

Datacom/AD 15.1  
CA RS 2112 Service List

1

| Service                                             | Description                                                | Type |
|-----------------------------------------------------|------------------------------------------------------------|------|
| LU02152                                             | STES ARE ACCEPTED IN IN LIST                               | PTF  |
| LU02404                                             | COLUMNS NOT PRINT IN A ROW AFTER A ZERO LENGTH VARCHAR     | PTF  |
| LU02878                                             | IN LIST PERFORMANCE ENHANCEMENT                            | PTF  |
| LU02882                                             | MF: SERVER CAUSES CPU LOOP AT EOJ                          | PTF  |
| LU02899                                             | JDBC:CAN'T FIND BUNDLE FOR BASE NAME DATACOMPROPERTYBUNDLE | PTF  |
| LU03154                                             | ENHANCEMENT: NEW OPTION: EXCEPTION VISIBILITY FOR RETIX    | PTF  |
| LU03295                                             | 1000 RESTORE PROCESSES INVALID ENTRIES IN KEY TABLE        | PTF  |
| LU03297                                             | MUF CAN ABORT WITH A SOC1 IN DBBFWPR AFTER QUIECE RST      | PTF  |
| LU03383                                             | MXON DATADictionary TRACING TOOL SOC4 ABEND                | PTF  |
| LU03525                                             | INTERNAL ERROR (DBSERV ): TABLE OF DBID 1000 CLOSED        | PTF  |
| The CA RS 2112 service count for this release is 10 |                                                            |      |

Datacom/AD  
CA RS 2112 Service List for CAADF10

2

| FMID                                            | Service | Description                                         | Type |
|-------------------------------------------------|---------|-----------------------------------------------------|------|
| CAADF10                                         | LU03295 | 1000 RESTORE PROCESSES INVALID ENTRIES IN KEY TABLE | PTF  |
|                                                 | LU03383 | MXON DATADITIONARY TRACING TOOL SOC4 ABEND          | PTF  |
| The CA RS 2112 service count for this FMID is 2 |         |                                                     |      |

Datacom/AD  
CA RS 2112 Service List for CABDF10

3

| FMID                                            | Service | Description                                             | Type |
|-------------------------------------------------|---------|---------------------------------------------------------|------|
| CABDF10                                         | LU03154 | ENHANCEMENT: NEW OPTION: EXCEPTION VISIBILITY FOR RETIX | PTF  |
|                                                 | LU03297 | MUF CAN ABORT WITH A SOC1 IN DBBFWPR AFTER QUIECE RST   | PTF  |
|                                                 | LU03525 | INTERNAL ERROR (DBSERV ): TABLE OF DBID 1000 CLOSED     | PTF  |
| The CA RS 2112 service count for this FMID is 3 |         |                                                         |      |

Datacom/AD  
CA RS 2112 Service List for CAVEF10

| FMID                                            | Service | Description                                            | Type |
|-------------------------------------------------|---------|--------------------------------------------------------|------|
| CAVEF10                                         | LU02152 | STES ARE ACCEPTED IN IN LIST                           | PTF  |
|                                                 | LU02404 | COLUMNS NOT PRINT IN A ROW AFTER A ZERO LENGTH VARCHAR | PTF  |
|                                                 | LU02878 | IN LIST PERFORMANCE ENHANCEMENT                        | PTF  |
| The CA RS 2112 service count for this FMID is 3 |         |                                                        |      |

Datacom/AD  
CA RS 2112 Service List for CAYTF00

| FMID                                            | Service | Description                       | Type |
|-------------------------------------------------|---------|-----------------------------------|------|
| CAYTF00                                         | LU02882 | MF: SERVER CAUSES CPU LOOP AT EOJ | PTF  |
| The CA RS 2112 service count for this FMID is 1 |         |                                   |      |

Datacom/AD  
CA RS 2112 Service List for CAYTF02

6

| FMID                                            | Service | Description                                                | Type |
|-------------------------------------------------|---------|------------------------------------------------------------|------|
| CAYTF02                                         | LU02899 | JDBC:CAN'T FIND BUNDLE FOR BASE NAME DATACOMPROPERTYBUNDLE | PTF  |
| The CA RS 2112 service count for this FMID is 1 |         |                                                            |      |

| Service        | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |              |
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| LU02152        | <p>LU02152 M.C.S. ENTRIES = ++PTF (LU02152)</p> <p>STES ARE ACCEPTED IN IN LIST</p> <p>PROBLEM DESCRIPTION:</p> <p>Scalar Table Expressions are accepted by the SQL grammar as part of the IN list.</p> <p>SYMPTOMS:</p> <p>Incorrect output is received or the MUF abends.</p> <p>IMPACT:</p> <p>SQL queries with incorrect syntax are executed.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom SQL <span style="float: right;">Release 15.1</span></p> <p>Related Problem:</p> <p>SQL 14229</p> <p>Copyright (C) 2021 CA. All rights reserved. R00921-DCM151-SP2</p> <p>DESC(STES ARE ACCEPTED IN IN LIST).</p> <p>++VER (Z038)</p> <p>FMID (CAVEF10)</p> <p>PRE ( LU00985 LU00988 LU01216 LU02239 S001886 S005243<br/>S005343 S006396 S007544 S008452 S009437 S010328<br/>S010335 S011629 S012497 S013742 S015755 )</p> <p>SUP ( LT02152 R094696 S004927 S014667 ST04927 ST14667<br/>TR94696 )</p> <p>++HOLD (LU02152) SYSTEM FMID(CAVEF10)</p> <p>REASON (DOC ) DATE (21308)</p> <p>COMMENT (</p> <p>+-----+</p> <table border="1"> <tr> <td>CA Datacom SQL</td> <td>Release 15.1</td> </tr> </table> <p>+-----+</p> <p>*****</p> <p>* PUBLICATION *</p> <p>*****</p> <p>expression1 ----- IN ---- (subselect) ----</p> <p>  - NOT -     - ( expression2 ) -  </p> <p>  --- , ---  </p> <p>expression1, expression2</p> <p>Specify an expression. For more information about expressions, see Expressions. Scalar subselects can not be used as expression2.</p> <p>).</p> | CA Datacom SQL | Release 15.1 |
| CA Datacom SQL | Release 15.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |              |

Datacom/AD 15.1  
CA RS 2112 - PTF LU02404 Details

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| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LU02404 | <p>LU02404 M.C.S. ENTRIES = ++PTF (LU02404)</p> <p>COLUMNS NOT PRINT IN A ROW AFTER A ZERO LENGTH VARCHAR</p> <p>PROBLEM DESCRIPTION:</p> <p>When a VARCHAR column has a zero length string, all following columns are not printed for that row.</p> <p>SYMPTOMS:</p> <p>Rows may be missing columns.</p> <p>IMPACT:</p> <p>Rows may be missing columns.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom SQL <span style="float: right;">Release 15.1</span></p> <p>Related Problem:</p> <p>SQL 14499</p> <p>Copyright (C) 2021 CA. All rights reserved. R00931-DCM151-SP3</p> <p>DESC (COLUMNS NOT PRINT IN A ROW AFTER A ZERO LENGTH VARCHAR).</p> <p>++VER (Z038)</p> <p>FMID (CAVEF10)</p> <p>SUP ( CC92212 LT02404 R097236 R099969 S007461 S009190</p> <p>S010586 S012504 S013093 S013892 ST01846 ST04929</p> <p>ST07461 ST07727 ST09190 ST10586 ST12504 ST13093</p> <p>ST13892 TR90841 TR97236 TR99969 )</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| LU02878 | <p>LU02878 M.C.S. ENTRIES = ++PTF (LU02878)</p> <p>The following items are included in this solution:</p> <ol style="list-style-type: none"> <li>1. IN LIST PERFORMANCE ENHANCEMENT</li> <li>2. WRONG ROWS RETURNED WITH CERTAIN LEFT MERGE JOINS</li> </ol> <p>=====</p> <p>IN LIST PERFORMANCE ENHANCEMENT</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>This enhancement changes the way IN list predicates that reference the high-order column of an index are evaluated so that only the rows with values in the list are accessed.</p> <p>This is done by calling CBS with an EQ predicate for each IN list value. Without this optimization, the IN list is not passed to CBS where the index scan range can be restricted.</p> <p>This optimization is NOT performed if ANY of the following is true:</p> <ol style="list-style-type: none"> <li>1. There is another predicate with a high-order restriction on a different index. (It may be best to use this other index, and using both indexes would cause population counting and creating an index to eliminate rows found in both indexes, if an EQ predicate.)</li> <li>2. When the table is the inner table of a nested loop join. The join takes priority.</li> <li>3. This optimization can be used when the join is a sort-merge or hash join. (In this case, a temporary table is built and filtering is okay.)</li> <li>4. There is another index being used to satisfy GROUP BY or ORDER BY.</li> <li>5. If there are multiple IN lists referencing high-order index columns, only one IN list is optimized.</li> <li>6. In list values are not all literals.</li> <li>7. Any IN list value has a greater precision/length/scale than the column.</li> <li>8. The IN list is under an OR.</li> <li>9. The IN list is in the ON clause of a LEFT JOIN and refers to the outer/preserved table. (It's okay if in the WHERE clause.)</li> </ol> <p>Note that the IN list values are sorted, and any duplicate values eliminated.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom SQL <span style="float: right;">Release 15.1</span></p> <p>Related Problem:</p> <p>SQL 14261</p> <p>=====</p> <p>WRONG ROWS RETURNED WITH CERTAIN LEFT MERGE JOINS</p> <p>PROBLEM DESCRIPTION:</p> <p>A join with all of the following true returns too many rows:</p> <ol style="list-style-type: none"> <li>1. LEFT JOIN</li> <li>2. MERGE join method is used</li> <li>3. Duplicate join values in outer/preserved table</li> <li>4. These duplicate join values have matching rows on the inner table</li> <li>5. ON predicate(s) referencing the outer/preserved table</li> </ol> <p>When an ON predicate of a LEFT join referencing the outer/preserved table is FALSE, any matching rows should be rejected and null values returned for the inner table.</p> <p>However, when there are multiple outer/preserved table rows with the same join value, and there are also matching rows on the inner table, these matching rows are returned in error.</p> <p>SYMPTOMS:</p> <p>Too many rows are returned.</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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|         | <p>IMPACT:</p> <p>The query returns too many rows.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom SQL <span style="float: right;">Release 15.1</span></p> <p>Related Problem:</p> <p>SQL 14904</p> <p>Copyright (C) 2021 CA. All rights reserved. R00946-DCM151-SP2</p><br><p>DESC(IN LIST PERFORMANCE ENHANCEMENT) .</p> <p>++VER (Z038)</p> <p>FMID (CAVEF10)</p> <p>PRE ( LU00985 LU01149 LU01216 LU01483 LU02239 LU02698</p> <p>R090155 R090216 R090826 R090854 S000890 S001886</p> <p>S004034 S004197 S005343 S005935 S006396 S007544</p> <p>S008017 S008336 S010328 S010335 S011326 S011629</p> <p>S012497 S013742 S014105 S014725 S014825 S015755 )</p> <p>SUP ( AR90826 AS07544 AS11629 AS13173 AS14825 BR90826</p> <p>CR90826 DC92212 DS11629 ES11629 HC92212 LT00055</p> <p>LT00056 LT00059 LT00425 LT01153 LT02878 LU00056</p> <p>LU00425 LU01153 R088550 R089520 R093613 R095609</p> <p>R095978 R098521 R099168 R099972 S001350 S004889</p> <p>S004969 S005352 S007468 S009994 S013173 S013526</p> <p>S014369 S015527 ST01350 ST04889 ST04969 ST05352</p> <p>ST07468 ST09994 ST13173 ST13526 ST14369 ST15527</p> <p>TR88208 TR88392 TR88550 TR89520 TR90605 TR93613</p> <p>TR95609 TR95978 TR98438 TR98521 TR99168 TR99972 )</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| LU02882 | <p>LU02882 M.C.S. ENTRIES = ++PTF (LU02882)</p> <p>MF: SERVER CAUSES CPU LOOP AT EOJ</p> <p>PROBLEM DESCRIPTION:</p> <p>The Datacom Server region enters a CPU loop after an EOJ is issued.</p> <p>SYMPTOMS:</p> <p>The message, DSV00037I-End of job request was received, is displayed in the Server SYSPRINT, but the EOJ statistics are never written to the output. The server region does not terminate as expected.</p> <p>IMPACT:</p> <p>The Datacom Server region may cause excessive CPU usage. The Datacom MUF is not affected.</p> <p>CIRCUMVENTION:</p> <p>The Datacom Server region must be canceled to terminate the job.</p> <p>PRODUCT(S) AFFECTED:</p> <p>Datacom Server Version 15.0</p> <p>Related Problem:</p> <p>DBSRV 12787</p> <p>Copyright (C) 2021 CA. All rights reserved. R00134-DSR150-SP3</p> <p>DESC(MF: SERVER CAUSES CPU LOOP AT EOJ) .</p> <p>++VER (Z038)</p> <p>FMID (CAYTF00)</p> <p>PRE ( LU00463 SO15082 SO16056 )</p> <p>SUP ( AS15082 LT00245 LT00977 LT01907 LT02882 LU00977</p> <p>SO15298 ST15298 )</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| LU02899 | <p>LU02899 M.C.S. ENTRIES = ++PTF (LU02899)</p> <p>JDBC:CAN'T FIND BUNDLE FOR BASE NAME DATACOMPROPERTYBUNDLE</p> <p>PROBLEM DESCRIPTION:</p> <p>Datacom Server JDBC driver, cadcjdbc.jar, throws an exception when the driver's properties information is requested in the application.</p> <p>SYMPTOMS:</p> <p>When Datacom Server JDBC driver's getPropertyInfo method is invoked in an application, then it fails with the following exception since it is looking for DatacomPropertyBundle.properties file in the jar:</p> <p>Exception in thread "main" java.util.MissingResourceException: Can't find bundle for base name ca.datacom.jdbc.DatacomPropertyBundle, locale en_US at</p> <p>java.util.ResourceBundle.throwMissingResourceException (ResourceBundle.java:1581)</p> <p>at java.util.ResourceBundle.getBundleImpl (ResourceBundle.java:1396)</p> <p>at java.util.ResourceBundle.getBundle (ResourceBundle.java:854)</p> <p>at ca.datacom.jdbc.DatacomJdbcDriver.getPropertyInfo (Unknown Source)</p> <p>IMPACT:</p> <p>JDBC application fails with an exception.</p> <p>Neither the Datacom Server mainframe region (SVDBSPR) nor the Datacom Multi-User Facility is affected.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>Datacom Server Version 15.0</p> <p>COMPONENTS AFFECTED:</p> <p>cadcjdbc.jar Driver Version: 15.00.021</p> <p>Related Problem:</p> <p>DBSRV 14826</p> <p>Copyright (C) 2021 CA. All rights reserved. R00135-DSR150-SP3</p> <p>DESC(JDBC:CAN'T FIND BUNDLE FOR BASE NAME DATACOMPROPERTYBUNDLE) .</p> <p>++VER (Z038)</p> <p>FMID (CAYTF02)</p> <p>PRE ( LU00231 R067586 R072673 R079251 R079335 R099840 )</p> <p>SUP ( AR79335 LT01619 LT02899 LU01619 R074101 R076353</p> <p>R081768 R087666 R089016 R092663 R096707 R098045</p> <p>S005865 S007533 ST05865 ST07533 TR71893 TR74101</p> <p>TR76353 TR81151 TR81768 TR87666 TR89016 TR90698</p> <p>TR91059 TR91753 TR92663 TR93636 TR94780 TR95141</p> <p>TR95885 TR95901 TR96233 TR96567 TR96707 TR97036</p> <p>TR98045 )</p> <p>LINK('cadcjdbc.jar')</p> <p>PARM(PATHMODE(0,7,7,7)) .</p> <p>LINK('cadcjdoc.jar')</p> <p>PARM(PATHMODE(0,7,7,7)) .</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| LU03154 | <p>LU03154 M.C.S. ENTRIES = ++PTF (LU03154)</p> <p>ENHANCEMENT: NEW OPTION: EXCEPTION VISIBILITY FOR RETIX</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>This enhancement introduces a new option for DBUTLTY RETIX processing. Unlike a LOAD, a RETIX does not set a non-zero condition code when duplicate keys exist for a table defined with one or more unique keys or a master key not allowing duplicates. With this enhancement a new option is introduced, which allows for a user-defined condition code to be set in case of such duplicates. The option is as follows:</p> <p>SET OPTION1=ENABLE_EXCEPTION_VISIBILITY=n</p> <p>Where n is the condition code to be set in case of a duplicate key exception and must be coded as 1, 2 or 3. Coding 0 turns off exception processing. For detailed documentation of this new option, refer to the release notes.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom/DB <span style="float: right;">Release 15.1</span></p> <p>Related Problem:</p> <p>DB 15064</p> <p>Copyright (C) 2021 CA. All rights reserved. R00956-DCM151-SP2</p> <p>DESC(ENHANCEMENT: NEW OPTION: EXCEPTION VISIBILITY FOR RETIX).</p> <p>++VER (Z038)</p> <p>FMID (CABDF10)</p> <p>PRE ( LU01370 LU02040 LU02338 LU02536 LU02807 R089666</p> <p>R090075 R090486 R090903 R091015 R092259 R092858</p> <p>R093647 R094095 R095761 R097700 R099532 R099997</p> <p>S003799 S003825 S005360 S005597 S006815 S008300</p> <p>S009367 S010748 S011403 )</p> <p>SUP ( LT03154 R091631 R093436 S003704 S007524 S010519</p> <p>S011673 S012632 S013593 S013667 S014818 ST03704</p> <p>ST07524 ST10519 ST11673 ST12632 ST13593 ST13667</p> <p>ST14818 TR91631 TR93436 )</p> <p>++HOLD (LU03154) SYSTEM FMID(CABDF10)</p> <p>REASON (DOC ) DATE (21305)</p> <p>COMMENT (</p> <p>+-----+</p> <p>  CA Datacom/DB <span style="float: right;">Release 15.1</span>  </p> <p>+-----+</p> <p>*****</p> <p>* PUBLICATION *</p> <p>*****</p> <p>Documentation for this new Enable Exception Visibility option included in this solution can be found in the Datacom Core - 15.1 TechDocs space, which can be found at the following link by carefully removing the imbedded blanks it contains:</p> <p><a href="https://techdocs.broadcom.com/us/en/ca-mainframe-software/database-management/ca-datacom/15-1/release-notes-and-product-information/ca-datacom-features.html">https://techdocs.broadcom.com/us/en/ca-mainframe-software/database-management/ca-datacom/15-1/release-notes-and-product-information/ca-datacom-features.html</a></p> <p>).</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| LU03295 | <p>LU03295 M.C.S. ENTRIES = ++PTF (LU03295)</p> <p>1000 RESTORE PROCESSES INVALID ENTRIES IN KEY TABLE</p> <p>PROBLEM DESCRIPTION:</p> <ol style="list-style-type: none"> <li>1. Performing a 1000 RESTORE via DDUPDATE can process bad key entries in the KEY table in Data-Dict. These bad key entries will contain a blank in the SEQUENCE_NUMBER. This is caused by some pre-existing 'bad' keys in said table.</li> <li>2. When copying a table to PROD, either explicitly or as part of a higher structure, a relationship orphan is created. This solution may also potentially prevent other types of orphans.</li> <li>3. ALIAS orphans were not being properly counted on an Orphan Report unless the DELETE option was used.</li> <li>4. Orphan Report returned a RC=0 even when you have found orphans.</li> </ol> <p>SYMPTOMS:</p> <ol style="list-style-type: none"> <li>1. The following ERROR can occur when attempting to add a key back because it is attempting to match on the invalid key:<br/>DDPVK30001 KEY RECORD NOT FOUND</li> <li>2. A relationship orphan is created.</li> <li>3. 'Orphans Found' would show '0' for ALIAS orphans.</li> <li>4. RC=0 when orphans are present in the Dictionary.</li> </ol> <p>IMPACT:</p> <ol style="list-style-type: none"> <li>1. The KEY entity cannot be added.</li> <li>2. Orphans can cause problems with future updates to DataDictionary causing them to fail. The problems that can arise are varied greatly.</li> <li>3. This could cause one to think that there are no ALIAS orphans that need deleting.</li> <li>4. A RC=0 is misleading when orphans are present and now gives a RC=4 as a warning indicator that orphans need to be deleted to ensure a healthy Dictionary.</li> </ol> <p>CIRCUMVENTION:</p> <ol style="list-style-type: none"> <li>1. None.</li> <li>2. Use DDUTILITY Orphan Report to find and delete existing orphans.</li> <li>3. None.</li> <li>4. None.</li> </ol> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom Datadictionary <span style="float: right;">Release 15.1</span></p> <p>Related Problem:</p> <p>DD 14866</p> <p>Copyright (C) 2021 CA. All rights reserved. R00960-DCM151-SP2</p> <p>DESC(1000 RESTORE PROCESSES INVALID ENTRIES IN KEY TABLE).</p> <p>++VER (Z038)</p> <p>FMID (CAADF10)</p> <p>SUP ( LT03295 R096346 S004529 ST04529 TR96342 TR96346 )</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| LU03297 | <p>LU03297 M.C.S. ENTRIES = ++PTF (LU03297)</p> <p>MUF CAN ABORT WITH A SOC1 IN DBBFWPR AFTER QUIECE RST</p> <p>PROBLEM DESCRIPTION:</p> <p>The Datacom/DB Multi-User Facility (MUF) may abort at or around offset X'A66' or offset X'A72' in module DBBFWPR. The problem seems to occur only if command QUIESCE RST is issued to reset the Log Record Sequence Number (LRSN) as explained in detail in the Datacom/DB Database Administration Guide.</p> <p>The problem is rare.</p> <p>SYMPTOMS:</p> <p>The MUF aborts with a SOC1 in module DBBFMPR at or around offset X'A66' or offset X'A72'.</p> <p>IMPACT:</p> <p>There is a MUF outage.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom/DB <span style="float: right;">Release 15.1</span></p> <p>Related Problem:</p> <p>DB 15151</p> <p>Copyright (C) 2021 CA. All rights reserved. R00961-DCM151-SP3</p> <p>DESC(MUF CAN ABORT WITH A SOC1 IN DBBFWPR AFTER QUIECE RST).</p> <p>++VER (Z038)</p> <p>FMID (CABDF10)</p> <p>PRE ( LU00290 LU01266 LU01940 R088863 R091404 R094001</p> <p>R097818 R099532 R099675 S000074 S004298 S006748</p> <p>S007233 S013716 S014507 S015871 )</p> <p>SUP ( AL00290 EC90081 LT02542 LT02623 LT03297 LU02542</p> <p>LU02623 R095277 R097723 TR95277 TR97723 )</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LU03383 | <p>LU03383 M.C.S. ENTRIES = ++PTF (LU03383)</p> <p>MXON DATADictionary TRACING TOOL SOC4 ABEND</p> <p>PROBLEM DESCRIPTION:</p> <p>Attempting to use -SET MXON to trace and diagnose Datadictionary results in a SOC4 ABEND.</p> <p>SYMPTOMS:</p> <p>SOC4 ABEND, Reason Code 10</p> <p>IMPACT:</p> <p>Job fails and does not produce any usable traces.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Datacom Datadictionary <span style="float: right;">Release 15.1</span></p> <p>Related Problem:</p> <p>DD 15246</p> <p>Copyright (C) 2021 CA. All rights reserved. R00963-DCM151-SP2</p> <p>DESC(MXON DATADictionary TRACING TOOL SOC4 ABEND).</p> <p>++VER (Z038)</p> <p>FMID (CAADF10)</p> <p>SUP ( LT03383 )</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LU03525 | <p>LU03525 M.C.S. ENTRIES = ++PTF (LU03525)</p> <p>INTERNAL ERROR (DBSERV ): TABLE OF DBID 1000 CLOSED</p> <p>PROBLEM DESCRIPTION:</p> <p>The Datacom Server JDBC driver issues calls to Datacom/DB to update the SRV_CLNTINFO dynamic system table via a java application using the Connection.setClientInfo method.</p> <p>SYMPTOMS:</p> <p>The JDBC client application throws an exception with the following error:</p> <p>INTERNAL ERROR (dbServ. LINE 0569): TABLE OF DBID 1000 CLOSED UNEXPECTEDLY</p> <p>IMPACT:</p> <p>The JDBC client application fails. Neither the Datacom Server mainframe (SVDBSPR) region nor the Datacom Multi-User Facility is affected.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>Datacom/DB Release 15.1</p> <p>Datacom SQL Release 15.1</p> <p>Datacom Server Release 15.0</p> <p>Related Problem:</p> <p>DB 15337</p> <p>Copyright (C) 2021 CA. All rights reserved. R00966-DCM151-SP3</p> <p>DESC (INTERNAL ERROR (DBSERV ): TABLE OF DBID 1000 CLOSED).</p> <p>++VER (Z038)</p> <p>FMID (CABDF10)</p> <p>PRE ( LU00047 LU01370 R088469 R088863 R090075 R090903<br/>R091632 R092259 R093647 R094095 R096133 R096852<br/>R097818 R098364 S008300 S008500 S008926 S009648<br/>S011906 S012178 S014067 S014095 )</p> <p>SUP ( AS14095 LT02022 LT03525 LU02022 SC90081 S003985<br/>S007008 S010261 S016086 ST03985 ST07008 ST10261<br/>ST13837 ST16086 )</p> <p>MCS LU02152 STARTS ON PAGE 0002</p> <p>MCS LU02404 STARTS ON PAGE 0003</p> <p>MCS LU02878 STARTS ON PAGE 0003</p> <p>MCS LU02882 STARTS ON PAGE 0006</p> <p>MCS LU02899 STARTS ON PAGE 0006</p> <p>MCS LU03154 STARTS ON PAGE 0008</p> <p>MCS LU03295 STARTS ON PAGE 0009</p> <p>MCS LU03297 STARTS ON PAGE 0010</p> <p>MCS LU03383 STARTS ON PAGE 0011</p> <p>MCS LU03525 STARTS ON PAGE 0012</p> |

Datacom/AD 15.1  
CA RS 2112 Product/Component Listing

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| Product Family                                               | Product       | Release  |
|--------------------------------------------------------------|---------------|----------|
| Database                                                     | CA DATACOM/AD | 15.01.00 |
|                                                              | CA IPC        | 15.01.00 |
|                                                              | CA DATACOM    | 15.00.00 |
| The CA RS 2112 Product/Component Count for this release is 3 |               |          |

Datacom/AD 15.1  
All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
| CAR2112     | LU03525 | CABDF10 |
|             | LU03383 | CAADF10 |
|             | LU03297 | CABDF10 |
|             | LU03295 | CAADF10 |
|             | LU03154 | CABDF10 |
|             | LU02899 | CAYTF02 |
|             | LU02882 | CAYTF00 |
|             | LU02878 | CAVEF10 |
|             | LU02404 | CAVEF10 |
|             | LU02152 | CAVEF10 |
|             | LU03070 | CABDF10 |
|             | LU02970 | CABDF10 |
|             | LU02943 | CABDF10 |
| CAR2111     | LU02910 | CABDF10 |
|             | LU02898 | CAVEF10 |
|             | LU02879 | CAVEF10 |
|             | LU02864 | CABDF10 |
|             | LU02645 | CAVEF10 |
|             | LU02807 | CABDF10 |
|             | LU02698 | CAVEF10 |
|             | LU02647 | CAVEF10 |
| CAR2110     | LU02640 | CAVEF10 |
|             | LU02623 | CABDF10 |
|             | LU02610 | CAADF10 |
|             | LU02536 | CABDF10 |
|             | LU02338 | CABDF10 |
|             | LU02239 | CAVEF10 |
|             | LU02159 | CAYTF00 |
|             | LU01433 | CAYTF00 |
|             | LU02542 | CABDF10 |
|             | LU02435 | CABDF10 |
|             | LU02418 | CABDF10 |
|             | LU02318 | CAADF10 |
| CAR2109     | LU02248 | CABDF10 |
|             | LU02040 | CABDF10 |
|             | LU01216 | CAVEF10 |
|             | LU02221 | CABDF10 |
|             | LU02170 | CABDF10 |
|             | LU02134 | CABDF10 |
| CAR2108     | LU02107 | CABDF10 |
|             | LU02078 | CAADF10 |
|             | LU02022 | CABDF10 |
|             | LU01970 | CABDF10 |
|             | LU01940 | CABDF10 |
|             | LU01916 | CABDF10 |
|             | LU01915 | CABDF10 |
|             | LU01863 | CABDF10 |

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All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | LU01736 | CAYTF00 |
|             | LU01677 | CABDF10 |
|             | LU01651 | CABDF10 |
|             | LU01619 | CAYTF02 |
|             | 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 |
|             | 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 |
|             | LU00463 | CAYTF00 |
|             | LU00231 | CAYTF02 |
| CAR2105     | SO15660 | CABDF10 |
|             | LU01022 | CAADF10 |
|             | LU00985 | CAVEF10 |
|             | LU00984 | CABDF10 |
|             | LU00981 | CAVEF10 |
|             | LU00977 | CAYTF00 |
|             | LU00692 | CABDF10 |
|             | LU00602 | CAVEF10 |
|             | LU00472 | CAADF10 |
|             | LU00425 | CAVEF10 |

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All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | LU00354 | CAVEF10 |
|             | LU00105 | CAVEF10 |
|             | LU00065 | CAVEF10 |
| CAR2104     | LU00668 | CAVQF10 |
|             | 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 |
|             | SO16056 | CAYTF00 |
|             | 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 |

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All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S015521 | CABDF10 |
|             | S015490 | CAADF10 |
|             | S015425 | CAVEF10 |
|             | S015342 | CAVEF10 |
|             | S015292 | CABDF10 |
|             | S014980 | CABDF10 |
| CAR2011     | S015298 | CAYTF00 |
|             | S015286 | CAADF10 |
|             | S015224 | CAVEF10 |
|             | S015186 | CABDF10 |
|             | S015165 | CAVEF10 |
|             | S015083 | CAYTF02 |
|             | S015082 | CAYTF00 |
|             | S014998 | CABDF10 |
|             | S014851 | CAADF10 |
|             | S014825 | CAVEF10 |
|             | S014818 | CABDF10 |
|             | S014813 | CAVEF10 |
|             | S014667 | CAVEF10 |
|             | S014578 | CAVEF10 |
|             | S014423 | CAVEF10 |
|             | S014067 | CABDF10 |
| CAR2010     | S015008 | CABDF10 |
|             | S014957 | CAAXF10 |
|             | 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 |
|             | S014296 | CABDF10 |
|             | S014256 | CABDF10 |
|             | S014169 | CABDF10 |

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All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S014147 | CAVEF10 |
|             | S014105 | CAVEF10 |
|             | S014079 | CABDF10 |
|             | S013992 | CAVEF10 |
|             | S013892 | CAVEF10 |
|             | S011882 | CABDF10 |
|             | S011872 | CAAXF10 |
| CAR2008     | S014115 | CABDF10 |
|             | S014070 | CABDF10 |
|             | S014068 | CAVEF10 |
|             | S013991 | CABDF10 |
|             | S013902 | CAVEF10 |
|             | S013882 | CABDF10 |
|             | S013810 | CAADF10 |
|             | S013788 | CAVQF10 |
|             | S013742 | CAVEF10 |
|             | S013740 | CABDF10 |
|             | S013739 | CAVEF10 |
|             | S013716 | CABDF10 |
|             | S013630 | CAVEF10 |
|             | S013594 | CABDF10 |
|             | S013581 | CABDF10 |
|             | S013544 | CAVEF10 |
|             | S013526 | CAVEF10 |
|             | S013448 | CAAXF10 |
|             | 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 |
|             | R072189 | CAYTF00 |
|             | R070316 | CAYTF00 |
|             | R069811 | CAYTF00 |
|             | R069282 | CAYTF00 |
|             | R069183 | CAYTF00 |
|             | R069180 | CAYTF00 |
|             | R068064 | CAYTF00 |

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All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
| 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 |
|             | S012632 | CABDF10 |
|             | S012601 | CAVEF10 |
|             | S012557 | CAVEF10 |
|             | S012504 | CAVEF10 |
|             | S012497 | CAVEF10 |
|             | S012203 | CABDF10 |
|             | S012178 | CABDF10 |
|             | S011951 | CABDF10 |
| CAR2004     | S012202 | CAADF10 |
|             | S012165 | CABDF10 |
|             | S012048 | CABDF10 |
|             | S011975 | CABDF10 |
|             | S011629 | CAVEF10 |
|             | S011348 | CAVEF10 |
| CAR2003     | S012082 | CAVQF10 |
|             | 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 |

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All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S011192 | CAVEF10 |
|             | S010960 | CAVEF10 |
|             | S010870 | CABDF10 |
|             | S010702 | CAVEF10 |
|             | S009941 | CAYTF00 |
| CAR2001     | S011278 | CABDF10 |
|             | S011244 | CABDF10 |
|             | S010748 | CABDF10 |
|             | S010720 | CABDF10 |
|             | S010697 | CABDF10 |
| CAR1912     | S010776 | CABDF10 |
|             | S010727 | CABDF10 |
|             | S010624 | CABDF10 |
|             | S010580 | CABDF10 |
|             | S010571 | CABDF10 |
|             | S010439 | CABDF10 |
|             | 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 |

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All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | 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 |
|             | S008666 | CAYTF00 |
|             | 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 |
|             | S008110 | CAYTF00 |
|             | S008017 | CAVEF10 |
| CAR1906     | S008545 | CAADF10 |
|             | S008500 | CABDF10 |
|             | S008458 | CAVQF10 |
|             | S008300 | CABDF10 |
|             | S008181 | CABDF10 |
|             | S008120 | CABDF10 |
|             | S008032 | CABDF10 |
|             | S007557 | CAVEF10 |
|             | S007544 | CAVEF10 |
| CAR1905     | S008152 | CABDF10 |
|             | S007948 | CABDF10 |
|             | S007923 | CABDF10 |
|             | S007900 | CABDF10 |
|             | S007867 | CAVQF10 |

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All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S007846 | CABDF10 |
|             | S007835 | CABDF10 |
|             | S007533 | CAYTF02 |
|             | 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 |
| 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 |
|             | S007076 | CAVQF10 |
|             | S006840 | CABDF10 |
|             | S006815 | CABDF10 |
|             | S006692 | CABDF10 |
|             | S006665 | CAYTF02 |
|             | S006664 | CAYTF00 |

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All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S006613 | CABDF10 |
|             | S006547 | CABDF10 |
|             | S006404 | CABDF10 |
|             | S005865 | CAYTF02 |
| 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 |
| CAR1812     | S006314 | CABDF10 |
|             | S006231 | CAVEF10 |
|             | S006217 | CABDF10 |
|             | S006174 | CAVEF10 |
|             | 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 |

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| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S005278 | CABDF10 |
|             | S005096 | CAYTF02 |
|             | S005095 | CAYTF00 |
| 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 |
|             | S005085 | CAVQF10 |
|             | S004938 | CABDF10 |
|             | S004931 | CABDF10 |
|             | S004867 | CAVEF10 |
|             | S004565 | CABDF10 |
| CAR1809     | S005129 | CABDF10 |
|             | S004997 | CABDF10 |
|             | S004978 | CABDF10 |
|             | S004969 | CAVEF10 |
|             | S004927 | CAVEF10 |
|             | S004889 | CAVEF10 |
|             | S004849 | CAVEF10 |
|             | S004783 | CABDF10 |
|             | S004745 | CABDF10 |
|             | S004559 | CABDF10 |
|             | S004538 | CABDF10 |
|             | S004485 | CAADF10 |
|             | S003799 | CABDF10 |
|             | S003704 | CABDF10 |
|             | S003692 | CABDF10 |
| CAR1808     | S004646 | CAYTF00 |
|             | S004357 | CAVEF10 |
|             | S004298 | CABDF10 |
|             | S004243 | CAVEF10 |
|             | S004197 | CAVEF10 |
|             | S004157 | CAADF10 |
|             | S004152 | CAVEF10 |
|             | S004151 | CABDF10 |
|             | S004095 | CABDF10 |
|             | S004057 | CABDF10 |
|             | S003985 | CABDF10 |
|             | S003866 | CABDF10 |

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| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S003827 | CABDF10 |
|             | S001837 | CABDF10 |
|             | S001707 | CAYTF00 |
|             | S000289 | CAYTF02 |
|             | S000288 | CAYTF00 |
|             | R099018 | CAYTF00 |
| 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     | S001909 | CAVQF10 |
|             | S001888 | CABDF10 |
|             | S001724 | CABDF10 |
|             | S001708 | CABDF10 |
|             | S001597 | CABDF10 |
|             | S001569 | CABDF10 |
|             | S001512 | CAVEF10 |
|             | S001439 | CABDF10 |
|             | S001350 | CAVEF10 |
|             | S001277 | CABDF10 |
|             | S001215 | CABDF10 |
|             | S000956 | CAVEF10 |
|             | S000902 | CAVEF10 |
|             | S000890 | CAVEF10 |
|             | S000167 | CABDF10 |
| CAR1805     | S001443 | CABDF10 |
|             | S001390 | CABDF10 |
|             | S001230 | CABDF10 |
|             | S001226 | CABDF10 |
|             | S001212 | CABDF10 |
|             | S001184 | CABDF10 |
|             | S001151 | CAVQF10 |
|             | S000426 | CAVEF10 |
| CAR1804     | S000922 | CABDF10 |
|             | S000629 | CABDF10 |
|             | S000074 | CABDF10 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | 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 |
|             | R099840 | CAYTF02 |
|             | R099839 | CAYTF00 |
|             | R099738 | CABDF10 |
|             | R099737 | CABDF10 |
|             | R099516 | CABDF10 |
|             | R099067 | CABDF10 |
| CAR1801     | R099675 | CABDF10 |
|             | R099532 | CABDF10 |
|             | R099390 | CABDF10 |
|             | R099352 | CABDF10 |
|             | R099100 | CABDF10 |
| CAR1712     | R099168 | CAVEF10 |
|             | R099051 | CAVEF10 |
|             | R099007 | CAVEF10 |
|             | R098973 | CABDF10 |
|             | R098926 | CABDF10 |
|             | R098879 | CABDF10 |
|             | R098846 | CABDF10 |
|             | R098800 | CABDF10 |
|             | R098737 | CABDF10 |
|             | R098604 | CABDF10 |
|             | R098085 | CABDF10 |
|             | R098045 | CAYTF02 |
|             | R097050 | CAYTF02 |
|             | R097049 | CAYTF00 |
|             | R095900 | CAYTF00 |
| CAR1711     | R098683 | CABDF10 |
|             | R098636 | CAADF10 |
|             | R098593 | CABDF10 |
|             | R098521 | CAVEF10 |
|             | R098426 | CABDF10 |
|             | R098417 | CABDF10 |
|             | R098393 | CABDF10 |

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| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R098364 | CABDF10 |
|             | R098348 | CABDF10 |
|             | R098249 | CABDF10 |
|             | R098231 | CAADF10 |
|             | R098220 | CABDF10 |
|             | R098142 | CABDF10 |
|             | R098059 | CABDF10 |
| CAR1710     | R098254 | CAYTF00 |
|             | 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 |
|             | R097467 | CAVQF10 |
|             | R097460 | CAADF10 |
|             | 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 |

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| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R096949 | CAADF10 |
|             | R096852 | CABDF10 |
|             | R096824 | CABDF10 |
|             | R096821 | CABDF10 |
|             | R096806 | CABDF10 |
|             | R096769 | CABDF10 |
|             | R096719 | CABDF10 |
|             | R096617 | CABDF10 |
|             | R096370 | CABDF10 |
| CAR1707     | R096707 | CAYTF02 |
|             | R096568 | CABDF10 |
|             | R096537 | CAADF10 |
|             | R096499 | CABDF10 |
|             | R096447 | CABDF10 |
|             | R096440 | CABDF10 |
|             | R096426 | CABDF10 |
|             | R096420 | CABDF10 |
|             | R096403 | CABDF10 |
|             | R096260 | CABDF10 |
|             | R096191 | CABDF10 |
|             | R095487 | CAADF10 |
| CAR1706     | R096346 | CAADF10 |
|             | R096313 | CABDF10 |
|             | R096312 | CABDF10 |
|             | R096304 | CAADF10 |
|             | R096300 | CABDF10 |
|             | R096257 | CAADF10 |
|             | R096252 | CABDF10 |
|             | R096213 | CABDF10 |
|             | R096204 | CABDF10 |
|             | R096133 | CABDF10 |
|             | 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 |
|             | R095609 | CAVEF10 |
|             | R095548 | CABDF10 |
|             | R095352 | CAVEF10 |
|             | R095305 | CABDF10 |

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| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R095277 | CABDF10 |
|             | R095235 | CAVEF10 |
|             | R095037 | CABDF10 |
|             | R094176 | CABDF10 |
| CAR1704     | R095080 | CABDF10 |
|             | R094912 | CABDF10 |
|             | R094907 | CABDF10 |
|             | R094783 | CABDF10 |
|             | R094696 | CAVEF10 |
|             | R094632 | CABDF10 |
| CAR1703     | R094324 | CAVEF10 |
|             | R094280 | CABDF10 |
|             | R094247 | CAVEF10 |
|             | R093821 | CAVEF10 |
|             | R093677 | CAVEF10 |
|             | R093613 | CAVEF10 |
| CAR1702     | R094095 | CABDF10 |
|             | R094090 | CABDF10 |
|             | R094085 | CABDF10 |
|             | R094001 | CABDF10 |
|             | R094000 | CABDF10 |
|             | R093647 | CABDF10 |
|             | R093616 | CABDF10 |
|             | R093587 | CABDF10 |
|             | R093585 | CABDF10 |
|             | R093486 | CAYTF00 |
| CAR1701     | R093666 | CAVEF10 |
|             | R093560 | CAVEF10 |
|             | R093454 | CABDF10 |
|             | R093450 | CABDF10 |
|             | R093436 | CABDF10 |
|             | R093373 | CAADF10 |
|             | R093324 | CAVEF10 |
|             | R093251 | CABDF10 |
|             | R093201 | CABDF10 |
|             | R093127 | CABDF10 |
|             | R093092 | CABDF10 |
|             | R092954 | CABDF10 |
|             | R092864 | CAVEF10 |
|             | R092858 | CABDF10 |
|             | R092736 | CAADF10 |
|             | R092663 | CAYTF02 |
|             | R092600 | CABDF10 |
|             | R092507 | CAADF10 |
|             | R092441 | CABDF10 |
|             | R092436 | CABDF10 |
|             | R092398 | CABDF10 |

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| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R092282 | CAVEF10 |
|             | R092277 | CABDF10 |
|             | R092259 | CABDF10 |
|             | R092243 | CABDF10 |
|             | R092173 | CAVEF10 |
|             | R092064 | CAVEF10 |
|             | R092009 | CAVEF10 |
|             | R091992 | CAVEF10 |
|             | R091930 | CAVEF10 |
|             | R091845 | CABDF10 |
|             | R091732 | CABDF10 |
|             | R091729 | CAVQF10 |
|             | 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 |
|             | 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 |
|             | R090607 | CAVQF10 |
|             | R090586 | CABDF10 |
|             | R090535 | CABDF10 |
|             | R090486 | CABDF10 |
|             | R090414 | CAVQF10 |
|             | R090397 | CABDF10 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R090276 | CABDF10 |
|             | R090216 | CAVEF10 |
|             | R090197 | CABDF10 |
|             | R090182 | CABDF10 |
|             | R090179 | CABDF10 |
|             | R090156 | CAVEF10 |
|             | R090155 | CAVEF10 |
|             | R090075 | CABDF10 |
|             | R090074 | CAADF10 |
|             | R090065 | CABDF10 |
|             | R090044 | CAVEF10 |
|             | R089985 | CAVQF10 |
|             | R089915 | CAVQF10 |
|             | R089842 | CAVEF10 |
|             | R089839 | CAVEF10 |
|             | R089666 | CABDF10 |
|             | R089594 | CAVQF10 |
|             | R089559 | CABDF10 |
|             | R089521 | CAVEF10 |
|             | R089520 | CAVEF10 |
|             | R088863 | CABDF10 |
|             | R088617 | CAVEF10 |
|             | R088611 | CAVEF10 |
|             | R088550 | CAVEF10 |
|             | R088530 | CABDF10 |
|             | R088480 | CAVEF10 |
|             | R088479 | CAVEF10 |
|             | R088475 | CAVEF10 |
|             | R088469 | CABDF10 |
| CAR1608     | R089160 | CAYTF02 |
|             | R089159 | CAYTF00 |
| CAR1605     | R089016 | CAYTF02 |
| CAR1604     | R088157 | CAYTF02 |
|             | R088156 | CAYTF00 |
|             | R087666 | CAYTF02 |
| CAR1602     | R081768 | CAYTF02 |
|             | R079335 | CAYTF02 |
|             | R079251 | CAYTF02 |
|             | R076353 | CAYTF02 |
|             | R074101 | CAYTF02 |
|             | R073679 | CAYTF02 |
| CAR1507     | R081721 | CAYTF00 |
| CAR1506     | R080137 | CAYTF00 |
| CAR1505     | R079334 | CAYTF00 |
| CAR1504     | R079250 | CAYTF00 |
| CAR1411     | R073785 | CAYTF00 |
|             | R073508 | CAYTF00 |