | LU04449 | CAVEF10 |
|             | LU01844 | CABDF10 |
| CAR2203     | LU04672 | CABDF10 |
|             | LU04668 | CABDF10 |
|             | LU04590 | CAVEF10 |
|             | LU04574 | CAADF10 |
|             | LU04569 | CABDF10 |
|             | LU04513 | CAVEF10 |
|             | LU04510 | CABDF10 |
|             | LU04456 | CAVEF10 |
|             | LU04345 | CABDF10 |
|             | LU03773 | CAVEF10 |
| CAR2202     | LU04183 | CAADF10 |
|             | LU04166 | CABDF10 |
|             | LU03914 | CAVEF10 |
|             | LU03833 | CAADF10 |
|             | LU03776 | CABDF10 |
|             | LU03534 | CADQF10 |
|             | LU03028 | CABDF10 |
|             | LU02919 | CABDF10 |
| CAR2201     | LU03985 | CAZNF10 |
|             | LU03984 | CAVEF10 |
|             | LU03983 | CADQF10 |
|             | LU03982 | CABDF11 |
|             | LU03981 | CABDF10 |
|             | LU03980 | CAADF15 |
|             | LU03979 | CAADF10 |
|             | LU03888 | CAADF10 |
|             | LU03836 | CABDF10 |
|             | LU03816 | CAADF10 |
|             | LU03700 | CABDF10 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | LU03458 | CABDF10 |
|             | LU03423 | CABDF10 |
|             | LU03281 | CAVEF10 |
|             | LU03203 | CABDF10 |
|             | LU03183 | CABDF10 |
|             | LU01391 | CAVEF10 |
|             | LU01082 | CAVEF10 |
| CAR2112     | LU03525 | CABDF10 |
|             | LU03383 | CAADF10 |
|             | LU03351 | CABDF11 |
|             | LU03297 | CABDF10 |
|             | LU03295 | CAADF10 |
|             | LU03154 | CABDF10 |
|             | LU02878 | CAVEF10 |
|             | LU02404 | CAVEF10 |
|             | LU02152 | CAVEF10 |
| CAR2111     | LU03070 | CABDF10 |
|             | LU02970 | CABDF10 |
|             | LU02943 | CABDF10 |
|             | LU02910 | CABDF10 |
|             | LU02898 | CAVEF10 |
|             | LU02879 | CAVEF10 |
|             | LU02864 | CABDF10 |
|             | LU02645 | CAVEF10 |
| CAR2110     | LU02807 | CABDF10 |
|             | LU02698 | CAVEF10 |
|             | LU02647 | CAVEF10 |
|             | LU02640 | CAVEF10 |
|             | LU02623 | CABDF10 |
|             | LU02610 | CAADF10 |
|             | LU02536 | CABDF10 |
|             | LU02338 | CABDF10 |
|             | LU02239 | CAVEF10 |
| CAR2109     | LU02542 | CABDF10 |
|             | LU02435 | CABDF10 |
|             | LU02418 | CABDF10 |
|             | LU02318 | CAADF10 |
|             | LU02248 | CABDF10 |
|             | LU02040 | CABDF10 |
|             | LU01216 | CAVEF10 |
| CAR2108     | LU02221 | CABDF10 |
|             | LU02170 | CABDF10 |
|             | LU02134 | CABDF10 |
|             | LU02107 | CABDF10 |
|             | LU02078 | CAADF10 |
|             | LU02022 | CABDF10 |
|             | LU01970 | CABDF10 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | LU01940 | CABDF10 |
|             | LU01916 | CABDF10 |
|             | LU01915 | CABDF10 |
|             | LU01863 | CABDF10 |
|             | LU01677 | CABDF10 |
|             | LU01651 | CABDF10 |
|             | LU01365 | CABDF10 |
|             | LU01331 | CAVEF10 |
|             | LU01153 | CAVEF10 |
| CAR2107     | LU01925 | CABDF10 |
|             | LU01834 | CAADF10 |
|             | LU01689 | CABDF10 |
|             | LU01636 | CABDF10 |
|             | LU01591 | CABDF10 |
|             | LU01545 | CABDF10 |
|             | LU01483 | CAVEF10 |
|             | LU01452 | CABDF10 |
|             | LU01400 | CABDF10 |
|             | LU01266 | CABDF10 |
|             | LU01081 | CABDF10 |
|             | LU01079 | CABDF10 |
| CAR2106     | SO15813 | CAVEF10 |
|             | SO14577 | CAZNF10 |
|             | LU01484 | CAVEF10 |
|             | LU01428 | CAADF10 |
|             | LU01374 | CABDF10 |
|             | LU01370 | CABDF10 |
|             | LU01312 | CABDF10 |
|             | LU01302 | CABDF10 |
|             | LU01280 | CABDF10 |
|             | LU01259 | CAADF10 |
|             | LU01249 | CAVEF10 |
|             | LU01224 | CABDF10 |
|             | LU01150 | CABDF10 |
|             | LU01149 | CAVEF10 |
|             | LU01046 | CAVEF10 |
|             | LU00988 | CAVEF10 |
|             | LU00961 | CABDF10 |
| CAR2105     | SO15660 | CABDF10 |
|             | LU01022 | CAADF10 |
|             | LU00985 | CAVEF10 |
|             | LU00984 | CABDF10 |
|             | LU00981 | CAVEF10 |
|             | LU00692 | CABDF10 |
|             | LU00602 | CAVEF10 |
|             | LU00472 | CAADF10 |
|             | LU00425 | CAVEF10 |

| CA RS Level | Service | FMID    |
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|             | LU00354 | CAVEF10 |
|             | LU00105 | CAVEF10 |
|             | LU00065 | CAVEF10 |
| CAR2104     | LU00589 | CABDF10 |
|             | LU00290 | CABDF10 |
| CAR2103     | SO16049 | CABDF10 |
|             | LU00374 | CABDF10 |
|             | LU00309 | CABDF10 |
|             | LU00265 | CABDF10 |
|             | LU00189 | CABDF10 |
|             | LU00174 | CABDF10 |
|             | LU00172 | CABDF10 |
|             | LU00161 | CABDF10 |
|             | LU00128 | CABDF10 |
|             | LU00112 | CABDF10 |
|             | LU00087 | CAVEF10 |
|             | LU00056 | CAVEF10 |
|             | LU00047 | CABDF10 |
| CAR2102     | SO16096 | CABDF10 |
|             | SO16086 | CABDF10 |
|             | SO16084 | CAADF10 |
|             | SO16078 | CAVEF10 |
|             | SO16052 | CABDF10 |
|             | SO16004 | CABDF10 |
|             | SO15871 | CABDF10 |
|             | LU00071 | CABDF10 |
|             | LU00061 | CABDF10 |
|             | LU00053 | CABDF10 |
| CAR2101     | SO16036 | CABDF10 |
|             | SO16006 | CABDF10 |
|             | SO15947 | CABDF10 |
|             | SO15912 | CABDF10 |
|             | SO15889 | CAVEF10 |
|             | SO15866 | CAVEF10 |
|             | SO15862 | CABDF10 |
|             | SO15827 | CAVEF10 |
|             | SO15755 | CAVEF10 |
|             | SO15728 | CAVEF10 |
|             | SO15724 | CAADF10 |
|             | SO15552 | CABDF10 |
|             | SO15243 | CABDF10 |
|             | SO15187 | CABDF10 |
|             | SO15152 | CABDF10 |
| CAR2012     | SO15651 | CAADF10 |
|             | SO15527 | CAVEF10 |
|             | SO15521 | CABDF10 |
|             | SO15490 | CAADF10 |

| CA RS Level | Service | FMID    |
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|             | S015425 | CAVEF10 |
|             | S015342 | CAVEF10 |
|             | S015292 | CABDF10 |
|             | S014980 | CABDF10 |
| CAR2011     | S015286 | CAADF10 |
|             | S015224 | CAVEF10 |
|             | S015186 | CABDF10 |
|             | S015165 | CAVEF10 |
|             | S014998 | CABDF10 |
|             | S014851 | CAADF10 |
|             | S014825 | CAVEF10 |
|             | S014818 | CABDF10 |
|             | S014813 | CAVEF10 |
|             | S014667 | CAVEF10 |
|             | S014578 | CAVEF10 |
|             | S014423 | CAVEF10 |
|             | S014067 | CABDF10 |
| CAR2010     | S015008 | CABDF10 |
|             | S014951 | CABDF10 |
|             | S014911 | CABDF10 |
|             | S014804 | CAVEF10 |
|             | S014800 | CAADF10 |
|             | S014765 | CABDF10 |
|             | S014725 | CAVEF10 |
|             | S014724 | CABDF10 |
|             | S014651 | CABDF10 |
|             | S014542 | CABDF10 |
|             | S014507 | CABDF10 |
|             | S014334 | CABDF10 |
|             | S014297 | CAVEF10 |
|             | S014271 | CAVEF10 |
|             | S014100 | CABDF10 |
|             | S014095 | CABDF10 |
| CAR2009     | S014600 | CAADF10 |
|             | S014495 | CABDF10 |
|             | S014493 | CAADF10 |
|             | S014369 | CAVEF10 |
|             | S014359 | CABDF10 |
|             | S014345 | CABDF11 |
|             | S014296 | CABDF10 |
|             | S014256 | CABDF10 |
|             | S014169 | CABDF10 |
|             | S014147 | CAVEF10 |
|             | S014105 | CAVEF10 |
|             | S014079 | CABDF10 |
|             | S013992 | CAVEF10 |
|             | S013892 | CAVEF10 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S011882 | CABDF10 |
| CAR2008     | S014115 | CABDF10 |
|             | S014070 | CABDF10 |
|             | S014068 | CAVEF10 |
|             | S013991 | CABDF10 |
|             | S013902 | CAVEF10 |
|             | S013882 | CABDF10 |
|             | S013810 | CAADF10 |
|             | S013742 | CAVEF10 |
|             | S013740 | CABDF10 |
|             | S013739 | CAVEF10 |
|             | S013716 | CABDF10 |
|             | S013630 | CAVEF10 |
|             | S013594 | CABDF10 |
|             | S013581 | CABDF10 |
|             | S013544 | CAVEF10 |
|             | S013526 | CAVEF10 |
|             | S013441 | CAADF10 |
|             | S013286 | CAVEF10 |
|             | S013249 | CABDF10 |
|             | S013055 | CAVEF10 |
| CAR2007     | S013667 | CABDF10 |
|             | S013593 | CABDF10 |
|             | S013463 | CABDF10 |
|             | S013425 | CABDF10 |
|             | S013398 | CABDF10 |
|             | S013370 | CABDF10 |
|             | S013173 | CAVEF10 |
|             | S013156 | CABDF10 |
|             | S013145 | CAVEF10 |
|             | S013102 | CAVEF10 |
|             | S013090 | CABDF10 |
| CAR2006     | S013189 | CABDF10 |
|             | S013162 | CABDF10 |
|             | S013093 | CAVEF10 |
|             | S013040 | CABDF10 |
|             | S012962 | CAVEF10 |
|             | S012932 | CABDF10 |
|             | S012861 | CAVEF10 |
|             | S012743 | CAVEF10 |
|             | S011965 | CABDF10 |
|             | S011513 | CABDF10 |
| CAR2005     | S012828 | CABDF10 |
|             | S012809 | CABDF10 |
|             | S012776 | CABDF10 |
|             | S012771 | CABDF10 |
|             | S012636 | CABDF10 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S012632 | CABDF10 |
|             | S012601 | CAVEF10 |
|             | S012557 | CAVEF10 |
|             | S012504 | CAVEF10 |
|             | S012497 | CAVEF10 |
|             | S012203 | CABDF10 |
|             | S012178 | CABDF10 |
|             | S011951 | CABDF10 |
|             | S006944 | CABDF11 |
| CAR2004     | S012202 | CAADF10 |
|             | S012165 | CABDF10 |
|             | S012048 | CABDF10 |
|             | S011975 | CABDF10 |
|             | S011629 | CAVEF10 |
|             | S011348 | CAVEF10 |
| CAR2003     | S011932 | CABDF10 |
|             | S011906 | CABDF10 |
|             | S011692 | CAADF10 |
|             | S011678 | CABDF10 |
|             | S010586 | CAVEF10 |
| CAR2002     | S011673 | CABDF10 |
|             | S011571 | CABDF10 |
|             | S011562 | CABDF10 |
|             | S011501 | CABDF10 |
|             | S011479 | CABDF10 |
|             | S011436 | CABDF10 |
|             | S011435 | CABDF10 |
|             | S011403 | CABDF10 |
|             | S011331 | CABDF10 |
|             | S011326 | CAVEF10 |
|             | S011247 | CABDF10 |
|             | S011223 | CAVEF10 |
|             | S011192 | CAVEF10 |
|             | S010960 | CAVEF10 |
|             | S010870 | CABDF10 |
|             | S010702 | CAVEF10 |
| CAR2001     | S011278 | CABDF10 |
|             | S011244 | CABDF10 |
|             | S010748 | CABDF10 |
|             | S010720 | CABDF10 |
|             | S010697 | CABDF10 |
| CAR1912     | S010776 | CABDF10 |
|             | S010727 | CABDF10 |
|             | S010624 | CABDF10 |
|             | S010580 | CABDF10 |
|             | S010571 | CABDF10 |
|             | S010439 | CABDF10 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S009551 | CAVEF10 |
|             | S008336 | CAVEF10 |
| CAR1911     | S010617 | CABDF10 |
|             | S010523 | CAADF10 |
|             | S010519 | CABDF10 |
|             | S010467 | CAVEF10 |
|             | S010466 | CAADF10 |
|             | S010462 | CAADF10 |
|             | S010416 | CABDF10 |
|             | S010395 | CABDF10 |
|             | S010380 | CAVEF10 |
|             | S010373 | CABDF10 |
|             | S010335 | CAVEF10 |
|             | S010328 | CAVEF10 |
|             | S010261 | CABDF10 |
|             | S010095 | CABDF10 |
|             | S010082 | CABDF10 |
|             | S009994 | CAVEF10 |
|             | S009683 | CABDF10 |
|             | S009437 | CAVEF10 |
|             | S009190 | CAVEF10 |
| CAR1910     | S010109 | CABDF10 |
|             | S009919 | CAADF10 |
|             | S009835 | CABDF10 |
|             | S009814 | CAVEF10 |
|             | S009679 | CABDF10 |
|             | S009494 | CABDF10 |
|             | S009474 | CABDF10 |
| CAR1909     | S009749 | CAADF10 |
|             | S009682 | CABDF10 |
|             | S009648 | CABDF10 |
|             | S009610 | CABDF10 |
|             | S009543 | CABDF10 |
|             | S009510 | CABDF10 |
|             | S009479 | CABDF10 |
|             | S009464 | CABDF10 |
|             | S009367 | CABDF10 |
|             | S009270 | CABDF10 |
|             | S008758 | CAVEF10 |
| CAR1908     | S009219 | CABDF10 |
|             | S009151 | CABDF10 |
|             | S009143 | CABDF10 |
|             | S008933 | CAVEF10 |
|             | S008913 | CAADF10 |
|             | S008889 | CAVEF10 |
|             | S008801 | CAVEF10 |
|             | S008749 | CABDF10 |

| CA RS Level | Service | FMID    |
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|             | S008622 | CABDF10 |
|             | S008452 | CAVEF10 |
|             | S008294 | CABDF10 |
| CAR1907     | S009034 | CABDF10 |
|             | S008926 | CABDF10 |
|             | S008775 | CABDF10 |
|             | S008697 | CABDF10 |
|             | S008685 | CABDF10 |
|             | S008602 | CABDF10 |
|             | S008590 | CABDF10 |
|             | S008488 | CABDF10 |
|             | S008444 | CABDF10 |
|             | S008394 | CABDF10 |
|             | S008374 | CAVEF10 |
|             | S008017 | CAVEF10 |
| CAR1906     | S008545 | CAADF10 |
|             | S008500 | CABDF10 |
|             | S008300 | CABDF10 |
|             | S008181 | CABDF10 |
|             | S008120 | CABDF10 |
|             | S008032 | CABDF10 |
|             | S007557 | CAVEF10 |
|             | S007544 | CAVEF10 |
| CAR1905     | S008152 | CABDF10 |
|             | S007948 | CABDF10 |
|             | S007923 | CABDF10 |
|             | S007900 | CABDF10 |
|             | S007846 | CABDF10 |
|             | S007835 | CABDF10 |
|             | S007524 | CABDF10 |
|             | S007519 | CABDF10 |
| CAR1904     | S007786 | CABDF10 |
|             | S007735 | CAADF10 |
|             | S007733 | CABDF10 |
|             | S007572 | CAADF10 |
|             | S007564 | CAADF10 |
|             | S007530 | CABDF10 |
|             | S007496 | CABDF10 |
|             | S007480 | CABDF10 |
|             | S007468 | CAVEF10 |
|             | S007461 | CAVEF10 |
|             | S007425 | CABDF10 |
|             | S007405 | CABDF10 |
|             | S007233 | CABDF10 |
|             | S007166 | CABDF10 |
|             | S007008 | CABDF10 |
|             | S006957 | CABDF10 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
| CAR1903     | S007320 | CABDF10 |
|             | S007262 | CABDF10 |
|             | S007258 | CABDF10 |
|             | S007234 | CABDF10 |
|             | S007219 | CABDF10 |
|             | S007202 | CABDF10 |
|             | S007190 | CABDF10 |
|             | S007141 | CABDF10 |
|             | S007055 | CABDF10 |
|             | S007039 | CABDF10 |
|             | S007034 | CABDF10 |
|             | S006999 | CAVEF10 |
|             | S006945 | CABDF10 |
|             | S006922 | CAVEF10 |
|             | S006846 | CAVEF10 |
|             | S006768 | CABDF10 |
|             | S006750 | CAVEF10 |
|             | S006748 | CABDF10 |
|             | S004529 | CAADF10 |
| CAR1902     | S007113 | CABDF10 |
|             | S006840 | CABDF10 |
|             | S006815 | CABDF10 |
|             | S006692 | CABDF10 |
|             | S006613 | CABDF10 |
|             | S006547 | CABDF10 |
|             | S006404 | CABDF10 |
| CAR1901     | S006715 | CABDF10 |
|             | S006676 | CABDF10 |
|             | S006626 | CAVEF10 |
|             | S006551 | CABDF10 |
|             | S006519 | CABDF10 |
|             | S006473 | CAVEF10 |
|             | S006440 | CAVEF10 |
|             | S006422 | CABDF10 |
|             | S006412 | CAVEF10 |
|             | S006402 | CAVEF10 |
|             | S006401 | CABDF10 |
|             | S006396 | CAVEF10 |
|             | S006387 | CAVEF10 |
|             | S006366 | CABDF10 |
|             | S006365 | CABDF10 |
|             | S006238 | CAVEF10 |
|             | S006153 | CADQF10 |
| CAR1812     | S006314 | CABDF10 |
|             | S006231 | CAVEF10 |
|             | S006217 | CABDF10 |
|             | S006174 | CAVEF10 |

| CA RS Level | Service | FMID    |
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|             | S006133 | CABDF10 |
|             | S005985 | CAADF10 |
|             | S005964 | CABDF10 |
|             | S005962 | CABDF10 |
|             | S005935 | CAVEF10 |
|             | S005882 | CABDF10 |
|             | S005562 | CAVEF10 |
| CAR1811     | S005864 | CABDF10 |
|             | S005778 | CABDF10 |
|             | S005738 | CABDF10 |
|             | S005708 | CABDF10 |
|             | S005665 | CABDF10 |
|             | S005617 | CABDF10 |
|             | S005600 | CAVEF10 |
|             | S005597 | CABDF10 |
|             | S005583 | CABDF10 |
|             | S005492 | CABDF10 |
|             | S005423 | CABDF10 |
|             | S005417 | CAVEF10 |
|             | S005404 | CABDF10 |
|             | S005360 | CABDF10 |
|             | S005352 | CAVEF10 |
|             | S005300 | CAVEF10 |
|             | S005278 | CABDF10 |
| CAR1810     | S005596 | CABDF10 |
|             | S005383 | CABDF10 |
|             | S005361 | CABDF10 |
|             | S005343 | CAVEF10 |
|             | S005301 | CABDF10 |
|             | S005243 | CAVEF10 |
|             | S005239 | CABDF10 |
|             | S005221 | CABDF10 |
|             | S005210 | CAVEF10 |
|             | S005206 | CABDF10 |
|             | S005190 | CAVEF10 |
|             | S005131 | CABDF10 |
|             | S004938 | CABDF10 |
|             | S004931 | CABDF10 |
|             | S004867 | CAVEF10 |
|             | S004565 | CABDF10 |
| CAR1809     | S005129 | CABDF10 |
|             | S004997 | CABDF10 |
|             | S004978 | CABDF10 |
|             | S004969 | CAVEF10 |
|             | S004927 | CAVEF10 |
|             | S004889 | CAVEF10 |
|             | S004849 | CAVEF10 |

| CA RS Level | Service | FMID    |
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|             | S004783 | CABDF10 |
|             | S004745 | CABDF10 |
|             | S004559 | CABDF10 |
|             | S004538 | CABDF10 |
|             | S004526 | CABDF11 |
|             | S004485 | CAADF10 |
|             | S004040 | CABDF11 |
|             | S003799 | CABDF10 |
|             | S003704 | CABDF10 |
|             | S003692 | CABDF10 |
| CAR1808     | S004357 | CAVEF10 |
|             | S004298 | CABDF10 |
|             | S004243 | CAVEF10 |
|             | S004197 | CAVEF10 |
|             | S004157 | CAADF10 |
|             | S004152 | CAVEF10 |
|             | S004151 | CABDF10 |
|             | S004095 | CABDF10 |
|             | S004057 | CABDF10 |
|             | S003985 | CABDF10 |
|             | S003866 | CABDF10 |
|             | S003827 | CABDF10 |
|             | S001837 | CABDF10 |
| CAR1807     | S004096 | CABDF10 |
|             | S004045 | CAVEF10 |
|             | S004034 | CAVEF10 |
|             | S004015 | CAVEF10 |
|             | S004003 | CAVEF10 |
|             | S003941 | CABDF10 |
|             | S003895 | CAVEF10 |
|             | S003879 | CABDF10 |
|             | S003853 | CABDF10 |
|             | S003825 | CABDF10 |
|             | S003791 | CAVEF10 |
|             | S003770 | CABDF10 |
|             | S003683 | CAVEF10 |
|             | S001886 | CAVEF10 |
|             | S001804 | CABDF10 |
| CAR1806     | S001888 | CABDF10 |
|             | S001724 | CABDF10 |
|             | S001708 | CABDF10 |
|             | S001597 | CABDF10 |
|             | S001569 | CABDF10 |
|             | S001512 | CAVEF10 |
|             | S001439 | CABDF10 |
|             | S001350 | CAVEF10 |
|             | S001277 | CABDF10 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S001215 | CABDF10 |
|             | S000956 | CAVEF10 |
|             | S000902 | CAVEF10 |
|             | S000890 | CAVEF10 |
|             | S000167 | CABDF10 |
| CAR1805     | S001443 | CABDF10 |
|             | S001390 | CABDF10 |
|             | S001230 | CABDF10 |
|             | S001226 | CABDF10 |
|             | S001212 | CABDF10 |
|             | S001184 | CABDF10 |
|             | S000426 | CAVEF10 |
| CAR1804     | S000922 | CABDF10 |
|             | S000822 | CAADF15 |
|             | S000629 | CABDF10 |
|             | S000599 | CABDF11 |
|             | S000369 | CABDF11 |
|             | S000074 | CABDF10 |
|             | S000007 | CABDF10 |
|             | R099997 | CABDF10 |
|             | R099171 | CABDF10 |
| CAR1803     | S000657 | CABDF10 |
|             | S000595 | CABDF10 |
|             | S000475 | CABDF10 |
|             | S000436 | CABDF10 |
|             | S000315 | CABDF10 |
| CAR1802     | S000035 | CABDF10 |
|             | R099972 | CAVEF10 |
|             | R099969 | CAVEF10 |
|             | R099964 | CAVEF10 |
|             | R099902 | CABDF10 |
|             | R099886 | CABDF10 |
|             | R099738 | CABDF10 |
|             | R099737 | CABDF10 |
|             | R099516 | CABDF10 |
|             | R099067 | CABDF10 |
| CAR1801     | R099675 | CABDF10 |
|             | R099532 | CABDF10 |
|             | R099390 | CABDF10 |
|             | R099352 | CABDF10 |
|             | R099100 | CABDF10 |
|             | R098976 | CABDF11 |
|             | R098873 | CABDF11 |
|             | R097375 | CABDF11 |
|             | R096916 | CABDF11 |
| CAR1712     | R099168 | CAVEF10 |
|             | R099051 | CAVEF10 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R099046 | CADQF10 |
|             | R099007 | CAVEF10 |
|             | R098973 | CABDF10 |
|             | R098926 | CABDF10 |
|             | R098879 | CABDF10 |
|             | R098846 | CABDF10 |
|             | R098800 | CABDF10 |
|             | R098737 | CABDF10 |
|             | R098604 | CABDF10 |
|             | R098085 | CABDF10 |
| CAR1711     | R098683 | CABDF10 |
|             | R098636 | CAADF10 |
|             | R098593 | CABDF10 |
|             | R098521 | CAVEF10 |
|             | R098427 | CABDF11 |
|             | R098426 | CABDF10 |
|             | R098417 | CABDF10 |
|             | R098393 | CABDF10 |
|             | R098364 | CABDF10 |
|             | R098348 | CABDF10 |
|             | R098249 | CABDF10 |
|             | R098231 | CAADF10 |
|             | R098220 | CABDF10 |
|             | R098142 | CABDF10 |
|             | R098059 | CABDF10 |
| CAR1710     | R098204 | CAADF10 |
|             | R098170 | CAADF10 |
|             | R098086 | CABDF10 |
|             | R097972 | CABDF10 |
|             | R097932 | CABDF10 |
|             | R097893 | CABDF10 |
|             | R097868 | CAADF10 |
|             | R097818 | CABDF10 |
|             | R097757 | CABDF10 |
|             | R097743 | CABDF10 |
|             | R097729 | CABDF10 |
|             | R097723 | CABDF10 |
|             | R097700 | CABDF10 |
|             | R097674 | CABDF10 |
|             | R097607 | CAADF10 |
| CAR1709     | R097677 | CABDF10 |
|             | R097639 | CABDF10 |
|             | R097626 | CABDF10 |
|             | R097526 | CABDF10 |
|             | R097493 | CAADF10 |
|             | R097490 | CABDF10 |
|             | R097460 | CAADF10 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R097416 | CABDF10 |
|             | R097392 | CABDF10 |
|             | R097386 | CAADF10 |
|             | R097382 | CABDF10 |
|             | R097343 | CABDF10 |
|             | R097329 | CABDF10 |
|             | R097238 | CABDF10 |
|             | R097236 | CAVEF10 |
|             | R097225 | CAVEF10 |
|             | R097209 | CABDF10 |
|             | R097131 | CAVEF10 |
|             | R097126 | CAVEF10 |
|             | R096797 | CAVEF10 |
|             | R096118 | CAVEF10 |
|             | R095978 | CAVEF10 |
| CAR1708     | R097082 | CABDF10 |
|             | R096949 | CAADF10 |
|             | R096852 | CABDF10 |
|             | R096824 | CABDF10 |
|             | R096821 | CABDF10 |
|             | R096806 | CABDF10 |
|             | R096769 | CABDF10 |
|             | R096719 | CABDF10 |
|             | R096617 | CABDF10 |
|             | R096370 | CABDF10 |
| CAR1707     | R096568 | CABDF10 |
|             | R096537 | CAADF10 |
|             | R096499 | CABDF10 |
|             | R096447 | CABDF10 |
|             | R096440 | CABDF10 |
|             | R096426 | CABDF10 |
|             | R096420 | CABDF10 |
|             | R096403 | CABDF10 |
|             | R096260 | CABDF10 |
|             | R096191 | CABDF10 |
|             | R095487 | CAADF10 |
|             | R095386 | CADQF10 |
| CAR1706     | R096346 | CAADF10 |
|             | R096313 | CABDF10 |
|             | R096312 | CABDF10 |
|             | R096304 | CAADF10 |
|             | R096300 | CABDF10 |
|             | R096257 | CAADF10 |
|             | R096252 | CABDF10 |
|             | R096213 | CABDF10 |
|             | R096204 | CABDF10 |
|             | R096133 | CABDF10 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R096053 | CABDF10 |
|             | R095915 | CABDF10 |
|             | R095833 | CABDF10 |
|             | R095761 | CABDF10 |
|             | R095719 | CABDF10 |
|             | R095676 | CABDF10 |
|             | R095600 | CABDF10 |
|             | R095564 | CABDF10 |
|             | R095097 | CAADF10 |
|             | R094902 | CABDF10 |
| CAR1705     | R095737 | CAVEF10 |
|             | R095667 | CABDF10 |
|             | R095621 | CADQF10 |
|             | R095609 | CAVEF10 |
|             | R095548 | CABDF10 |
|             | R095352 | CAVEF10 |
|             | R095305 | CABDF10 |
|             | R095277 | CABDF10 |
|             | R095235 | CAVEF10 |
|             | R095037 | CABDF10 |
|             | R094176 | CABDF10 |
| CAR1704     | R095080 | CABDF10 |
|             | R094912 | CABDF10 |
|             | R094907 | CABDF10 |
|             | R094783 | CABDF10 |
|             | R094696 | CAVEF10 |
|             | R094632 | CABDF10 |
| CAR1703     | R094327 | CABDF11 |
|             | R094324 | CAVEF10 |
|             | R094280 | CABDF10 |
|             | R094247 | CAVEF10 |
|             | R093821 | CAVEF10 |
|             | R093677 | CAVEF10 |
|             | R093613 | CAVEF10 |
|             | R090834 | CADQF10 |
| CAR1702     | R094177 | CADQF10 |
|             | R094095 | CABDF10 |
|             | R094090 | CABDF10 |
|             | R094085 | CABDF10 |
|             | R094001 | CABDF10 |
|             | R094000 | CABDF10 |
|             | R093647 | CABDF10 |
|             | R093616 | CABDF10 |
|             | R093587 | CABDF10 |
|             | R093585 | CABDF10 |
|             | R093148 | CABDF11 |
| CAR1701     | R093666 | CAVEF10 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R093560 | CAVEF10 |
|             | R093454 | CABDF10 |
|             | R093450 | CABDF10 |
|             | R093436 | CABDF10 |
|             | R093373 | CAADF10 |
|             | R093324 | CAVEF10 |
|             | R093251 | CABDF10 |
|             | R093201 | CABDF10 |
|             | R093127 | CABDF10 |
|             | R093092 | CABDF10 |
|             | R093061 | CABDF11 |
|             | R092954 | CABDF10 |
|             | R092896 | CAADF15 |
|             | R092891 | CADQF10 |
|             | R092864 | CAVEF10 |
|             | R092858 | CABDF10 |
|             | R092736 | CAADF10 |
|             | R092600 | CABDF10 |
|             | R092507 | CAADF10 |
|             | R092441 | CABDF10 |
|             | R092436 | CABDF10 |
|             | R092398 | CABDF10 |
|             | R092282 | CAVEF10 |
|             | R092277 | CABDF10 |
|             | R092259 | CABDF10 |
|             | R092243 | CABDF10 |
|             | R092173 | CAVEF10 |
|             | R092064 | CAVEF10 |
|             | R092016 | CABDF11 |
|             | R092009 | CAVEF10 |
|             | R091992 | CAVEF10 |
|             | R091930 | CAVEF10 |
|             | R091845 | CABDF10 |
|             | R091732 | CABDF10 |
|             | R091719 | CAADF10 |
|             | R091648 | CABDF10 |
|             | R091632 | CABDF10 |
|             | R091631 | CABDF10 |
|             | R091630 | CABDF10 |
|             | R091587 | CABDF10 |
|             | R091515 | CABDF10 |
|             | R091427 | CABDF10 |
|             | R091404 | CABDF10 |
|             | R091394 | CABDF10 |
|             | R091352 | CABDF10 |
|             | R091254 | CABDF10 |
|             | R091226 | CAVEF10 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R091196 | CAADF10 |
|             | R091185 | CAADF10 |
|             | R091180 | CABDF10 |
|             | R091166 | CABDF10 |
|             | R091165 | CABDF10 |
|             | R091141 | CABDF10 |
|             | R091115 | CAVEF10 |
|             | R091079 | CABDF10 |
|             | R091015 | CABDF10 |
|             | R090950 | CAADF10 |
|             | R090903 | CABDF10 |
|             | R090854 | CAVEF10 |
|             | R090838 | CAADF10 |
|             | R090826 | CAVEF10 |
|             | R090821 | CABDF10 |
|             | R090729 | CAADF10 |
|             | R090586 | CABDF10 |
|             | R090535 | CABDF10 |
|             | R090486 | CABDF10 |
|             | R090397 | CABDF10 |
|             | R090276 | CABDF10 |
|             | R090216 | CAVEF10 |
|             | R090197 | CABDF10 |
|             | R090182 | CABDF10 |
|             | R090179 | CABDF10 |
|             | R090156 | CAVEF10 |
|             | R090155 | CAVEF10 |
|             | R090075 | CABDF10 |
|             | R090074 | CAADF10 |
|             | R090065 | CABDF10 |
|             | R090044 | CAVEF10 |
|             | R089842 | CAVEF10 |
|             | R089839 | CAVEF10 |
|             | R089666 | CABDF10 |
|             | R089559 | CABDF10 |
|             | R089521 | CAVEF10 |
|             | R089520 | CAVEF10 |
|             | R088863 | CABDF10 |
|             | R088617 | CAVEF10 |
|             | R088611 | CAVEF10 |
|             | R088550 | CAVEF10 |
|             | R088530 | CABDF10 |
|             | R088480 | CAVEF10 |
|             | R088479 | CAVEF10 |
|             | R088475 | CAVEF10 |
|             | R088469 | CABDF10 |