

Common Services for z/OS 15.0  
CA RS 2303 Service List

| Service                                            | Description                                                | Type      |
|----------------------------------------------------|------------------------------------------------------------|-----------|
| LU07103                                            | CCS IDT FOR ZOWE V1.0.0                                    | PTF       |
| LU08595                                            | JAVA API FOR FEATURE REGISTRATION SERVICE                  | PTF       |
| LU08836                                            | FEATURE REGISTRATION SERVICE - SUPPORT UNLICENSED PRODUCTS | PTF       |
| LU09045                                            | SOC4 ABEND IN CASEJBFL WHEN PROCESSING ICH408I MESSAGE     | PTF       |
| LU09123                                            | SECURITY OR INTEGRITY PROBLEM                              | ** PRP ** |
| The CA RS 2303 service count for this release is 5 |                                                            |           |

Common Services for z/OS  
CA RS 2303 Service List for CAS9F00

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| FMID                                            | Service | Description                                                | Type |
|-------------------------------------------------|---------|------------------------------------------------------------|------|
| CAS9F00                                         | LU08836 | FEATURE REGISTRATION SERVICE - SUPPORT UNLICENSED PRODUCTS | PTF  |
| The CA RS 2303 service count for this FMID is 1 |         |                                                            |      |

Common Services for z/OS  
CA RS 2303 Service List for CAW1F00

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| FMID                                            | Service | Description                                            | Type |
|-------------------------------------------------|---------|--------------------------------------------------------|------|
| CAW1F00                                         | LU09045 | SOC4 ABEND IN CASEJBFL WHEN PROCESSING ICH408I MESSAGE | PTF  |
| The CA RS 2303 service count for this FMID is 1 |         |                                                        |      |

Common Services for z/OS  
CA RS 2303 Service List for CBUJE00

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| FMID                                            | Service | Description                   | Type      |
|-------------------------------------------------|---------|-------------------------------|-----------|
| CBUJE00                                         | LU09123 | SECURITY OR INTEGRITY PROBLEM | ** PRP ** |
| The CA RS 2303 service count for this FMID is 1 |         |                               |           |

Common Services for z/OS  
CA RS 2303 Service List for CFF6F00

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| FMID                                            | Service | Description                               | Type |
|-------------------------------------------------|---------|-------------------------------------------|------|
| CFF6F00                                         | LU07103 | CCS IDT FOR ZOWE V1.0.0                   | PTF  |
|                                                 | LU08595 | JAVA API FOR FEATURE REGISTRATION SERVICE | PTF  |
| The CA RS 2303 service count for this FMID is 2 |         |                                           |      |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LU07103 | <p>LU07103 M.C.S. ENTRIES = ++PTF (LU07103) REWORK(2023037)</p> <p>CCS IDT FOR ZOWE V1.0.0</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>CCS IDT for Zowe enables the usages of the CCS SAF Service provided by Broadcom for the generation of the SAF Identity tokens within Zowe API Mediation Layer.</p> <p>Main benefits:</p> <ol style="list-style-type: none"> <li>1) Performance improvements compared to Open Source solution</li> <li>2) Stability improvements for large amounts of concurrent users</li> </ol> <p>PRODUCT(S) AFFECTED:</p> <p>JAVA to z/OS Service Version 15.0</p> <p>Related Problem:</p> <p>JAVA2Z 18100</p> <p>(C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>R00277-AW0150</p> <p>DESC(CCS IDT FOR ZOWE V1.0.0).</p> <p>++VER (Z038)</p> <p>FMID (CFF6F00)</p> <p>PRE ( LU05159 )</p> <p>SUP ( LT07103 )</p> <p>LINK('./misc/idt4zowe/bin/ccs-idt-package.zip')</p> <p>PARM(PATHMODE(0,7,7,5)) SHSCRIPT(IDZMKDIR,PRE).</p> <p>PARM(PATHMODE(0,7,7,7)).</p> <p>PARM(PATHMODE(0,7,7,5)).</p> |

| Service | Details                                                               |                                                    |
|---------|-----------------------------------------------------------------------|----------------------------------------------------|
| LU08595 | LU08595 M.C.S. ENTRIES = ++PTF (LU08595) REWORK(2023052)              |                                                    |
|         | JAVA API FOR FEATURE REGISTRATION SERVICE                             |                                                    |
|         | ENHANCEMENT DESCRIPTION:                                              |                                                    |
|         | This PTF provides a Java interface that is used by                    |                                                    |
|         | Broadcom products to use the CCS Feature Registration Service (FRS).  |                                                    |
|         | The Feature Registration Service is delivered and initialized as part |                                                    |
|         | of the CAIRIM component.                                              |                                                    |
|         | IMPLEMENTATION INSTRUCTIONS:                                          |                                                    |
|         | 1. Apply PTF with SMP/E and deploy CAW0PLD as per installation        |                                                    |
|         | standards.                                                            |                                                    |
|         | 2. If CAW0PLD is in LNKLST, refresh with command 'F LLA,REFRESH'.     |                                                    |
|         | 3. Deploy jfrs.jar file by running the J2ZDPLOY job, followed         |                                                    |
|         | by the J2ZMOUNT job.                                                  |                                                    |
|         | PRODUCT(S) AFFECTED:                                                  |                                                    |
|         | JAVA to z/OS Service                                                  | Version 15.0                                       |
|         | Related Problem:                                                      |                                                    |
|         | JAVA2Z 19009                                                          |                                                    |
|         | (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved    |                                                    |
|         | R00292-AW0150                                                         |                                                    |
|         | DESC(JAVA API FOR FEATURE REGISTRATION SERVICE).                      |                                                    |
|         | ++VER (Z038)                                                          |                                                    |
|         | FMID (CFF6F00)                                                        |                                                    |
|         | PRE ( LU05159 )                                                       |                                                    |
|         | SUP ( LT08263 LT08531 LT08595 )                                       |                                                    |
|         | ++IF FMID(CAS9F00) REQ( LU08836 ).                                    |                                                    |
|         | ++HOLD (LU08595) SYSTEM FMID(CFF6F00)                                 |                                                    |
|         | REASON (ACTION )                                                      | DATE (23052)                                       |
|         | COMMENT (                                                             |                                                    |
|         | +-----+                                                               |                                                    |
|         | JAVA to z/OS Service                                                  | Version 15.0                                       |
|         | +-----+                                                               |                                                    |
|         | SEQUENCE                                                              | AFTER APPLY                                        |
|         | +-----+                                                               |                                                    |
|         | PURPOSE                                                               | To support Broadcom product usage of JFRS library. |
|         | +-----+                                                               |                                                    |
|         | USERS                                                                 | All users of CCS.                                  |
|         | AFFECTED                                                              |                                                    |
|         | +-----+                                                               |                                                    |
|         | KNOWLEDGE                                                             | z/OS USS                                           |
|         | REQUIRED                                                              |                                                    |
|         | +-----+                                                               |                                                    |
|         | ACCESS                                                                | Ability to run J2ZDEPLOY and J2ZMOUNT jobs.        |
|         | REQUIRED                                                              |                                                    |
|         | +-----+                                                               |                                                    |
|         | *****                                                                 |                                                    |
|         | * STEPS TO PERFORM *                                                  |                                                    |
|         | *****                                                                 |                                                    |
|         | 1. After applying PTF with SMP/E, deploy updated CAW0PLD as per       |                                                    |
|         | installation standards.                                               |                                                    |
|         | 2. If CAW0PLD is in LNKLST, refresh with command 'F LLA,REFRESH'.     |                                                    |
|         | 3. Deploy jfrs.jar file by running the J2ZDPLOY job, followed         |                                                    |

| Service | Details                    |
|---------|----------------------------|
|         | by the J2ZMOUNT job.<br>). |

Common Services for z/OS 15.0  
CA RS 2303 - PTF LU08836 Details

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| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LU08836 | <p>LU08836 M.C.S. ENTRIES = ++PTF (LU08836) REWORK(2023041)</p> <p>FEATURE REGISTRATION SERVICE - SUPPORT UNLICENSED PRODUCTS</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>The CCS Feature Registration Service will allow unlicensed products to exploit its functionality.</p> <p>ENHANCEMENT ENABLEMENT:</p> <p>Deploy updated CAW0LINK, refresh LLA (if necessary), and issue command:<br/>SETPROG LPA,ADD,MODNAME=CAS9RLPA,DSN=LNKLST,FIXED,PAGEPROTALL</p> <p>PRODUCT(S) AFFECTED:</p> <p>Resource Initialization Manager(Comm) Version 15.0</p> <p>Related Problem:</p> <p>CAIRIM 19065</p> <p>(C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>R00299-AW0150</p> <p>DESC(FEATURE REGISTRATION SERVICE - SUPPORT UNLICENSED PRODUCTS).</p> <p>++VER (Z038)</p> <p>FMID (CAS9F00)</p> <p>PRE ( LU01130 LU03516 LU05108 LU05157 S015973 )</p> <p>SUP ( LT08836 )</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LU09045 | <p>LU09045 M.C.S. ENTRIES = ++PTF (LU09045) REWORK(2023053)</p> <p>SOC4 ABEND IN CASEJBFL WHEN PROCESSING ICH408I MESSAGE</p> <p>PROBLEM DESCRIPTION:</p> <p>Upon processing the ICH408I message in CASEJBFL+X'1018', a SOC4-11 can occur.</p> <p>SYMPTOMS:</p> <p>An abend will occur and a dump will be produced.</p> <p>IMPACT:</p> <p>None.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CAIENF <span style="float: right;">Version 15.0</span></p> <p>PROBLEM RESOLUTION:</p> <p>APPLY PTF with SMP/E and deploy CAWOLOAD as per installation standards. Refresh LLA if necessary 'F LLA,REFRESH'.</p> <p>Issue the command 'F ENF,REFRESH(CASESSI)' or restart ENF with the command 'S ENF,,,REINIT'</p> <p>Related Problem:</p> <p>ENF 19609</p> <p>(C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>R00300-AW0150</p> <p>DESC(SOC4 ABEND IN CASEJBFL WHEN PROCESSING ICH408I MESSAGE).</p> <p>++VER (Z038)</p> <p>FMID (CAW1F00)</p> <p>PRE ( LU05158 )</p> <p>SUP ( LT09045 )</p> |

| Service | Details                                                                                                                                                                                                                                                                       |                             |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| LU09123 | LU09123 M.C.S. ENTRIES = ++PTF (LU09123) REWORK(2023052)                                                                                                                                                                                                                      |                             |
|         | SECURITY OR INTEGRITY PROBLEM                                                                                                                                                                                                                                                 |                             |
|         | PROBLEM DESCRIPTION:                                                                                                                                                                                                                                                          |                             |
|         | Security or Integrity Problem.                                                                                                                                                                                                                                                |                             |
|         | For more details access Security Advisories using the following URL:<br>support.broadcom.com/security-advisory/security-advisories-list.html                                                                                                                                  |                             |
|         | Broadcom recommends that you subscribe to notifications for Security Advisories for the associated products that you support in your organization. Please use the following URL to register for proactive notifications: https://support.broadcom.com/user/notifications.html |                             |
|         | SYMPTOMS:                                                                                                                                                                                                                                                                     |                             |
|         | N/A                                                                                                                                                                                                                                                                           |                             |
|         | IMPACT:                                                                                                                                                                                                                                                                       |                             |
|         | Security or Integrity Problem.                                                                                                                                                                                                                                                |                             |
|         | CIRCUMVENTION:                                                                                                                                                                                                                                                                |                             |
|         | N/A                                                                                                                                                                                                                                                                           |                             |
|         | PRODUCT(S) AFFECTED:                                                                                                                                                                                                                                                          |                             |
|         | L-Serv (Common component w/TNG Framework                                                                                                                                                                                                                                      | Release 14.0                |
|         | Related Problem:                                                                                                                                                                                                                                                              |                             |
|         | LSERV 19554                                                                                                                                                                                                                                                                   |                             |
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|         | R00043-BUJ140                                                                                                                                                                                                                                                                 |                             |
|         | DESC (SECURITY OR INTEGRITY PROBLEM).                                                                                                                                                                                                                                         |                             |
|         | ++VER (Z038)                                                                                                                                                                                                                                                                  |                             |
|         | FMID (CBLUE00)                                                                                                                                                                                                                                                                |                             |
|         | PRE ( LU06907 LU07227 R093330 )                                                                                                                                                                                                                                               |                             |
|         | SUP ( AC12598 CC12598 LT00348 LT03756 LT09123 LU00348 LU03756                                                                                                                                                                                                                 |                             |
|         | R092036 S012649 ST12609 ST12649 TR92036 )                                                                                                                                                                                                                                     |                             |
|         | MCS                                                                                                                                                                                                                                                                           | LU07103 STARTS ON PAGE 0002 |
|         | MCS                                                                                                                                                                                                                                                                           | LU08595 STARTS ON PAGE 0002 |
|         | MCS                                                                                                                                                                                                                                                                           | LU08836 STARTS ON PAGE 0004 |
|         | MCS                                                                                                                                                                                                                                                                           | LU09045 STARTS ON PAGE 0005 |
|         | MCS                                                                                                                                                                                                                                                                           | LU09123 STARTS ON PAGE 0005 |

Common Services for z/OS 15.0  
CA RS 2303 Product/Component Listing

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| Product Family                                               | Product                         | Release  |
|--------------------------------------------------------------|---------------------------------|----------|
| Traditional Management                                       | CCS JAVA TO Z/OS SERVICE        | 15.00.00 |
|                                                              | EVENT NOTIFICATION FACILITY     | 15.00.00 |
|                                                              | RESOURCE INITIALIZATION MANAGER | 15.00.00 |
|                                                              | CA-GLOBAL SUBSYSTEM FOR MVS     | 14.00.00 |
|                                                              | CA-GREXX COMMON COMPONENT       | 14.00.00 |
|                                                              | COMMON SERVICES                 | 14.00.00 |
|                                                              | CROSS PLATFORM COMMON COMPONENT | 14.00.00 |
| The CA RS 2303 Product/Component Count for this release is 7 |                                 |          |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
| CAR2303     | LU09123 | CBUJE00 |
|             | LU09045 | CAW1F00 |
|             | LU08836 | CAS9F00 |
|             | LU08595 | CFF6F00 |
|             | LU07103 | CFF6F00 |
| CAR2302     | LU08728 | CFF6F00 |
|             | LU08714 | CAS9F00 |
|             | LU08660 | CFF6F00 |
|             | LU08629 | CAS9F00 |
|             | LU08476 | CFF6F00 |
|             | LU08229 | CBYSE00 |
| CAR2301     | LU08112 | CAS9F00 |
|             | LU08065 | CFF6F00 |
|             | LU07335 | CAW1F00 |
|             | LU04854 | CAW1F00 |
| CAR2211     | LU07817 | CAW1F00 |
|             | LU07686 | CFF6F00 |
|             | LU07456 | CFF6F00 |
|             | LU07250 | CFF6F00 |
|             | LU07249 | CAS9F00 |
|             | LU07030 | CAS9F00 |
|             | LU06739 | CAS9F00 |
| CAR2210     | LU07227 | CBUJE00 |
|             | LU05199 | CCF9E00 |
|             | LU00564 | CAS9F00 |
| CAR2209     | LU06907 | CBUJE00 |
|             | LU06835 | CAS9F00 |
|             | LU06720 | CFF6F00 |
|             | LU06324 | CBUJE00 |
|             | LU05076 | CBYSE00 |
| CAR2208     | LU06659 | CAS9F00 |
|             | LU06560 | CAS9F00 |
|             | LU06495 | CAS9F00 |
|             | LU06320 | CAS9F00 |
|             | LU06316 | CAW1F00 |
|             | LU05923 | CAS9F00 |
|             | LU05750 | CAW1F00 |
|             | LU05531 | CAS9F00 |
|             | LU05108 | CAS9F00 |
| CAR2207     | S014576 | CAW1F00 |
|             | LU06135 | CAW1F00 |
|             | LU06029 | CFF6F00 |
|             | LU05792 | CAS9F00 |
|             | LU05724 | CAS9F00 |
|             | LU05527 | CAS9F00 |
|             | LU05332 | CAS9F00 |
| CAR2206     | LU05666 | CAS9F00 |

Common Services for z/OS 15.0  
All CA RS Levels Service List

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | LU05637 | CAS9F00 |
|             | LU05566 | CAW1F00 |
| CAR2205     | LU05510 | CAW1F00 |
|             | LU05509 | CAS9F00 |
|             | LU05476 | CAW1F00 |
|             | LU05449 | CFF6F00 |
|             | LU05368 | CFF6F00 |
|             | LU05264 | CAW1F00 |
|             | LU04911 | CAS9F00 |
| CAR2204     | LU05159 | CFF6F00 |
|             | LU05158 | CAW1F00 |
|             | LU05157 | CAS9F00 |
|             | LU05062 | CAW1F00 |
|             | LU04937 | CFF6F00 |
|             | LU04879 | CAW1F00 |
|             | LU04116 | CFF6F00 |
| CAR2203     | SO11613 | CAW1F00 |
|             | LU04860 | CAS9F00 |
|             | LU04572 | CAS9F00 |
|             | LU04507 | CAS9F00 |
|             | LU03868 | CFF6F00 |
|             | LU03522 | CFF6F00 |
|             | LU03375 | CAW1F00 |
| CAR2202     | LU04258 | CAS9F00 |
|             | LU03902 | CFF6F00 |
|             | LU03635 | CAW1F00 |
| CAR2201     | LU04065 | CFF6F00 |
|             | LU03922 | CFF6F00 |
|             | LU03756 | CBUJE00 |
|             | LU03641 | CFF6F00 |
|             | LU03516 | CAS9F00 |
|             | LU03404 | CAW1F00 |
|             | LU03064 | CAS9F00 |
| CAR2112     | SO13214 | CAS9F00 |
|             | LU03511 | CFF6F00 |
|             | LU02969 | CFF6F00 |
|             | LU02052 | CAW1F00 |
|             | LU01447 | CAS9F00 |
|             | LU00181 | CAW1F00 |
| CAR2111     | LU03194 | CAS9F00 |
|             | LU03020 | CFF6F00 |
|             | LU02917 | CFF6F00 |
|             | LU02754 | CAS9F00 |
| CAR2110     | LU02020 | CAS9F00 |
|             | LU01660 | CAS9F00 |
| CAR2109     | LU02463 | CAS9F00 |
|             | LU02461 | CAW1F00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | LU02429 | CFF6F00 |
|             | LU02348 | CAS9F00 |
|             | LU02310 | CBUJE00 |
|             | LU02251 | CAW1F00 |
|             | LU02099 | CAW1F00 |
|             | LU02098 | CAS9F00 |
|             | LU01961 | CAS9F00 |
|             | LU01755 | CFF6F00 |
|             | LU01130 | CAS9F00 |
|             | LU01092 | CAW1F00 |
| CAR2108     | S016137 | CAW1F00 |
|             | LU02177 | CAS9F00 |
|             | LU02071 | CFF6F00 |
|             | LU01857 | CFF6F00 |
|             | LU01733 | CAW1F00 |
| CAR2107     | LU01592 | CAS9F00 |
|             | LU01507 | CFF6F00 |
|             | LU01318 | CBYSE00 |
|             | LU01294 | CAW1F00 |
|             | LU01052 | CBYSE00 |
|             | LU00952 | CAS9F00 |
|             | LU00786 | CAW1F00 |
| CAR2106     | LU01300 | CAW1F00 |
| CAR2105     | LU00614 | CAS9F00 |
| CAR2104     | S015973 | CAS9F00 |
|             | LU00654 | CFF6F00 |
|             | LU00481 | CFF6F00 |
|             | LU00070 | CAS9F00 |
| CAR2103     | S016066 | CFF6F00 |
|             | S015717 | CBYSE00 |
|             | LU00380 | CAS9F00 |
|             | LU00348 | CBUJE00 |
|             | LU00100 | CAS9F00 |
| CAR2102     | S016121 | CFF6F00 |
|             | S015984 | CAW1F00 |
|             | S015983 | CAS9F00 |
|             | S015901 | CAS9F00 |
|             | S015892 | CAS9F00 |
|             | S015679 | CFF6F00 |
|             | S015572 | CAS9F00 |
|             | S014658 | CBYSE00 |
| CAR2101     | S016027 | CFF6F00 |
|             | S015859 | CAS9F00 |
|             | S015161 | CAS9F00 |
|             | S014454 | CFF6F00 |
| CAR2012     | S015545 | CFF6F00 |
|             | S015509 | CAS9F00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S015404 | CFF6F00 |
|             | S015317 | CAW1F00 |
| CAR2011     | S015262 | CFF6F00 |
|             | S014954 | CFF6F00 |
|             | S014946 | CAS9F00 |
|             | S014749 | CAS9F00 |
|             | S014414 | CAW1F00 |
|             | S014209 | CAS9F00 |
| CAR2010     | S014880 | CFF6F00 |
|             | S014822 | CAS9F00 |
|             | S014686 | CFF6F00 |
|             | S014650 | CFF6F00 |
|             | S014632 | CAW1F00 |
|             | S013899 | CAW1F00 |
|             | S013835 | CAW1F00 |
| CAR2009     | S013696 | CAS9F00 |
|             | S013674 | CAW1F00 |
|             | S013644 | CFF6F00 |
|             | S013238 | CAS9F00 |
| CAR2008     | S013976 | CAW1F00 |
|             | S013406 | CXE6100 |
|             | S013324 | CAW1F00 |
|             | S012877 | CAW1F00 |
|             | S012876 | CAW1F00 |
|             | S012102 | CXE6100 |
|             | S011905 | CXE6100 |
| CAR2007     | S013165 | CFF6F00 |
|             | S013050 | CAW1F00 |
|             | S013038 | CFF6F00 |
|             | S013027 | CAS9F00 |
|             | S012874 | CAS9F00 |
|             | S007688 | CAW1F00 |
| CAR2006     | S012986 | CFF6F00 |
|             | S012863 | CFF6F00 |
|             | S012800 | CAS9F00 |
|             | S012541 | CAS9F00 |
|             | S007050 | CAS9F00 |
| CAR2005     | S012649 | CBUJE00 |
|             | S012643 | CBYSE00 |
|             | S012499 | CAS9F00 |
|             | S012236 | CAW1F00 |
|             | S011600 | CAW1F00 |
|             | S011599 | CAW1F00 |
|             | S006721 | CAW1F00 |
| CAR2004     | S012269 | CAS9F00 |
|             | S012199 | CAS9F00 |
|             | S011990 | CAS9F00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S011876 | CFF6F00 |
|             | S011634 | CAS9F00 |
|             | S011007 | CAW1F00 |
|             | S011006 | CAS9F00 |
| CAR2003     | S011826 | CAS9F00 |
|             | S011760 | CFF6F00 |
|             | S011227 | CFF6F00 |
|             | S010683 | CAS9F00 |
|             | S010325 | CFF6F00 |
|             | S009527 | CAW1F00 |
|             | S009273 | CAS9F00 |
| CAR2002     | S011618 | CFF6F00 |
|             | S011358 | CBUJE00 |
|             | S011182 | CFF6F00 |
|             | S010688 | CAS9F00 |
|             | S006282 | CAW1F00 |
| CAR2001     | S011014 | CFF6F00 |
|             | S010936 | CFF6F00 |
|             | S010864 | CAW1F00 |
|             | S010036 | CAW1F00 |
|             | S009669 | CAW1F00 |
| CAR1912     | S010775 | CAS9F00 |
|             | S010579 | CAW1F00 |
|             | S010301 | CAW1F00 |
|             | S010035 | CAW1F00 |
| CAR1911     | S010574 | CFF6F00 |
|             | S010253 | CAS9F00 |
|             | S010182 | CAW1F00 |
|             | S010076 | CAW1F00 |
|             | S010020 | CAW1F00 |
|             | S009711 | CAW1F00 |
|             | S008952 | CFF6F00 |
| CAR1910     | S010064 | CAW1F00 |
|             | S009996 | CFF6F00 |
|             | S009804 | CBUJE00 |
|             | S009631 | CBYSE00 |
|             | S008991 | CAS9F00 |
|             | S008287 | CAW1F00 |
|             | S007952 | CAS9F00 |
| CAR1909     | S009412 | CAW1F00 |
|             | S009072 | CAW1F00 |
|             | S008819 | CAW1F00 |
|             | S008818 | CAS9F00 |
| CAR1908     | S009090 | CAW1F00 |
| CAR1907     | S008532 | CFF6F00 |
|             | S008354 | CAS9F00 |
|             | S008067 | CAS9F00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S007578 | CAW1F00 |
|             | S007251 | CAW1F00 |
| CAR1906     | S008469 | CAS9F00 |
|             | S008372 | CAW1F00 |
|             | S007993 | CFF6F00 |
|             | S007639 | CFF6F00 |
|             | S007591 | CAS9F00 |
|             | S007367 | CAW1F00 |
|             | S007250 | CAW1F00 |
|             | S007248 | CAW1F00 |
| CAR1905     | S007863 | CFF6F00 |
| CAR1904     | S007681 | CAW1F00 |
|             | S007486 | CAW1F00 |
|             | S007363 | CAW1F00 |
|             | S007021 | CAS9F00 |
| CAR1903     | S007047 | CFF6F00 |
|             | S006935 | CFF6F00 |
|             | S006329 | CAW1F00 |
| CAR1902     | S006924 | CBUJE00 |
| CAR1810     | S005412 | CBYSE00 |
| CAR1809     | S005049 | CBYSE00 |
| CAR1808     | R097402 | CBYSE00 |
| CAR1804     | R097691 | CBYSE00 |
| CAR1711     | R098482 | CBUJE00 |
|             | R097316 | CCF9E00 |
| CAR1709     | R097611 | CCF3E00 |
| CAR1707     | R096451 | CBYSE00 |
| CAR1706     | R095554 | CBYSE00 |
| CAR1703     | R094690 | CBUJE00 |
|             | R093985 | CBYSE00 |
| CAR1702     | R093715 | CBUJE00 |
| CAR1701     | R093725 | CBUJE00 |
|             | R093330 | CBUJE00 |
| CAR1610     | R092036 | CBUJE00 |
| CAR1605     | R087227 | CBYSE00 |
| CAR1602     | R081391 | CBYSE00 |
| CAR1601     | R086410 | CBUJE00 |
| CAR1508     | R081869 | CBUJE00 |
| CAR1506     | R080766 | CBYSE00 |
| CAR1505     | R078952 | CBYSE00 |
|             | R067470 | CBYSE00 |
| CAR1504     | R079147 | CBUJE00 |
| CAR1503     | R078090 | CBUJE00 |
| CAR1501     | R070933 | CBUJE00 |
| CAR1412     | R074426 | CXE6100 |
|             | R074424 | CDU4E00 |
|             | R074423 | CASR710 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R074422 | CAF3E00 |
| CAR1410     | R073883 | CBUJE00 |
| CAR1403     | R065915 | CBUJE00 |
| CAR1310     | R060299 | CBUJE00 |
| CAR1309     | R061814 | CBUJE00 |
| CAR1307     | R060266 | CCF3E00 |
| CAR1306     | R054563 | CBYSE00 |
|             | R054215 | CAF3E00 |
|             | R053266 | CBYSE00 |
|             | R052802 | CBUJE00 |
| CAR1303     | R051254 | CBYSE00 |
| CAR1212     | R050858 | CXE6100 |
|             | R050855 | CASR710 |
|             | R050852 | CDU4E00 |
|             | R050849 | CAF3E00 |
|             | R049438 | CBYSE00 |
|             | R049259 | CBUJE00 |
|             | R047728 | CXE6100 |
|             | R047666 | CDU4E00 |
|             | R047625 | CASR710 |
|             | R047591 | CBYSE00 |
|             | R047590 | CBYSE00 |
|             | R047516 | CAF3E00 |
|             | R047492 | CBUJE00 |
| CAR1210     | R047104 | CBYSE00 |
|             | R046688 | CBYSE00 |
|             | R046172 | CBYSE00 |
|             | R046170 | CBYSE00 |
|             | R045565 | CCF9E00 |
|             | R045564 | CBYSE00 |
|             | R045502 | CCF3E00 |
|             | R045372 | CBYSE00 |
|             | R044455 | CCF3E00 |
|             | R044367 | CCF9E00 |
|             | R044289 | CBYSE00 |
| CAR1207     | R043136 | CBYSE00 |
|             | R042823 | CBYSE00 |
|             | R039025 | CBYSE00 |
| CAR1204     | R035679 | CCF9E00 |
| CAR1201     | ZXE6108 | CXE6100 |
|             | R034514 | CBUJE00 |
|             | R034310 | CBYSE00 |
|             | R034162 | CXE6100 |
|             | R032753 | CBUJE00 |
|             | R031903 | CDU4E00 |
|             | R031779 | CBYSE00 |
|             | R031650 | CBUJE00 |

| CA RS<br>Level | Service | FMID    |
|----------------|---------|---------|
|                | R031058 | CBYSE00 |
|                | R029788 | CBYSE00 |
|                | R029065 | CBYSE00 |
|                | R028425 | CBYSE00 |
|                | R027053 | CCF9E00 |
|                | R026162 | CBYSE00 |
|                | R025737 | CXE6100 |
|                | R020913 | CXE6100 |
|                | Q095030 | CXE6100 |
| CAR1010        | Q089740 | CXE6100 |
|                | Q083915 | CXE6100 |