# Gen 8.6 CA RS 2304 Service List

| Service  | Description  | Type |
|--|--|------|
| LU08865  | CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS | PTF  |
| LU08866  | CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS | PTF  |
| LU08867  | CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS | PTF  |
| LU09440  | BLOCK MODE NON-SCREEN MAY ABEND IF WRITING ERROR TO SCREEN   | PTF  |
| The CA RS 2304 service count for this release is 4 |  |      |

## Gen CA RS 2304 Service List for CEHB860

| FMID    | Service | Description Typ  |     |
|---------|---------|--|-----|
| СЕНВ860 | LU08865 | CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS | PTF |
|         |         | The CA RS 2304 service count for this FMID is 1              |     |

## Gen CA RS 2304 Service List for CEHC860

| FMID  | Service | Description  | Туре |
|---|---------|--|------|
| CEHC860   | LU08866 | CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS | PTF  |
|   | LU09440 | BLOCK MODE NON-SCREEN MAY ABEND IF WRITING ERROR TO SCREEN   | PTF  |
| The CA RS 2304 service count for this FMID is 2 |         |  |      |

## Gen CA RS 2304 Service List for CETA860

| FMID    | Service | Description  | Type |
|---------|---------|--|------|
| CETA860 | LU08867 | CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS | PTF  |
|         |         | The CA RS 2304 service count for this FMID is 1              |      |

# Gen 8.6 CA RS 2304 - PTF LU08865 Details

| Service | Details   |             |  |
|---------|---|-------------|--|
| LU08865 | LU08865 M.C.S. ENTRIES = ++PTF (LU08865) REWORK(2023065)  |             |  |
|         |   |             |  |
|         | CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS  |             |  |
|         | ENHANCEMENT DESCRIPTION:  |             |  |
|         | This enhancement adds the following support to the Consuming  | RESTful     |  |
|         | APIs feature:   |             |  |
|         | 1) Batch application support  |             |  |
|         | Gen-generated Batch applications can now consume RESTful API:   | s.          |  |
|         | Supported functionality includes:   |             |  |
|         | HTTP Methods: GET, POST, PUT, and DELETE  |             |  |
|         | Security Schemes: Basic, Bearer, API Key, and   |             |  |
|         | OAuth2 Client Credentials Authentication  |             |  |
|         | DB2 Attach Types: DB2_DSN and EXEC/NONE   |             |  |
|         | 2) Compatibility support for Batch and CICS applications  |             |  |
|         | Call REST Action Blocks can now have their Dynamic Link (z/0  | S)          |  |
|         | property set to Compatibility (CMP).  |             |  |
|         | PRODUCT(S) AFFECTED:  |             |  |
|         | GEN COMMON MODULES  | Release 8.6 |  |
|         | GEN COMMON MODULES CICS   | Release 8.6 |  |
|         | GEN UNRESOLVED RUNTIME MODULES  | Release 8.6 |  |
|         | Related Problem:  |             |  |
|         | CGMCMN 19333  |             |  |
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|         | R00064-GEN086   |             |  |
|         |   |             |  |
|         | DESC(CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICA  | TIONS).     |  |
|         | ++VER (Z038)  FMID (CEHB860)  PRE ( LU01885 LU03409 LU04595 R093834 R098371 S014133 )  SUP ( LT08865 )  ++IF FMID(CEHC860) REQ( LU08866 ).  ++IF FMID(CETA860) REQ( LU08867 ).  ++HOLD (LU08865) SYSTEM FMID(CEHB860) |             |  |
|         |   |             |  |
|         |   |             |  |
|         |   |             |  |
|         |   |             |  |
|         |   |             |  |
|         |   |             |  |
|         | REASON (ACTION ) DATE (23065)   |             |  |
|         | COMMENT (   |             |  |
|         | +   | +           |  |
|         | GEN COMMON MODULES Release  | e 8.6       |  |
|         | <br> SEQUENCE   Both before Apply and after Apply   | <br> <br>   |  |
|         | +   | +           |  |
|         | PURPOSE   Backup any customized skeletons   | I           |  |
|         | Prepare to use Call REST statements in batch jo   | bs          |  |
|         | +   | +           |  |
|         | USERS   Gen Host Encyclopedia Administrator   | 1           |  |
|         | AFFECTED   Gen Implementation Toolset Administrator   | 1           |  |
|         | +   | +           |  |
|         | KNOWLEDGE   Gen Host Encyclopedia Administrator   | I           |  |
|         | REQUIRED   Gen Implementation Toolset Administrator   | 1           |  |
|         | +   | +           |  |
|         | ACCESS   Gen Host Encyclopedia Administrator authorization  | on I        |  |
|         | REQUIRED   Gen Implementation Toolset Administrator author:   | ization     |  |
|         | +   | +           |  |
|         | *******   |             |  |
|         | * STEPS TO PERFORM *  |             |  |
|         |   |             |  |

## Gen 8.6 CA RS 2304 - PTF LU08865 Details

| Service | Details  |
|---------|--|
| Service | * *  |
|         | * BEFORE APPLY *   |
|         | **************************************                                 |
|         | 1. This PTF updates several ISPF skeletons in the CEHBSKLO dataset.    |
|         | If any customizations have been made to these skeletons, please make   |
|         | a backup copy of the skeletons to avoid losing any customizations.     |
|         | The list of updated skeletons is shown below:                          |
|         | TI\$LAE TICBATAB   |
|         | TI\$LAED TICBATNO  |
|         | TIŞLAED TICLAE   |
|         | TI\$LDB2C TICLAED  |
|         | TI\$LDSN TICLBTCH  |
|         | TIŞLEXEC TICLDSN   |
|         | TICLEXEC   |
|         | ++   |
|         | **********   |
|         | * STEPS TO PERFORM *   |
|         | * *  |
|         | * AFTER APPLY *  |
|         | ***********  |
|         | 1. If any customizations were made to the list of ISPF skeletons shown |
|         | above, those customizations will need to be merged into the updated    |
|         | skeletons.   |
|         | 2. The following items are required in order to consume RESTful APIs   |
|         | in a Gen-generated batch application:                                  |
|         | a. OMVS Segment  |
|         | z/OS UNIX System Services (USS) are used by batch applications         |
|         | that contain Call REST statements. Therefore, the userid               |
|         | executing the batch job must have an OMVS segment defined.             |
|         | b. POSIX   |
|         | A batch application must be executed as a POSIX-enabled                |
|         | application in order to use a Call REST statement. There are           |
|         | several ways to indicate that the application is POSIX-enabled,        |
|         | but one of the simplest methods is to add the following JCL            |
|         | cards to each batch job step that uses Call REST statements:           |
|         | //CEEOPTS DD *   |
|         | POSIX(ON)  |
|         | c. TIRABRTB  |
|         | This PTF delivers a new DLL named TIRABRTB. Please make sure           |
|         | this DLL is included in a dataset in the batch job step's              |
|         | STEPLIB concatenation, along with the other necessary Gen              |
|         | runtimes, for any batch application that contains Call REST            |
|         | statements.  |
|         | d. TIRXINFO  |
|         | The TIRXINFO user exit in the CEHBSAMP dataset specifies the           |
|         | EBCDIC codepage used in the z/OS execution environment by CICS         |
|         | and batch applications that contain Call REST statements. The          |
|         | default exit is set to use codepage 37. If a different codepage        |
|         | value is needed, modify the TIRXINFO user exit and rebuild the         |
|         | TIRXINFZ user exit DLL using only the last two steps of the            |
|         | MKCRUN job in the CEHBSAMP dataset. Then make sure this DLL is         |
|         | included in a dataset in the batch job step's STEPLIB                  |
|         | concatenation, along with the other necessary Gen runtimes,            |
|         | 16   |

for any batch application that contains Call REST statements.

# Gen 8.6 CA RS 2304 - PTF LU08865 Details

| Service | Details  |  |  |
|---------|--|--|--|
|         | ).   |  |  |
|         | ++HOLD (LU08865) SYSTEM FMID(CEHB860)                                    |  |  |
|         | REASON (DOC ) DATE (23065)   |  |  |
|         | COMMENT (  |  |  |
|         | ++   |  |  |
|         | GEN COMMON MODULES Release 8.6   |  |  |
|         | <b> </b>   |  |  |
|         | ************   |  |  |
|         | * PUBLICATION *  |  |  |
|         |  |  |  |
|         | This PTF includes a SYSTEM HOLDDATA, REASON(DOC) to provide information  |  |  |
|         | to customers who plan to use the Gen 8.6 Consuming RESTful APIs feature. |  |  |
|         | Execution Environment Requirements                                       |  |  |
|         | Batch applications have the following requirements:                      |  |  |
|         | z/OS 2.3 or newer release  |  |  |
|         | CICS applications have the following requirements:                       |  |  |
|         | z/OS 2.2 or newer release  |  |  |
|         | CICS TS 5.4 or newer release   |  |  |
|         | For further details, please see the New Features topic in the Gen 8.6    |  |  |
|         | Release Notes at   |  |  |
|         | http://techdocs.broadcom.com/us/en/ca-mainframe-software/devops/         |  |  |
|         | ca-gen/8-6/release-notes/new-features.html                               |  |  |
|         | ).   |  |  |

# Gen 8.6 CA RS 2304 - PTF LU08866 Details

| Service | Details  |                          |  |
|---------|--|--------------------------|--|
| LU08866 | LU08866 M.C.S. ENTRIES = ++PTF (LU08866) REWORK(2023065)                   |                          |  |
|         | CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS               |                          |  |
|         |  | ENHANCEMENT DESCRIPTION: |  |
|         | This enhancement adds the following support to the Consuming APIs feature: | RESTful                  |  |
|         | 1) Batch application support   |                          |  |
|         | Gen-generated Batch applications can now consume RESTful API:              | s.                       |  |
|         | Supported functionality includes:  |                          |  |
|         | HTTP Methods: GET, POST, PUT, and DELETE                                   |                          |  |
|         | Security Schemes: Basic, Bearer, API Key, and                              |                          |  |
|         | OAuth2 Client Credentials Authentication                                   |                          |  |
|         | DB2 Attach Types: DB2_DSN and EXEC/NONE                                    |                          |  |
|         | 2) Compatibility support for Batch and CICS applications                   |                          |  |
|         | Call REST Action Blocks can now have their Dynamic Link (z/0               | 5)                       |  |
|         | property set to Compatibility (CMP).                                       |                          |  |
|         | PRODUCT(S) AFFECTED:   |                          |  |
|         | GEN COMMON MODULES   | Release 8.6              |  |
|         | GEN COMMON MODULES CICS  | Release 8.6              |  |
|         | GEN UNRESOLVED RUNTIME MODULES   | Release 8.6              |  |
|         | Related Problem:   |                          |  |
|         | CGMCMN 19333   |                          |  |
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|         | R00064-GEN086  |                          |  |
|         | DESC(CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICA:              | ΓIONS).                  |  |
|         | ++VER (Z038)   |                          |  |
|         | FMID (CEHC860)   |                          |  |
|         | PRE ( LU01886 LU03410 LU04596 S008422 S014134 )                            |                          |  |
|         | SUP ( LT05280 LT05281 LT08866 LU05281 )                                    |                          |  |
|         | ++IF FMID(CEHB860) REQ( LU08865 ).   |                          |  |
|         | ++IF FMID(CETA860) REQ( LU08867 ).   |                          |  |

# Gen 8.6 CA RS 2304 - PTF LU08867 Details

| Service | Details   |             |  |
|---------|---|-------------|--|
| LU08867 | LU08867 M.C.S. ENTRIES = ++PTF (LU08867) REWORK(2023065)                              |             |  |
|         | CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS ENHANCEMENT DESCRIPTION: |             |  |
|         | This enhancement adds the following support to the Consuming RESTful                  |             |  |
|         | APIs feature:   | RESTIG      |  |
|         | 1) Batch application support  |             |  |
|         | Gen-generated Batch applications can now consume RESTful APIs                         | 5.          |  |
|         | Supported functionality includes:   |             |  |
|         | HTTP Methods: GET, POST, PUT, and DELETE  |             |  |
|         | Security Schemes: Basic, Bearer, API Key, and   |             |  |
|         | OAuth2 Client Credentials Authentication  |             |  |
|         | DB2 Attach Types: DB2_DSN and EXEC/NONE   |             |  |
|         | 2) Compatibility support for Batch and CICS applications                              |             |  |
|         | Call REST Action Blocks can now have their Dynamic Link (z/OS)                        |             |  |
|         | property set to Compatibility (CMP).  |             |  |
|         | PRODUCT(S) AFFECTED:  |             |  |
|         | GEN COMMON MODULES  | Release 8.6 |  |
|         | GEN COMMON MODULES CICS   | Release 8.6 |  |
|         | GEN UNRESOLVED RUNTIME MODULES  | Release 8.6 |  |
|         | Related Problem:  |             |  |
|         | CGMCMN 19333  |             |  |
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|         | R00064-GEN086   |             |  |
|         | DEGG (GONGUNTNG DEGMENT ADTG EDOM DAMGU (GONDAMIDIT TWO ADDI I GAN                    | HTOMG)      |  |
|         | DESC(CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATION (7020)               | TIONS).     |  |
|         | ++VER (Z038)  |             |  |
|         | FMID (CETA860)<br>PRE ( LU04600 )   |             |  |
|         | SUP ( LT08867 )   |             |  |
|         | ++IF FMID(CEHB860) REQ( LU08865 ).  |             |  |
|         | ++IF FMID(CEHC860) REQ( LU08866 ).  |             |  |
|         |   |             |  |

## Gen 8.6 CA RS 2304 - PTF LU09440 Details

| Service | Details   |  |  |
|---------|---|--|--|
| LU09440 | LU09440 M.C.S. ENTRIES = ++PTF (LU09440) REWORK(2023082)              |  |  |
|         |   |  |  |
|         | BLOCK MODE NON-SCREEN MAY ABEND IF WRITING ERROR TO SCREEN            |  |  |
|         | PROBLEM DESCRIPTION:  |  |  |
|         | An AEYY abend may occur on CICS when attempting to display error      |  |  |
|         | messages for a blockmode non-screen Gen application. After applying   |  |  |
|         | the PTF, the error messages for blockmode non-screen Gen applications |  |  |
|         | will be written to the CICS log.                                      |  |  |
|         | This problem was reported in Case 33312177.                           |  |  |
|         | SYMPTOMS:   |  |  |
|         | The Gen application will receive an AEYY abend in CICS.               |  |  |
|         | IMPACT:   |  |  |
|         | The Gen application will abend without displaying error messages.     |  |  |
|         | CIRCUMVENTION:  |  |  |
|         | Use the TIRTERMA user exit to handle the original error.              |  |  |
|         | PRODUCT(S) AFFECTED:  |  |  |
|         | CA Gen - Common Modules CICS RELEASE: 8.6                             |  |  |
|         | Related Problem:  |  |  |
|         | CGRTCI 19825  |  |  |
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|         | R00065-GEN086   |  |  |
|         |   |  |  |
|         | DESC(BLOCK MODE NON-SCREEN MAY ABEND IF WRITING ERROR TO SCREEN).     |  |  |
|         | ++VER (Z038)  |  |  |
|         | FMID (CEHC860)  |  |  |
|         | PRE ( LU01886 LU03410 LU04596 LU08866 S008422 S014134 )               |  |  |
|         | SUP ( LT09440 )   |  |  |
|         | MCS LU08865 STARTS ON PAGE 0002                                       |  |  |
|         | MCS LU08866 STARTS ON PAGE 0008                                       |  |  |
|         | MCS LU08867 STARTS ON PAGE 0010                                       |  |  |
|         | MCS LU09440 STARTS ON PAGE 0011                                       |  |  |

# Gen 8.6 CA RS 2304 Product/Component Listing

| Product Family  | Product                                | Release  |
|---|--|----------|
| Dev0ps  | CA GEN BASE MODULES (COMMON MODULES)   | 08.06.00 |
|   | CA GEN BASE UNRESOLVED RUNTIME MODULES | 08.06.00 |
|   | CA GEN CICS OPTION MQSERIES MIDDLEWARE | 08.06.00 |
|   | CA GEN CICS TCP/IP DIRECT CONNECT      | 08.06.00 |
|   | CA GEN COMMON CICS MODULES             | 08.06.00 |
|   | CA GEN COMMON IMS MODULES              | 08.06.00 |
|   | CA GEN HOST ENCYCLOPEDIA               | 08.06.00 |
|   | CA GEN IMPLEMENTATION TOOLSET          | 08.06.00 |
|   | CA GEN IMS OPTION MQSERIES MIDDLEWARE  | 08.06.00 |
|   | CA GEN IMS TCP/IP DIRECT CONNECT       | 08.06.00 |
| The CA RS 2304 Product/Component Count for this release is 10 |  |          |

| CA RS<br>Level | Service | FMID               |
|----------------|---------|--------------------|
| CAR2304        | LU09440 | CEHC860            |
|                | LU08867 | CETA860            |
|                | LU08866 | CEHC860            |
|                | LU08865 | CEHB860            |
| CAR2301        | LU08295 | CEG8860            |
| CAR2210        | LU07216 | CEG6860            |
|                | LU07165 | CEG6860            |
|                | LU06986 | CEG8860            |
|                | LU06645 | CEHC860            |
|                | LU06644 | СЕНВ860            |
| CAR2209        | LU06760 | CEG8860            |
| CAR2207        | LU05281 | CEHC860            |
| CAR2206        | LU05743 | СЕНВ860            |
|                | LU05722 | CEG6860            |
| CAR2205        | LU05551 | CEG6860            |
| CAR2204        | LU04909 | CEG6860            |
| CAR2203        | LU04600 | CETA860            |
|                | LU04599 | CEKZ860            |
|                | LU04598 | CEKP860            |
|                | LU04597 | CEHD860            |
|                | LU04596 | CEHC860            |
|                | LU04595 | СЕНВ860            |
|                | LU04594 | CEG9860            |
|                | LU04593 | CEG8860            |
|                | LU04592 | CEG7860            |
|                | LU04591 | CEG6860            |
|                | LU03312 | CEG8860            |
| CAR2202        | LU03410 | CEHC860            |
|                | LU03409 | СЕНВ860            |
|                | LU03408 | CEG6860            |
| CAR2112        | LU03643 | СЕНВ860            |
| CAR2111        | LU03276 | CEG6860            |
| CAR2110        | LU01908 | CETA860            |
|                | LU01889 | CEKZ860            |
|                | LU01888 | CEKP860            |
|                | LU01887 | CEHD860            |
|                | LU01886 | CEHC860            |
|                | LU01885 | CEHB860            |
|                | LU01884 | CEG7860            |
| CARRAGO        | LU01883 | CEG6860            |
| CAR2108        | LU01762 | CEUD860            |
| CAP2107        | LU01761 | CEC6860            |
| CAR2107        | LU01753 | CEG6860            |
| CAR2105        | LU00570 | CEHR860            |
| CAR2104        | LU00269 | CEHB860<br>CEG6860 |
| CAR2103        | S016038 | CEG8860            |
| CUIVE 103      | POTOUSE | CEG0000            |

| LU00154         CEHB860           CAR2102         S016152         CEHC860           CAR2101         S015734         CEG6860           CAR2102         S015712         CEHB860           CAR2012         S015689         CEG6860           CAR2012         S015465         CEHB860           GAR2012         S015465         CEG9860           GAR2012         S015046         CEG6860           GAR2014         S015046         CEG6860           GAR2014         S015046         CEKZ860           GAR2014         S014009         CEHB860           GAR2016         S014009         CEHB860           CAR2010         S014009         CEHB860           CAR2010         S014009         CEHB860           CAR2010         S014136         CEHD860           CAR2010         S014135         CEHD860           CAR2010         S014133         CEHB860           CAR2009         S014035         CEG6860           CAR2009         S014635         CEG6860           CAR2009         S014036         CEHC860           CAR2009         S012046         CEHC860           CAR2002         S008426         CEKP860  | CA RS<br>Level | Service | FMID    |
|--|----------------|---------|---------|
| CAR2102         SO16152         CEHC860           CAR2101         SO15734         CEG6860           CAR2012         SO15689         CEG6860           CAR2012         SO15465         CEHB860           CAR2012         SO15465         CEHB860           SO15465         CEG9860         CEG9860           SO15047         CEG8860         CEG6860           SO15044         CEKZ860         CEKZ860           SO15044         CEKZ860         CEKP860           SO15044         CEKZ860         CEKP860           SO14009         CEHB860         CEG7860           SO14009         CEHB860         CEG7860           CAR2010         SO14766         CEHB860           CAR2010         SO14766         CEHB860           SO14133         CEHD860         CEHD860           CAR2001         SO14133         CEHB860           CAR2002         SO14133         CEHB860           CAR2003         SO14635         CEG6860           CAR2004         SO12046         CEHC860           CAR2005         SO12046         CEHZ860           CAR1907         SO08423         CEHD860           CAR2002         SO08423 <td< td=""><td></td><td>LU00154</td><td>СЕНВ860</td></td<> |                | LU00154 | СЕНВ860 |
| CAR2101         SO15734         CEG6860           CAR2012         SO15712         CEHB860           CAR2012         SO15689         CEG6860           SO15465         CEHB860         CEHB860           SO15445         CEG9860         CEG8860           SO15047         CEG8860         CEG6860           SO15044         CEKZ860         CEKP860           SO15044         CEKZ860         CEKP860           SO14009         CEHB860         CEG7860           SO14009         CEG8860         CEG7860           CAR2010         SO14706         CEHB860           CAR2010         SO14133         CEG7860           CAR2010         SO14133         CEHD860           SO14133         CEHB860         CEHB860           CAR2004         SO14133         CEHB860           CAR2005         SO14635         CEG6860           CAR2009         SO14635         CEG6860           CAR2005         SO12045         CEHB860           CAR2005         SO12045         CEHB860           CAR1907         SO08425         CEKZ860           CAR1907         SO08422         CEHD860           SO08422         CEHC860  |                | LU00153 | CEG6860 |
| CAR2012         S015712         CEHB860           CAR2012         S015689         CEG6860           S015465         CEHC860           S015465         CEHB860           S015047         CEG9860           S015047         CEG8860           S015046         CEKZ860           S015044         CEKZ860           S015043         CEKP860           S014009         CEHB860           S014008         CEG7860           CAR2010         S014008         CEG7860           CAR2010         S014766         CEHB860           CAR2010         S014133         CEG7860           CAR2010         S014134         CEHC860           CAR2009         S014133         CEHB860           CAR2009         S014635         CEG6860           CAR2009         S012663         CEG6860           CAR2009         S012663         CEHC860           CAR2009         S012045         CEHB860           CAR2001         S0012045         CEHB860           CAR1907         S008425         CEKZ860           CAR1907         S008423         CEHD860           S008423         CEHD860           S008424   | CAR2102        | S016152 | CEHC860 |
| CAR2012         S015689         CEG6860           S015466         CEHC860           S015465         CEHB860           S015445         CEG9860           S015047         CEG8860           S015044         CEKZ860           S015044         CEKZ860           S015043         CEKP860           S014009         CEHB860           S014009         CEHB860           CAR2010         S014007         CEG6860           CAR2010         S014766         CEHB860           CAR2010         S014136         CETA860           S014133         CEHD860         CEHB860           S014134         CEHC860         CEHB860           CAR2005         S014133         CEHB860           CAR2006         S014133         CEHB860           CAR2007         S014635         CEG6860           CAR2008         S012045         CEHC860           CAR2009         S012045         CEHB860           CAR2001         S0012045         CEHB860           CAR1907         S008425         CEKZ860           CAR1901         S008422         CEHC860           S008422         CEHC860           S008423   | CAR2101        | S015734 | CEG6860 |
| SO15466         CEHC860           SO15465         CEHB860           SO15445         CEG9860           SO15047         CEG8860           SO15046         CEG6860           SO15044         CEKZ860           SO15043         CEKP860           SO14009         CEHB860           SO14008         CEG7860           SO14009         CEHB860           CAR2010         SO14766         CEHB860           SO14133         CEG7860           SO14134         CEHC860           SO14135         CEHC860           SO14134         CEHC860           SO14133         CEG6860           CAR2009         SO14635         CEG6860           CAR2009         SO12663         CEG6860           CAR2005         SO12045         CEHB860           CAR1907         SO08425         CEKZ860           CAR1907         SO08426         CEKZ860           CAR1907         SO08425         CEKZ860           SO08423         CEHD860           SO08424         CEKP860           SO08425         CEHC860           SO08426         CEHC860           CAR1901         SO08421         CEHB   |                | S015712 | СЕНВ860 |
| SO15465         CEHB860           SO15445         CEG9860           SO15047         CEG8860           SO15046         CEG8860           SO15044         CEKZ860           SO15043         CEKP860           SO14009         CEHB860           SO14009         CEHB860           CAR2010         SO14007         CEG6860           CAR2010         SO14766         CEHB860           CAR2010         SO14136         CETA860           SO14135         CEHD860         CETA860           SO14134         CEHC860         CEHB860           SO14135         CEHB860         CEHB860           CAR2004         SO14133         CEHB860           CAR2005         SO14635         CEG6860           CAR2006         SO12045         CEHC860           CAR2007         SO12045         CEHB860           CAR1907         SO08426         CEKZ860           CAR1907         SO08426         CEKZ860           SO08423         CEHD860           SO08424         CEKP860           SO08425         CEHC860           SO08420         CEG8860           CAR1901         SO06401         CEG8860  | CAR2012        | S015689 | CEG6860 |
| SO15445         CEG9860           SO15047         CEG8860           SO15046         CEG6860           SO15044         CEK2860           SO15043         CEKP860           SO14009         CEHB860           SO14009         CEG8860           CAR2010         SO14007         CEG6860           CAR2010         SO14766         CEHB860           SO14133         CEG7860         CETA860           SO14134         CEHD860         CETA860           SO14135         CEHD860         CEHD860           SO14134         CEHC860         CEG6860           CAR2005         SO14132         CEG6860           CAR2005         SO12663         CEG6860           CAR2005         SO12045         CEHB860           CAR2006         SO12045         CEHB860           CAR1907         SO08425         CEKZ860           CAR1907         SO08426         CEKZ860           SO08423         CEHD860           SO08424         CEHB860           SO08425         CEHC860           SO08426         CEHB860           CAR1901         SO08421         CEHB860           CAR1901         SO06243  |                | S015466 | CEHC860 |
| SO15047         CEG8860           SO15044         CEKZ860           SO15044         CEKZ860           SO15043         CEKP860           SO15043         CEKP860           SO14009         CEHB860           SO14007         CEG8860           CAR2010         SO14766         CEHB860           CAR2010         SO14136         CETA860           SO14136         CETA860         CETA860           SO14135         CEHD860         CEHC860           SO14134         CEHC860         CEHC860           CAR2005         SO14133         CEG6860           CAR2005         SO12663         CEG6860           CAR2005         SO12045         CEHC860           CAR2006         SO12045         CEHC860           CAR1907         SO08426         CETA860           CAR1907         SO08425         CEKZ860           SO08423         CEHD860           SO08424         CEKP860           SO08425         CEHC860           SO08420         CEHB860           CAR1901         SO08421         CEHB860           CAR1901         SO08421         CEHB860           CAR1901         SO06243  |                | S015465 | CEHB860 |
| SO15046         CEG6860           SO15044         CEKZ860           SO15043         CEKP860           SO14009         CEHB860           SO14009         CEHB860           SO14007         CEG6860           CAR2010         SO14766         CEHB860           CAR2010         SO14136         CETA860           SO14133         CEHD860         CEHD860           SO14134         CEHC860         CEHB860           SO14133         CEHB860         CEG6860           CAR2009         SO14635         CEG6860           CAR2005         SO12046         CEHC860           CAR2005         SO12045         CEHB860           CAR2006         SO12045         CEHB860           CAR1907         SO08426         CEKZ860           CAR1907         SO08425         CEKZ860           SO08423         CEHD860           SO08424         CEHB860           SO08425         CEHC860           SO08426         CEHC860           CAR1901         SO08421         CEHB860           CAR1901         SO08421         CEHB860           CAR1901         SO06243         CEG6860           CAR1901  |                | S015445 | CEG9860 |
| SO15044         CEKZ860           SO15043         CEKP860           SO14009         CEHB860           SO14008         CEG7860           SO14007         CEG6860           CAR2010         SO14766         CEHB860           CAR2010         SO14136         CETA860           SO14136         CETA860         CETA860           SO14135         CEHD860         CEHC860           SO14134         CEHC860         CEG6860           CAR2009         SO14635         CEG6860           CAR2005         SO12045         CEHC860           CAR2005         SO12045         CEHB860           CAR2006         SO12045         CEHB860           CAR1907         SO08425         CEKZ860           CAR1907         SO08426         CEKZ860           SO08423         CEHC860           SO08424         CEHB860           SO08425         CEHC860           SO08426         CEHC860           SO08427         CEHB860           CAR1901         SO08421         CEHB860           CAR1901         SO08421         CEHB860           CAR1901         SO06243         CEG6860           CAR1901  |                | S015047 | CEG8860 |
| SO15043         CEKP860           SO14009         CEHB860           SO14009         CEG7860           SO14007         CEG6860           CAR2010         SO14766         CEHB860           SO14133         CEG7860           SO14136         CETA860           SO14136         CEHD860           SO14137         CEHD860           SO14134         CEHC860           SO14132         CEG6860           CAR2009         SO14635         CEG6860           CAR2005         SO12045         CEHC860           CAR2005         SO12045         CEHB860           CAR2006         SO12045         CEHB860           CAR1907         SO08425         CEKZ860           CAR1907         SO08422         CEKP860           SO08423         CEHD860           SO08424         CEKP860           SO08425         CEG8860           SO08420         CEG8860           CAR1901         SO08420         CEG8860           CAR1901         SO06243         CEG6860           CAR1901         SO06243         CEG6860           CAR1901         SO0660         CEG8860           CAR1801 <td< td=""><td></td><td>S015046</td><td>CEG6860</td></td<>  |                | S015046 | CEG6860 |
| SO14009         CEHB860           SO14008         CEG7860           CAR2010         SO14007         CEG6860           CAR2010         SO14766         CEHB860           SO14133         CEG7860           SO14136         CETA860           SO14135         CEHD860           SO14134         CEHC860           SO14133         CEHB860           CAR2009         SO14635         CEG6860           CAR2005         SO12663         CEG6860           CAR2005         SO12045         CEHB860           CAR2006         SO12045         CEHB860           CAR1907         SO08425         CEKZ860           CAR1907         SO08426         CEKZ860           SO08423         CEHD860           SO08424         CEKP860           SO08425         CEHC860           SO08426         CEHB860           SO08427         CEHB860           SO08428         CEHC860           SO08429         CEG8860           CAR1901         SO08421         CEHB860           CAR1901         SO08418         CEG6860           CAR1901         SO06186         CEG6860           CAR1901 <t< td=""><td></td><td>S015044</td><td>CEKZ860</td></t<>   |                | S015044 | CEKZ860 |
| SOLATOR         CEG7860           CAR2010         SO14007         CEG6860           CAR2010         SO14766         CEHB860           SO14133         CEG7860           SO14136         CETA860           SO14135         CEHD860           SO14135         CEHD860           SO14134         CEHC860           SO14133         CEHB860           CAR2009         SO14635         CEG6860           CAR2005         SO12663         CEG6860           CAR2005         SO12045         CEHC860           CAR2006         SO12045         CEHB860           CAR1907         SO08426         CETA860           CAR1907         SO08426         CEKZ860           SO08423         CEHC860           SO08424         CEKP860           SO08425         CEHC860           SO08420         CEG8860           SO08421         CEHB860           SO08422         CEG7860           CAR1901         SO06243         CEG8860           CAR1901         SO06243         CEG6860           CAR1901         SO06670         CEG9860           CAR1811         SO05670         CEG9860 <t< td=""><td></td><td>S015043</td><td>CEKP860</td></t<>   |                | S015043 | CEKP860 |
| CAR2010         SO14007         CEG6860           CAR2010         SO14766         CEHB860           SO14133         CEG7860           SO14136         CETA860           SO14135         CEHD860           SO14134         CEHD860           SO14133         CEHB860           CAR2009         SO14132         CEG6860           CAR2005         SO12663         CEG6860           CAR2005         SO12046         CEHC860           CAR2002         SO11000         CEG6860           CAR1907         SO08425         CEKZ860           CAR1907         SO08424         CEKP860           SO08423         CEHD860           SO08424         CEHB860           SO08425         CEHC860           SO08426         CEHB860           SO08427         CEHB860           SO08428         CEHC860           CAR1901         SO08420         CEG8860           CAR1901         SO06243         CEG6860           CAR1901         SO06243         CEG6860           CAR1901         SO06670         CEG9860           CAR1811         SO05670         CEG9860           CAR1810         RO98371  |                | S014009 | CEHB860 |
| CAR2010         S014766         CEHB860           S014133         CEG7860           S014136         CETA860           S014135         CEHD860           S014134         CEHC860           S014133         CEHB860           S014133         CEG6860           CAR2009         S014635         CEG6860           CAR2005         S012045         CEHC860           CAR2002         S011000         CEG6860           CAR1907         S008425         CEKZ860           CAR1907         S008426         CEKZ860           S008423         CEHD860           S008424         CEKP860           S008425         CEHC860           S008426         CEHC860           S008427         CEHC860           S008428         CEHC860           S008429         CEG8860           CAR1901         S008419         CEG7860           CAR1901         S006243         CEG6860           CAR1901         S006243         CEG8860           CAR1901         S00660         CEG9860           CAR1801         S005670         CEG9860           CAR1810         R098371         CEHB860 <td< td=""><td></td><td>S014008</td><td>CEG7860</td></td<>  |                | S014008 | CEG7860 |
| SO14183         CEG7860           SO14136         CETA860           SO14135         CEHD860           SO14134         CEHD860           SO14133         CEHB860           SO14133         CEHB860           CAR2009         SO14635         CEG6860           CAR2005         SO12663         CEG6860           CAR2005         SO12046         CEHC860           CAR2002         SO11000         CEG6860           CAR1907         SO08425         CEKZ860           CAR1907         SO08424         CEKP860           SO08423         CEHD860           SO08424         CEHB860           SO08425         CEHC860           SO08426         CEHB860           SO08427         CEHB860           SO08428         CEG7860           SO08429         CEG8860           CAR1901         SO06243         CEG6860           CAR1901         SO06243         CEG6860           CAR1811         SO05671         CEG9860           CAR1810         RO98371         CEHB860           CAR1810         RO98371         CEHB860  |                | S014007 | CEG6860 |
| S014136         CETA860           S014135         CEHD860           S014134         CEHC860           S014133         CEHB860           S014133         CEG6860           CAR2009         S014635         CEG6860           CAR2005         S012663         CEG6860           CAR2005         S012045         CEHB860           CAR2002         S011000         CEG6860           CAR1907         S008425         CEKZ860           CAR1907         S008426         CEKZ860           S008424         CEKP860           S008423         CEHC860           S008424         CEHB860           S008425         CEHC860           S008426         CEHC860           S008427         CEHB860           S008428         CEG8860           CAR1901         S008418         CEG6860           CAR1901         S006186         CEG6860           CAR1811         S005670         CEG9860           CAR1810         R098371         CEHB860           CAR1810         R098370         CEG7860  | CAR2010        | S014766 | CEHB860 |
| SO14135         CEHD860           SO14134         CEHC860           SO14133         CEHB860           SO14132         CEG6860           CAR2009         SO14635         CEG6860           CAR2005         SO12663         CEG6860           CAR2005         SO12046         CEHC860           CAR2002         SO11000         CEG6860           CAR1907         SO08426         CETA860           SO08425         CEKZ860           SO08424         CEKP860           SO08423         CEHD860           SO08424         CEHB860           SO08425         CEG8860           SO08426         CEHC860           SO08427         CEHB860           SO08428         CEG7860           CAR1901         SO08419         CEG7860           CAR1901         SO06243         CEG6860           CAR1811         SO05671         CEG9860           CAR1811         SO05670         CEG9860           CAR1810         RO98371         CEHB860           CAR1810         RO98371         CEHB860  |                | S014183 | CEG7860 |
| S014134         CEHC860           S014133         CEHB860           S014132         CEG6860           CAR2009         S014635         CEG6860           CAR2005         S012046         CEHC860           S012046         CEHC860         CEHC860           CAR2002         S011000         CEG6860           CAR1907         S008425         CEKZ860           CAR1907         S008426         CEKZ860           S008423         CEHD860         CEHD860           S008423         CEHD860         CEHC860           S008421         CEHB860         CEG8860           S008429         CEG8860         CEG7860           CAR1901         S008418         CEG6860           CAR1901         S006243         CEG6860           CAR1901         S006186         CEG9860           CAR1811         S005670         CEG9860           CAR1810         R098371         CEHB860           CAR1810         R098370         CEG7860  |                | S014136 | CETA860 |
| S014133         CEHB860           CAR2009         S014132         CEG6860           CAR2005         S012663         CEG6860           CAR2005         S012663         CEG6860           CAR2006         CEHC860         CEHC860           CAR2002         S011000         CEG6860           CAR1907         S008425         CETA860           CAR1907         S008424         CEKP860           S008423         CEHD860         CEHC860           S008421         CEHB860         CEG8860           S008421         CEG8860         CEG7860           S008419         CEG6860         CAR1901         S006243         CEG6860           CAR1901         S006243         CEG6860         CAR1811         S005671         CEG9860           CAR1811         S005670         CEG9860         CAR1810         R098371         CEHB860           CAR1810         R098371         CEHB860         CEG7860  |                | S014135 | CEHD860 |
| CAR2009         S014132         CEG6860           CAR2009         S014635         CEG6860           CAR2005         S012046         CEHC860           S012046         CEHB860         CEHB860           CAR2002         S011000         CEG6860           CAR1907         S008426         CETA860           CAR1907         S008425         CEKZ860           S008424         CEKP860         CEHD860           S008423         CEHD860         CEHB860           S008421         CEHB860         CEG7860           S008420         CEG8860         CAR1901         S006243         CEG6860           CAR1901         S006243         CEG6860         CAR1811         S005671         CEG9860           CAR1811         S005671         CEG9860         CAR1810         CEHB860         CAR1860           CAR1810         R098371         CEHB860         CEHB860         CAR1810         CEG7860  |                | S014134 | CEHC860 |
| CAR2009         S014635         CEG6860           CAR2005         S012663         CEG6860           S012046         CEHC860           S012045         CEHB860           CAR2002         S011000         CEG6860           CAR1907         S008426         CETA860           S008425         CEKZ860         CEKZ860           S008424         CEKP860         CEHD860           S008423         CEHC860         CEHC860           S008421         CEHB860         CEG7860           S008419         CEG7860         CAR1901         S006243         CEG6860           CAR1901         S006186         CEG9860         CAR1811         S005671         CEG9860           CAR1811         S005670         CEG9860         CAR1810         R098371         CEHB860           CAR1810         R098371         CEHB860         CEG7860  |                | S014133 | СЕНВ860 |
| CAR2005         S012663         CEG6860           S012046         CEHC860           S012045         CEHB860           CAR2002         S011000         CEG6860           CAR1907         S008426         CETA860           S008425         CEKZ860         CEKP860           S008424         CEKP860         CEHD860           S008423         CEHC860         CEHB860           S008421         CEHB860         CEG7860           S008419         CEG7860         CEG6860           CAR1901         S006243         CEG6860           CAR1811         S005671         CEG9860           CAR1811         S005670         CEG9860           CAR1810         R098371         CEHB860           CAR1810         R098370         CEG7860  |                | S014132 | CEG6860 |
| S012046 CEHC860  S012045 CEHB860  CAR2002 S011000 CEG6860  CAR1907 S008426 CETA860  S008425 CEKZ860  S008424 CEKP860  S008423 CEHD860  S008422 CEHC860  S008421 CEHB860  S008421 CEHB860  S008419 CEG7860  S008418 CEG6860  CAR1901 S006243 CEG6860  CAR1901 S006243 CEG6860  CAR1811 S005671 CEG9860  S004601 CEHB860  CAR1810 R098371 CEHB860  CAR1810 R098370 CEG7860   | CAR2009        | S014635 | CEG6860 |
| CAR2002       S012045       CEHB860         CAR2002       S011000       CEG6860         CAR1907       S008426       CETA860         S008425       CEKZ860         S008424       CEKP860         S008423       CEHD860         S008421       CEHB860         S008421       CEHB860         S008420       CEG8860         S008419       CEG7860         CAR1901       S006243       CEG6860         CAR1811       S005671       CEG9860         CAR1811       S005670       CEG9860         CAR1810       R098371       CEHB860         CAR1810       R098370       CEG7860  | CAR2005        | S012663 | CEG6860 |
| CAR2002 S011000 CEG6860 CAR1907 S008426 CETA860 S008425 CEKZ860 S008424 CEKP860 S008422 CEHD860 S008421 CEHB860 S008420 CEG8860 S008419 CEG7860 S008418 CEG6860 CAR1901 S006243 CEG6860 CAR1811 S005671 CEG9860 CAR1811 S005670 CEG9860 CAR1810 R098371 CEHB860 CAR1810 R098370 CEG7860  |                | S012046 | CEHC860 |
| CAR1907 S008426 CETA860  S008425 CEKZ860  S008424 CEKP860  S008423 CEHD860  S008421 CEHB860  S008421 CEHB860  S008420 CEG8860  S008419 CEG7860  S008418 CEG6860  CAR1901 S006243 CEG6860  CAR1811 S005671 CEG9860  CAR1811 S005670 CEG9860  CAR1810 R098371 CEHB860  R098370 CEG7860   |                | S012045 | СЕНВ860 |
| S008425 CEKZ860 S008424 CEKP860 S008423 CEHD860 S008422 CEHC860 S008421 CEHB860 S008420 CEG8860 S008419 CEG7860 S008418 CEG6860 CAR1901 S006243 CEG6860 CAR1811 S005671 CEG9860 S005670 CEG9860 S004601 CEHB860 CAR1810 R098371 CEHB860 R098370 CEG7860  | CAR2002        | S011000 | CEG6860 |
| S008424 CEKP860 S008423 CEHD860 S008422 CEHC860 S008421 CEHB860 S008420 CEG8860 S008419 CEG7860 S008418 CEG6860 CAR1901 S006243 CEG6860 CAR1811 S005671 CEG9860 S005670 CEG9860 S004601 CEHB860 CAR1810 R098371 CEHB860 R098370 CEG7860  | CAR1907        | S008426 | CETA860 |
| S008423 CEHD860 S008422 CEHC860 S008421 CEHB860 S008420 CEG8860 S008419 CEG7860 S008418 CEG6860 CAR1901 S006243 CEG6860 CAR1811 S005671 CEG9860 S005670 CEG9860 S004601 CEHB860 CAR1810 R098371 CEHB860 R098370 CEG7860  |                | S008425 | CEKZ860 |
| S008422 CEHC860 S008421 CEHB860 S008420 CEG8860 S008419 CEG7860 S008418 CEG6860 CAR1901 S006243 CEG6860 S006186 CEG6860 CAR1811 S005671 CEG9860 S005670 CEG9860 S004601 CEHB860 CAR1810 R098371 CEHB860 R098370 CEG7860  |                | S008424 | CEKP860 |
| S008421 CEHB860 S008420 CEG8860 S008419 CEG7860 S008418 CEG6860 CAR1901 S006243 CEG6860 CAR1811 S005671 CEG9860 S005670 CEG9860 S004601 CEHB860 CAR1810 R098371 CEHB860 R098370 CEG7860  |                | S008423 | CEHD860 |
| S008420 CEG8860 S008419 CEG7860 S008418 CEG6860 CAR1901 S006243 CEG6860 S006186 CEG6860 CAR1811 S005671 CEG9860 S005670 CEG9860 S004601 CEHB860 CAR1810 R098371 CEHB860 R098370 CEG7860  |                | S008422 | CEHC860 |
| S008419 CEG7860 S008418 CEG6860 CAR1901 S006243 CEG6860 S006186 CEG6860 CAR1811 S005671 CEG9860 S005670 CEG9860 S004601 CEHB860 CAR1810 R098371 CEHB860 R098370 CEG7860  |                | S008421 | СЕНВ860 |
| S008418 CEG6860 CAR1901 S006243 CEG6860 S006186 CEG6860 CAR1811 S005671 CEG9860 S005670 CEG9860 S004601 CEHB860 CAR1810 R098371 CEHB860 R098370 CEG7860  |                | S008420 | CEG8860 |
| CAR1901 S006243 CEG6860 S006186 CEG6860 CAR1811 S005671 CEG9860 S005670 CEG9860 S004601 CEHB860 CAR1810 R098371 CEHB860 R098370 CEG7860  |                | S008419 | CEG7860 |
| S006186 CEG6860 CAR1811 S005671 CEG9860 S005670 CEG9860 S004601 CEHB860 CAR1810 R098371 CEHB860 R098370 CEG7860  |                | S008418 | CEG6860 |
| CAR1811 S005671 CEG9860 S005670 CEG9860 S004601 CEHB860 CAR1810 R098371 CEHB860 R098370 CEG7860  | CAR1901        | S006243 | CEG6860 |
| S005670 CEG9860 S004601 CEHB860 CAR1810 R098371 CEHB860 R098370 CEG7860  |                | S006186 | CEG6860 |
| S004601 CEHB860 CAR1810 R098371 CEHB860 R098370 CEG7860  | CAR1811        | S005671 | CEG9860 |
| CAR1810 R098371 CEHB860<br>R098370 CEG7860   |                | S005670 | CEG9860 |
| R098370 CEG7860  |                | S004601 | СЕНВ860 |
|  | CAR1810        | R098371 | СЕНВ860 |
| R098369 CEG6860  |                | R098370 | CEG7860 |
|  |                | R098369 | CEG6860 |
| CAR1808 S004427 CEKP860  | CAR1808        | S004427 | CEKP860 |
| S003875 CEHB860  |                | S003875 | СЕНВ860 |

## Gen 8.6 All CA RS Levels Service List

| CA RS<br>Level | Service | FMID    |
|----------------|---------|---------|
| CAR1805        | R099134 | CEG6860 |
| CAR1710        | R097902 | CEG6860 |
|                | R097591 | CEG7860 |
| CAR1703        | R094544 | CEHC860 |
| CAR1702        | R093862 | CETA860 |
|                | R093836 | CEHD860 |
|                | R093835 | CEHC860 |
|                | R093834 | СЕНВ860 |
|                | R093833 | CEG9860 |
|                | R093832 | CEG8860 |
|                | R093831 | CEG6860 |
|                | R093762 | CEHC860 |
| CAR1611        | R092447 | CEHD860 |
|                | R092427 | CEHC860 |