

ACF2 16.0  
CA RS 2202 Service List

1

| Service                                             | Description                                                  | Type |
|-----------------------------------------------------|--------------------------------------------------------------|------|
| LU01752                                             | SERIALIZE LE MODULES                                         | PTF  |
| LU02083                                             | MISSING MEMBER LEVEL PROTECTION ON PDSES FOR DESERV GET CALL | PTF  |
| LU02126                                             | ACF79903 LDS CANNOT BE STARTED - ALREADY ACTIVE              | PTF  |
| LU02339                                             | CICS: DS0002 ABEND ON OPENAPI PROGRAM FILE ACCESS VIOLATION  | PTF  |
| LU02351                                             | SOC4 ABEND IN CAS4DEB W/PDS MEMBER-LEVEL PROTECTION ACTIVE   | PTF  |
| LU02467                                             | PHRASE MAX-VIO SUSPEND NOT SEND TO REMOTE CPF NODE           | PTF  |
| LU02585                                             | ACCESS COMMAND - INCORRECT RESULTS IF NEXTKEY RULE NOT FOUND | PTF  |
| LU02644                                             | ADD LOGSTR INFORMATION TO RACROUTE FOR SEVERAL USS SERVICES  | PTF  |
| LU02738                                             | OMVS PROFILE PARAMETER FILEPROC LIMIT IS 131072              | PTF  |
| LU02855                                             | SAF FASTAUTH CALL FOR CSFKEYS W/CRITERIA INCORRECTLY ALLOWED | PTF  |
| LU03269                                             | ADD EXCLUDE CHARACTER LISTS TO GSO PSWD AND PWPHRASE         | PTF  |
| LU03462                                             | SOC4 ABEND CAS4DEB+17B4 R15=7FFFFBAD;NULL CDE ENTRY POINT    | PTF  |
| LU03498                                             | CORRECT SOC4 IN SAFCRGRI WHEN NO RINGTABLE EXISTS IN SAFIVT  | PTF  |
| LU03634                                             | RECKEY PROBLEM WHEN KEY LONGER THAN 256                      | PTF  |
| LU03722                                             | TAMZ NON-CNCL NOT ALLOWING ACCESS TO PROGRAM IN GSO PPGM     | PTF  |
| LU04090                                             | ADD XCF TO HELP FOR MODIFY COMMANDS UNDER ACF COMMAND        | PTF  |
| The CA RS 2202 service count for this release is 16 |                                                              |      |

ACF2  
CA RS 2202 Service List for CAX1G00

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| FMID                                             | Service | Description                                                  | Type |
|--------------------------------------------------|---------|--------------------------------------------------------------|------|
| CAX1G00                                          | LU01752 | SERIALIZE LE MODULES                                         | PTF  |
|                                                  | LU02083 | MISSING MEMBER LEVEL PROTECTION ON PDSES FOR DESERV GET CALL | PTF  |
|                                                  | LU02126 | ACF79903 LDS CANNOT BE STARTED - ALREADY ACTIVE              | PTF  |
|                                                  | LU02351 | SOC4 ABEND IN CAS4DEB W/PDS MEMBER-LEVEL PROTECTION ACTIVE   | PTF  |
|                                                  | LU02467 | PHRASE MAX-VIO SUSPEND NOT SEND TO REMOTE CPF NODE           | PTF  |
|                                                  | LU02585 | ACCESS COMMAND - INCORRECT RESULTS IF NEXTKEY RULE NOT FOUND | PTF  |
|                                                  | LU02644 | ADD LOGSTR INFORMATION TO RACROUTE FOR SEVERAL USS SERVICES  | PTF  |
|                                                  | LU02738 | OMVS PROFILE PARAMETER FILEPROC LIMIT IS 131072              | PTF  |
|                                                  | LU02855 | SAF FASTAUTH CALL FOR CSFKEYS W/CRITERIA INCORRECTLY ALLOWED | PTF  |
|                                                  | LU03269 | ADD EXCLUDE CHARACTER LISTS TO GSO PSWD AND PWPHRASE         | PTF  |
|                                                  | LU03462 | SOC4 ABEND CAS4DEB+17B4 R15=7FFFFBAD;NULL CDE ENTRY POINT    | PTF  |
|                                                  | LU03498 | CORRECT SOC4 IN SAFCRGRI WHEN NO RINGTABLE EXISTS IN SAFIVT  | PTF  |
|                                                  | LU03634 | RECKEY PROBLEM WHEN KEY LONGER THAN 256                      | PTF  |
|                                                  | LU03722 | TAMZ NON-CNCL NOT ALLOWING ACCESS TO PROGRAM IN GSO PPGM     | PTF  |
|                                                  | LU04090 | ADD XCF TO HELP FOR MODIFY COMMANDS UNDER ACF COMMAND        | PTF  |
| The CA RS 2202 service count for this FMID is 15 |         |                                                              |      |

ACF2  
CA RS 2202 Service List for CAX1G03

| FMID                                            | Service | Description                                                 | Type |
|-------------------------------------------------|---------|-------------------------------------------------------------|------|
| CAX1G03                                         | LU02339 | CICS: DS0002 ABEND ON OPENAPI PROGRAM FILE ACCESS VIOLATION | PTF  |
| The CA RS 2202 service count for this FMID is 1 |         |                                                             |      |

ACF2 16.0  
CA RS 2202 - PTF LU01752 Details

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| Service     | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |              |
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| LU01752     | <p>LU01752 M.C.S. ENTRIES = ++PTF (LU01752)</p> <p>SERIALIZE LE MODULES</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>Serialized certificate processing.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA-ACF2-MVS Version 16.0</p> <p>Related Problem:</p> <p>ACF2MS 13205</p> <p>(C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>DESC(SERIALIZE LE MODULES).</p> <p>++VER (Z038)</p> <p>FMID (CAX1G00)</p> <p>PRE ( LU01734 LU03622 R080625 R080946 R084732 R084877</p> <p>R084952 R089501 R089602 R092884 R094599 R095082</p> <p>R095218 R095350 R095610 R095905 R096914 S000010</p> <p>S001563 S003889 S005219 S005764 S006579 S008589</p> <p>S009398 S010329 S011690 S013143 S014852 S016122</p> <p>S016145 )</p> <p>SUP ( AC87799 LT00765 LT01061 LT01752 LU00765 R080415</p> <p>R083834 R085622 R087685 R087944 R089116 R090049</p> <p>R095168 R096003 R097246 S003891 S005485 S005771</p> <p>S006747 S007290 S008259 S008263 S010295 S012963</p> <p>S013513 S013754 S016264 ST03891 ST05485 ST05771</p> <p>ST06747 ST07290 ST08259 ST08263 ST10295 ST12963</p> <p>ST13513 ST13754 ST16264 TR80415 TR83834 TR85622</p> <p>TR87685 TR87944 TR89116 TR90049 TR95168 TR95575</p> <p>TR96003 TR97246 )</p> <p>++HOLD (LU01752) SYSTEM FMID(CAX1G00)</p> <p>REASON (DYNACT ) DATE (22024)</p> <p>COMMENT (</p> <table border="1"> <tr> <td>CA-ACF2-MVS</td><td>Version 16.0</td></tr> </table> <p> SEQUENCE   After Apply  </p> <p> PURPOSE   Activate change without IPL  </p> <p> USERS   All users  </p> <p> AFFECTED    </p> <p> KNOWLEDGE   Operator commands  </p> <p> REQUIRED    </p> <p> ACCESS   z/OS Operator console  </p> <p> REQUIRED    </p> <p>*****</p> <p>* STEPS TO PERFORM *</p> <p>*****</p> <p>1. LLA Refresh</p> <p>2. F ACF2,NEWMOD(ACF9C000)</p> <p>3. F ACF2,NEWMOD(SAFCRGCT)</p> | CA-ACF2-MVS | Version 16.0 |
| CA-ACF2-MVS | Version 16.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |              |

ACF2 16.0  
CA RS 2202 - PTF LU01752 Details

| Service | Details                    |
|---------|----------------------------|
|         | 4. F ACF2,NEWMOD(SAFCRTBU) |
|         | 5. F ACF2,NEWMOD(SAFCRXTR) |
|         | 6. F ACF2,NEWMOD(SAFCRX12) |
|         | 7. F ACF2,NEWMOD(SAFOEDRV) |
|         | 8. F ACF2,NEWMOD(SAFFESTA) |
|         | 9. Stop and restart ACF2   |
|         | ).                         |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LU02083 | <p>LU02083 M.C.S. ENTRIES = ++PTF (LU02083)</p> <p>MISSING MEMBER LEVEL PROTECTION ON PDSES FOR DESERV GET CALL<br/>PROBLEM DESCRIPTION:<br/>Expected access vio does not occur on a DESERV GET call for PDS/Es.<br/>SYMPTOMS:<br/>Missing Member-level protection violation<br/>IMPACT:<br/>Varies<br/>CIRCUMVENTION:<br/>None<br/>PRODUCT(S) AFFECTED:<br/>CA-ACF2-MVS Version 16.0<br/>Related Problem:<br/>ACF2MS 14222<br/>(C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>DESC(MISSING MEMBER LEVEL PROTECTION ON PDSES FOR DESERV GET CALL).<br/>++VER (Z038)<br/>FMID (CAX1G00)<br/>PRE ( LU03622 )<br/>SUP ( LT00553 LT02083 LU00553 S014051 ST14051 )<br/>++HOLD (LU02083) SYSTEM FMID(CAX1G00)<br/>REASON (IPL ) DATE (22026)<br/>COMMENT (</p> <pre> +-----+        CA-ACF2-MVS                      Version 16.0        +-----+  SEQUENCE   After Apply                                       +-----+  PURPOSE    Enable new code                                       +-----+  USERS      Users of PDS Member Level Protection                    AFFECTED                                                             +-----+  KNOWLEDGE  z/OS Console                                            REQUIRED                                                             +-----+  ACCESS     z/OS Console                                            REQUIRED                                                             +-----+ ***** * STEPS    TO    PERFORM * ***** 1. IPL CLPA ).</pre> |

| Service     | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |              |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|
| LU02126     | <p>LU02126 M.C.S. ENTRIES = ++PTF (LU02126)</p> <p>ACF79903 LDS CANNOT BE STARTED - ALREADY ACTIVE</p> <p>PROBLEM DESCRIPTION:</p> <p>Issuing F ACF2,LDS(START) results in message</p> <p>ACF79903 LDS cannot be started - already active</p> <p>even though LDS is not active.</p> <p>Issuing F ACF2,LDS(STOP) results in message</p> <p>ACF79904 LDS not active</p> <p>SYMPTOMS:</p> <p>When LDS is started: ACF79903 LDS cannot be started - already active</p> <p>When LDS is stopped: ACF79904 LDS not active</p> <p>IMPACT:</p> <p>LDS cannot be started</p> <p>CIRCUMVENTION:</p> <p>Make sure there are active LDAP records</p> <p>IPL</p> <p>F ACF2,LDS(START) (if needed)</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA-ACF2-MVS Version 16.0</p> <p>Related Problem:</p> <p>ACF2MS 14270</p> <p>(C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>DESC (ACF79903 LDS CANNOT BE STARTED - ALREADY ACTIVE) .</p> <p>++VER (Z038)</p> <p>FMID (CAX1G00)</p> <p>PRE ( LU00294 LU03622 R084877 R092884 R099162 S011443</p> <p>S012291 )</p> <p>SUP ( LT02126 S010412 S014601 ST10412 ST14601 )</p> <p>++HOLD (LU02126) SYSTEM FMID(CAX1G00)</p> <p>REASON (DYNACT ) DATE (22026)</p> <p>COMMENT (</p> <table border="1"> <tr> <td>CA-ACF2-MVS</td><td>Version 16.0</td></tr> </table> <p>SEQUENCE   After Apply</p> <p>PURPOSE   Activate change without an IPL</p> <p>USERS   All users</p> <p>AFFECTED  </p> <p>KNOWLEDGE   Operator commands</p> <p>REQUIRED  </p> <p>ACCESS   z/OS Operator commands</p> <p>REQUIRED  </p> <p>*****</p> <p>* STEPS TO PERFORM *</p> <p>*****</p> <p>1. LLA Refresh</p> | CA-ACF2-MVS | Version 16.0 |
| CA-ACF2-MVS | Version 16.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |              |

ACF2 16.0  
CA RS 2202 - PTF LU02126 Details

| Service | Details                        |
|---------|--------------------------------|
|         | 2. Stop and restart ACF2<br>). |



| Service          | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |              |          |             |         |                 |       |           |          |  |           |                       |          |  |        |              |          |                |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|----------|-------------|---------|-----------------|-------|-----------|----------|--|-----------|-----------------------|----------|--|--------|--------------|----------|----------------|
| LU02339          | <p>LU02339 M.C.S. ENTRIES = ++PTF (LU02339)</p> <p>CICS: DS0002 ABEND ON OPENAPI PROGRAM FILE ACCESS VIOLATION</p> <p>PROBLEM DESCRIPTION:</p> <p>If a CICS transaction program has the OPENAPI attribute, the CICS task will run under an L9 (OTE) TCB. If a resource violation occurs, an ACFAE913 message gets written to the terminal user, followed by a 2-second delay for the user to read it.</p> <p>If the Delay is done via XPI SUSPEND services under the L9 TCB, a DS0002 CICS abend will occur. This change will ensure that when a violation occurs under a TCB other than the QR TCB, EXEC CICS DELAY will be used for the 2-second wait.</p> <p>SYMPTOMS:</p> <p>CICS DS0002 abend and dump.</p> <p>IMPACT:</p> <p>Transaction termination</p> <p>CIRCUMVENTION:</p> <p>Do not specify OPENAPI on application program definitions.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA-ACF2-MVS Version 16.0</p> <p>Related Problem:</p> <p>ACF2MS 14442</p> <p>(C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>DESC(CICS: DS0002 ABEND ON OPENAPI PROGRAM FILE ACCESS VIOLATION).</p> <p>++VER (Z038)</p> <p>FMID (CAX1G03)</p> <p>PRE ( LU03625 R085868 R096854 R096890 S004012 S009833 )</p> <p>SUP ( LT02339 )</p> <p>++HOLD (LU02339) SYSTEM FMID(CAX1G03)</p> <p>REASON (DYNACT ) DATE (22026)</p> <p>COMMENT (</p> <table border="1"> <tr> <td>CA-ACF2-MVS CICS</td><td>Version 16.0</td></tr> <tr> <td>SEQUENCE</td><td>After Apply</td></tr> <tr> <td>PURPOSE</td><td>Enable new code</td></tr> <tr> <td>USERS</td><td>All users</td></tr> <tr> <td>AFFECTED</td><td></td></tr> <tr> <td>KNOWLEDGE</td><td>z/OS Console commands</td></tr> <tr> <td>REQUIRED</td><td></td></tr> <tr> <td>ACCESS</td><td>z/OS Console</td></tr> <tr> <td>REQUIRED</td><td>CICS region(s)</td></tr> </table> <p>*****</p> <p>* STEPS TO PERFORM *</p> <p>*****</p> <p>1. LLA Refresh (if applicable)</p> <p>2. CICS transaction: ACFE=NEWC=CAKSMMSGH</p> <p>).</p> | CA-ACF2-MVS CICS | Version 16.0 | SEQUENCE | After Apply | PURPOSE | Enable new code | USERS | All users | AFFECTED |  | KNOWLEDGE | z/OS Console commands | REQUIRED |  | ACCESS | z/OS Console | REQUIRED | CICS region(s) |
| CA-ACF2-MVS CICS | Version 16.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |              |          |             |         |                 |       |           |          |  |           |                       |          |  |        |              |          |                |
| SEQUENCE         | After Apply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |              |          |             |         |                 |       |           |          |  |           |                       |          |  |        |              |          |                |
| PURPOSE          | Enable new code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |              |          |             |         |                 |       |           |          |  |           |                       |          |  |        |              |          |                |
| USERS            | All users                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |              |          |             |         |                 |       |           |          |  |           |                       |          |  |        |              |          |                |
| AFFECTED         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |              |          |             |         |                 |       |           |          |  |           |                       |          |  |        |              |          |                |
| KNOWLEDGE        | z/OS Console commands                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |              |          |             |         |                 |       |           |          |  |           |                       |          |  |        |              |          |                |
| REQUIRED         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |              |          |             |         |                 |       |           |          |  |           |                       |          |  |        |              |          |                |
| ACCESS           | z/OS Console                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |              |          |             |         |                 |       |           |          |  |           |                       |          |  |        |              |          |                |
| REQUIRED         | CICS region(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |              |          |             |         |                 |       |           |          |  |           |                       |          |  |        |              |          |                |

| Service     | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |              |          |             |         |                             |       |           |          |  |           |                   |          |  |        |                       |          |  |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|----------|-------------|---------|-----------------------------|-------|-----------|----------|--|-----------|-------------------|----------|--|--------|-----------------------|----------|--|
| LU02351     | <p>LU02351 M.C.S. ENTRIES = ++PTF (LU02351)</p> <p>SOC4 ABEND IN CAS4DEB W/PDS MEMBER-LEVEL PROTECTION ACTIVE</p> <p>PROBLEM DESCRIPTION:</p> <p>SOC4 abend may occur in CAS4DEB when using PDS Member-Level protection. R3 or R15 may = x'4F4F4F4F' as an incorrect UCB address.</p> <p>SYMPTOMS:</p> <p>Dump Title: CA PDS DEBCHK Security Routine Error</p> <p>IMPACT:</p> <p>Varies</p> <p>CIRCUMVENTION:</p> <p>None</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA-ACF2-MVS Version 16.0</p> <p>Related Problem:</p> <p>ACF2MS 14479</p> <p>(C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>DESC(SOC4 ABEND IN CAS4DEB W/PDS MEMBER-LEVEL PROTECTION ACTIVE).</p> <p>++VER (Z038)</p> <p>FMID (CAX1G00)</p> <p>PRE ( LU03622 )</p> <p>SUP ( AS03574 LT02351 NC87799 QC87799 R086542 R095963</p> <p>S000479 S003574 S005721 ST00479 ST03574 ST05721</p> <p>TR86542 TR95963 )</p> <p>++HOLD (LU02351) SYSTEM FMID(CAX1G00)</p> <p>REASON (DYNACT ) DATE (22026)</p> <p>COMMENT (</p> <table border="1"> <tr> <td>CA-ACF2-MVS</td><td>Version 16.0</td></tr> <tr> <td>SEQUENCE</td><td>After Apply</td></tr> <tr> <td>PURPOSE</td><td>Activate change without IPL</td></tr> <tr> <td>USERS</td><td>All users</td></tr> <tr> <td>AFFECTED</td><td></td></tr> <tr> <td>KNOWLEDGE</td><td>Operator commands</td></tr> <tr> <td>REQUIRED</td><td></td></tr> <tr> <td>ACCESS</td><td>z/OS Operator console</td></tr> <tr> <td>REQUIRED</td><td></td></tr> </table> <p>*****</p> <p>* STEPS TO PERFORM *</p> <p>*****</p> <p>1. LLA Refresh</p> <p>2. Run CAS4TERM</p> <p>3. Run CAS4INIT</p> <p>).</p> | CA-ACF2-MVS | Version 16.0 | SEQUENCE | After Apply | PURPOSE | Activate change without IPL | USERS | All users | AFFECTED |  | KNOWLEDGE | Operator commands | REQUIRED |  | ACCESS | z/OS Operator console | REQUIRED |  |
| CA-ACF2-MVS | Version 16.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |              |          |             |         |                             |       |           |          |  |           |                   |          |  |        |                       |          |  |
| SEQUENCE    | After Apply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |              |          |             |         |                             |       |           |          |  |           |                   |          |  |        |                       |          |  |
| PURPOSE     | Activate change without IPL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |              |          |             |         |                             |       |           |          |  |           |                   |          |  |        |                       |          |  |
| USERS       | All users                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |              |          |             |         |                             |       |           |          |  |           |                   |          |  |        |                       |          |  |
| AFFECTED    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |              |          |             |         |                             |       |           |          |  |           |                   |          |  |        |                       |          |  |
| KNOWLEDGE   | Operator commands                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |              |          |             |         |                             |       |           |          |  |           |                   |          |  |        |                       |          |  |
| REQUIRED    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |              |          |             |         |                             |       |           |          |  |           |                   |          |  |        |                       |          |  |
| ACCESS      | z/OS Operator console                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |              |          |             |         |                             |       |           |          |  |           |                   |          |  |        |                       |          |  |
| REQUIRED    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |              |          |             |         |                             |       |           |          |  |           |                   |          |  |        |                       |          |  |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| LU02467 | <div>LU02467    M.C.S. ENTRIES    = ++PTF (LU02467)</div> <div>PHRASE MAX-VIO SUSPEND NOT SEND TO REMOTE CPF NODE</div> <div>PROBLEM DESCRIPTION:</div> <div>When using CPF to keep logonids synchronized between multiple systems. Suspends that are set when a user hits the PASSLMT for password/phrase/kerberos violation, the suspend does not get sent to remote nodes. This will happen when the PASSLMT is hit on a PHRASE violation only.</div> <div>When a user hits the PASSLMT on the home node due to the total number of violations for PASSWORD, PHRASE, and KERBEROS added together, we send a flag to remote node to suspend that user. Since we do not actually set a flag for this suspension, it is the violations added together that cause the suspension. In CPF we see this flag on remote systems and set the PSWD-VIO field to the PASSLMT value on the remote system.</div> <div>This fix will also correct an error where we attempt to turn off the PSWD-EXP flag in a users logonid on remote systems when they logon successfully with a new PWPHRASE. We should only be turning off the PWP-EXP flag on all systems.</div> <div>SYMPTOMS:</div> <div>Logonid not suspended on remote systems due to PHRASE violation.</div> <div>A user does not get PWP-EXP on remote systems when they logon with a valid new PWPHRASE.</div> <div>IMPACT:</div> <div>Systems out of sync.</div> <div>CIRCUMVENTION:</div> <div>None</div> <div>PRODUCT(S) AFFECTED:</div> <div>CA-ACF2-MVS<div>Version 16.0</div></div> <div>Related Problem:</div> <div>ACF2MS 14533</div> <div>(C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved</div> <div>DESC(PHRASE MAX-VIO SUSPEND NOT SEND TO REMOTE CPF NODE).</div> <div>++VER (Z038)</div> <div>FMID (CAX1G00)</div> <div>PRE ( LU01752 LU03622 S001563 S006579 )</div> <div>SUP ( LT01879 LT02467 R085622 TR85622 )</div> <div>++HOLD (LU02467) SYSTEM FMID(CAX1G00)</div> <div>REASON (DYNACT )    DATE (22026)</div> <div>COMMENT (</div> <div><div><div>CA-ACF2-MVS</div><div>Version 16.0</div></div></div> <div><div>SEQUENCE</div><div>After Apply</div></div> <div><div>PURPOSE</div><div>Activate change without IPL</div></div> <div><div>USERS</div><div>All users of CPF</div></div> <div><div>AFFECTED</div><div></div></div> <div><div>KNOWLEDGE</div><div>Operator commands</div></div> <div><div>REQUIRED</div><div></div></div> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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|         | <pre> +-----+-----+  ACCESS    z/OS Operator console         REQUIRED                                  +-----+-----+ ***** * STEPS   TO   PERFORM * ***** 1. F LLA,REFRESH 2. F ACF2,NEWMOD(ACF00SVA) 3. Restart ACF2 ). ++HOLD (LU02467) SYSTEM FMID(CAX1G00) REASON (MULTSYS)   DATE (22026) COMMENT ( +-----+-----+        ACF2 for z/OS                      Version 16.0        +-----+-----+  SEQUENCE   After Apply                                 +-----+-----+  PURPOSE    Activate change without IPL                +-----+-----+  USERS      All users of CPF                            AFFECTED                                               +-----+-----+  KNOWLEDGE  Operator commands                          REQUIRED                                               +-----+-----+  ACCESS     z/OS Operator console                       REQUIRED                                               +-----+-----+ ***** * STEPS   TO   PERFORM * ***** This fix needs to be applied on all sending and receiving remote CPF nodes for the support to be implemented. ). </pre> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| LU02585 | <p>LU02585 M.C.S. ENTRIES = ++PTF (LU02585)</p> <p>ACCESS COMMAND - INCORRECT RESULTS IF NEXTKEY RULE NOT FOUND</p> <p>PROBLEM DESCRIPTION:</p> <p>The ACF2 ACCESS subcommand gives incorrect results when a rule line contains a NEXYKEY that doesn't exist. When the NEXTKEY rule doesn't exist, the ACCESS subcommand does not continue on to process the next rule lines in the original rule.</p> <p>SYMPTOMS:</p> <p>Missing output from the ACCESS subcommand after a NEXTKEY rule is not found. The ACCESS subcommand ends with the following messages:</p> <p>ACF60301 nextkey_value RULESET NOT FOUND<br/>(nextkey_value is the NEXTKEY rule name)</p> <p>ACF60315 ALL LOGONIDS PREVENTED ACCESS RULE</p> <p>IMPACT:</p> <p>Missing output from the ACCESS subcommand after a NEXTKEY rule is not found. The ACCESS subcommand ends.</p> <p>CIRCUMVENTION:</p> <p>Correct the rule line with the non-existent NEXTKEY value.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA-ACF2-MVS <span style="float: right;">Version 16.0</span></p> <p>Related Problem:</p> <p>ACF2MS 14581</p> <p>(C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>DESC (ACCESS COMMAND - INCORRECT RESULTS IF NEXTKEY RULE NOT FOUND).<br/>++VER (Z038)<br/>FMID (CAX1G00)<br/>PRE ( LU01074 LU03622 )<br/>SUP ( LT02585 S008613 S012788 S014649 S014742 S015874<br/>ST08613 ST12788 ST14649 ST14742 ST15874 )<br/>++HOLD (LU02585) SYSTEM FMID(CAX1G00)<br/>REASON (DYNACT ) DATE (22025)<br/>COMMENT (</p> <pre> +-----+        CA-ACF2-MVS                      Version 16.0        +-----+  SEQUENCE   After Apply                                       +-----+  PURPOSE    Activate change without IPL                           +-----+  USERS      All users of the ACCESS command                        AFFECTED                                                         +-----+  KNOWLEDGE  Operator commands                                      REQUIRED                                                         +-----+  ACCESS     z/OS Operator console                                  REQUIRED                                                         +-----+ ***** *  STEPS      TO      PERFORM  * ***** 1. LLA Refresh </pre> |

| Service | Details               |
|---------|-----------------------|
|         | 2. Restart ACF2<br>). |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| LU02644 | <p>LU02644 M.C.S. ENTRIES = ++PTF (LU02644)</p> <p>ADD LOGSTR INFORMATION TO RACROUTE FOR SEVERAL USS SERVICES<br/>ENHANCEMENT DESCRIPTION:</p> <p>Add support for auditing information to RACROUTE LOGSTR<br/>The following Unix commands and callable services has been updated<br/>to produce log string (LOGSTR) information to the RACROUTE macros.<br/>These new log strings are viewable in the ACFRPTVR report.<br/>The commands / callable services are shown below. Where there is a<br/>callable service (C/C++ function) that provides the same function as<br/>the line command, it is also supported.</p> <p>chmod<br/>chown<br/>mount &amp; unmount<br/>user mount &amp; user unmount<br/>mount no audit &amp; unmount no audit<br/>user mount no audit &amp; user unmount no audit<br/>mount with SETUID &amp; unmount with SETUID<br/>quiesce &amp; unquiesce<br/>quiesce with SETUID &amp; unquiesce with SETUID<br/>chmount &amp; chmount with SETUID<br/>nice()<br/>pfscctl()<br/>setpriority()<br/>vregister()<br/>shmmcv<br/>mv / rename()<br/>ln / link()<br/>stat()<br/>open()<br/>rm / unlink()<br/>mkdir / mkdir()<br/>rmdir / rmdir()<br/>lstat / lstat()<br/>opendir()<br/>symlink()<br/>access()<br/>eaccess()<br/>readlink()<br/>realpath()<br/>PRODUCT(S) AFFECTED:<br/>CA-ACF2-MVS Version 16.0<br/>Related Problem:<br/>ACF2MS 14310<br/>(C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>DESC(ADD LOGSTR INFORMATION TO RACROUTE FOR SEVERAL USS SERVICES).<br/>++VER (Z038)<br/>FMID (CAX1G00)<br/>PRE ( LU03622 R084556 R088717 R091913 R095218 S005161<br/>S006579 S016143 )<br/>SUP ( LT02314 LT02644 R095586 R096074 S001099 ST01099<br/>TR95586 TR96074 )<br/>++HOLD (LU02644) SYSTEM FMID(CAX1G00)</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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|         | <pre> REASON (DYNACT )      DATE (22026) COMMENT ( +-----+        CA-ACF2-MVS                      Version 16.0        +-----+  SEQUENCE   After Apply                                       +-----+  PURPOSE    Activate change                                         +-----+  USERS      All users                                                 AFFECTED                                                             +-----+  KNOWLEDGE  Operator commands                                       REQUIRED                                                             +-----+  ACCESS     z/OS Operator console                                   REQUIRED                                                             +-----+ ***** *  STEPS      TO      PERFORM  * ***** 1. LLA Refresh 2. F ACF2,NEWMOD(SAFOEDRV) ) . </pre> |



| Service     | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |              |       |  |          |             |       |  |         |                                |       |  |       |           |          |  |       |  |           |                       |          |  |       |  |        |              |          |  |       |  |
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| LU02738     | <p>LU02738 M.C.S. ENTRIES = ++PTF (LU02738)</p> <p>OMVS PROFILE PARAMETER FILEPROC LIMIT IS 131072</p> <p>PROBLEM DESCRIPTION:</p> <p>The current upper limit for the FILEPROC parameter in the ACF2 for z/OS OMVS profile record is 131072. The underlying OMVS parameter, MAXFILEPROC in the BPXPRMxx member of PARMLIB, has a maximum legal value of 524287. We are changing the upper limit for the ACF2 for z/OS FILEPROC parameter so that it matches the upper limit for MAXFILEPROC.</p> <p>SYMPTOMS:</p> <p>If you attempt to define or update an OMVS profile record and specify a FILEPROC value higher than 131072 you will receive error message:<br/>ACF00215 INVALID VALUE SPECIFIED FOR FIELD FILEPROC</p> <p>IMPACT:</p> <p>You are not able to specify FILEPROC values larger than 131072.</p> <p>CIRCUMVENTION:</p> <p>None</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA-ACF2-MVS <span style="float: right;">Version 16.0</span></p> <p>Related Problem:</p> <p>ACF2MS 14782</p> <p>(C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>DESC(OMVS PROFILE PARAMETER FILEPROC LIMIT IS 131072).</p> <p>++VER (Z038)</p> <p>FMID (CAX1G00)</p> <p>PRE ( LU03622 )</p> <p>SUP ( LT02738 )</p> <p>++HOLD (LU02738) SYSTEM FMID(CAX1G00)</p> <p>REASON (DYNACT ) DATE (22026)</p> <p>COMMENT (</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">CA-ACF2-MVS</td><td style="width: 50%; text-align: right;">Version 16.0</td></tr> <tr> <td colspan="2">-----</td></tr> <tr> <td>SEQUENCE</td><td>After Apply</td></tr> <tr> <td colspan="2">-----</td></tr> <tr> <td>PURPOSE</td><td>Enable code change without IPL</td></tr> <tr> <td colspan="2">-----</td></tr> <tr> <td>USERS</td><td>All users</td></tr> <tr> <td>AFFECTED</td><td></td></tr> <tr> <td colspan="2">-----</td></tr> <tr> <td>KNOWLEDGE</td><td>z/OS Console commands</td></tr> <tr> <td>REQUIRED</td><td></td></tr> <tr> <td colspan="2">-----</td></tr> <tr> <td>ACCESS</td><td>z/OS Console</td></tr> <tr> <td>REQUIRED</td><td></td></tr> <tr> <td colspan="2">-----</td></tr> </table> <p>*****</p> <p>* STEPS TO PERFORM *</p> <p>*****</p> <p>1. LLA Refresh</p> <p>2. F ACF2,NEWMOD(ACF00SVA)</p> <p>).</p> | CA-ACF2-MVS | Version 16.0 | ----- |  | SEQUENCE | After Apply | ----- |  | PURPOSE | Enable code change without IPL | ----- |  | USERS | All users | AFFECTED |  | ----- |  | KNOWLEDGE | z/OS Console commands | REQUIRED |  | ----- |  | ACCESS | z/OS Console | REQUIRED |  | ----- |  |
| CA-ACF2-MVS | Version 16.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |              |       |  |          |             |       |  |         |                                |       |  |       |           |          |  |       |  |           |                       |          |  |       |  |        |              |          |  |       |  |
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| SEQUENCE    | After Apply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |              |       |  |          |             |       |  |         |                                |       |  |       |           |          |  |       |  |           |                       |          |  |       |  |        |              |          |  |       |  |
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| PURPOSE     | Enable code change without IPL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |              |       |  |          |             |       |  |         |                                |       |  |       |           |          |  |       |  |           |                       |          |  |       |  |        |              |          |  |       |  |
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| USERS       | All users                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |              |       |  |          |             |       |  |         |                                |       |  |       |           |          |  |       |  |           |                       |          |  |       |  |        |              |          |  |       |  |
| AFFECTED    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |              |       |  |          |             |       |  |         |                                |       |  |       |           |          |  |       |  |           |                       |          |  |       |  |        |              |          |  |       |  |
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| KNOWLEDGE   | z/OS Console commands                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |              |       |  |          |             |       |  |         |                                |       |  |       |           |          |  |       |  |           |                       |          |  |       |  |        |              |          |  |       |  |
| REQUIRED    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |              |       |  |          |             |       |  |         |                                |       |  |       |           |          |  |       |  |           |                       |          |  |       |  |        |              |          |  |       |  |
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| ACCESS      | z/OS Console                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |              |       |  |          |             |       |  |         |                                |       |  |       |           |          |  |       |  |           |                       |          |  |       |  |        |              |          |  |       |  |
| REQUIRED    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |              |       |  |          |             |       |  |         |                                |       |  |       |           |          |  |       |  |           |                       |          |  |       |  |        |              |          |  |       |  |
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| LU02855     | <p>LU02855 M.C.S. ENTRIES = ++PTF (LU02855)</p> <p>SAF FASTAUTH CALL FOR CSFKEYS W/CRITERIA INCORRECTLY ALLOWED</p> <p>PROBLEM DESCRIPTION:</p> <p>With pervasive encryption, a SAF FASTAUTH call is made when an encrypted dataset is accessed for CLASS=CSFKEYS. On this call a CRITERIA is passed that has to match the the WHEN value in the resource rule used to validate the call. In a case where a site does not have the GSO RULEOPTS set to RULELONG, we will incorrectly allow the validation if a matching ruleline is found that matches everything except the WHEN value.</p> <p>SYMPTOMS:</p> <p>Incorrectly allow access to an encrypted dataset.</p> <p>IMPACT:</p> <p>Allowed access to a dataset where the user should not have access.</p> <p>CIRCUMVENTION:</p> <p>None</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA-ACF2-MVS Version 16.0</p> <p>Related Problem:</p> <p>ACF2MS 14842</p> <p>(C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>DESC(SAF FASTAUTH CALL FOR CSFKEYS W/CRITERIA INCORRECTLY ALLOWED).</p> <p>++VER (Z038)</p> <p>FMID (CAX1G00)</p> <p>PRE ( LU03622 )</p> <p>SUP ( LT02855 )</p> <p>++HOLD (LU02855) SYSTEM FMID(CAX1G00)</p> <p>REASON (DYNACT ) DATE (22026)</p> <p>COMMENT (</p> <table border="1"> <tr> <td>CA-ACF2-MVS</td><td>Version 16.0</td></tr> <tr> <td>SEQUENCE</td><td>After Apply</td></tr> <tr> <td>PURPOSE</td><td>Activate change</td></tr> <tr> <td>USERS</td><td>All users</td></tr> <tr> <td>AFFECTED</td><td></td></tr> <tr> <td>KNOWLEDGE</td><td>Operator commands</td></tr> <tr> <td>REQUIRED</td><td></td></tr> <tr> <td>ACCESS</td><td>z/OS Operator console</td></tr> <tr> <td>REQUIRED</td><td></td></tr> </table> <p>*****</p> <p>* STEPS TO PERFORM *</p> <p>*****</p> <p>1. LLA Refresh</p> <p>2. F ACF2,NEWMOD(ACF00SVA)</p> | CA-ACF2-MVS | Version 16.0 | SEQUENCE | After Apply | PURPOSE | Activate change | USERS | All users | AFFECTED |  | KNOWLEDGE | Operator commands | REQUIRED |  | ACCESS | z/OS Operator console | REQUIRED |  |
| CA-ACF2-MVS | Version 16.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |              |          |             |         |                 |       |           |          |  |           |                   |          |  |        |                       |          |  |
| SEQUENCE    | After Apply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |              |          |             |         |                 |       |           |          |  |           |                   |          |  |        |                       |          |  |
| PURPOSE     | Activate change                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |              |          |             |         |                 |       |           |          |  |           |                   |          |  |        |                       |          |  |
| USERS       | All users                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |              |          |             |         |                 |       |           |          |  |           |                   |          |  |        |                       |          |  |
| AFFECTED    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |              |          |             |         |                 |       |           |          |  |           |                   |          |  |        |                       |          |  |
| KNOWLEDGE   | Operator commands                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |              |          |             |         |                 |       |           |          |  |           |                   |          |  |        |                       |          |  |
| REQUIRED    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |              |          |             |         |                 |       |           |          |  |           |                   |          |  |        |                       |          |  |
| ACCESS      | z/OS Operator console                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |              |          |             |         |                 |       |           |          |  |           |                   |          |  |        |                       |          |  |
| REQUIRED    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |              |          |             |         |                 |       |           |          |  |           |                   |          |  |        |                       |          |  |

| Service | Details                           |
|---------|-----------------------------------|
|         | 3. F ACF2,NEWMOD (ACF9C000)<br>). |

| Service     | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |              |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|
| LU03269     | <p>LU03269 M.C.S. ENTRIES = ++PTF (LU03269)</p> <p>ADD EXCLUDE CHARACTER LISTS TO GSO PSWD AND PPHRASE<br/>ENHANCEMENT DESCRIPTION:<br/>ACF2 now provides the ability to exclude characters from new passwords and password phrases. The accepted excluded characters are (a-z, A-Z, 0-9) and national (@ # \$) characters. You can also specify if blanks are allowed in a new password phrase. The new GSO PSWD field is PSWDELST and the GSO PPHRASE fields are EXCLLIST and BLANKS.<br/>PRODUCT(S) AFFECTED:<br/>CA-ACF2-MVS Version 16.0<br/>Related Problem:<br/>ACF2MS 14868<br/>(C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>DESC(ADD EXCLUDE CHARACTER LISTS TO GSO PSWD AND PPHRASE).<br/>++VER (Z038)<br/>FMID (CAX1G00)<br/>PRE ( LU01074 LU03622 R080625 R084877 R084952 R088654<br/>R089501 R092400 R092884 R096914 R097779 R097921<br/>R099162 S000976 S001559 S001728 S003889 S003900<br/>S006579 S010329 S011443 )<br/>SUP ( IC87799 LT03269 R093303 R095642 S015033 ST15033<br/>TR93303 TR95642 )<br/>++HOLD (LU03269) SYSTEM FMID(CAX1G00)<br/>REASON (DYNACT ) DATE (22026)<br/>COMMENT (</p> <table border="1"> <tr> <td>CA-ACF2-MVS</td><td>Version 16.0</td></tr> </table> <p> SEQUENCE   After Apply  </p> <p> PURPOSE   Activate change without IPL  </p> <p> USERS   All users  </p> <p> AFFECTED    </p> <p> KNOWLEDGE   Operator commands  </p> <p> REQUIRED    </p> <p> ACCESS   z/OS Operator console  </p> <p> REQUIRED    </p> <p>*****</p> <p>* STEPS TO PERFORM *</p> <p>*****</p> <p>1. F LLA,REFRESH<br/>2. F ACF2,NEWMOD(ACF00SVA)<br/>) .</p> | CA-ACF2-MVS | Version 16.0 |
| CA-ACF2-MVS | Version 16.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |              |

| Service              | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |  |             |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |       |  |                      |  |       |  |                |  |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--|-------------|--------------|---------------------|--|----------|-------------|---------------------|--|---------|-----------------------------|---------------------|--|-------|-----------|----------|--|---------------------|--|-----------|-------------------|----------|--|---------------------|--|--------|-----------------------|----------|--|---------------------|--|-------|--|----------------------|--|-------|--|----------------|--|
| LU03462              | <p>LU03462 M.C.S. ENTRIES = ++PTF (LU03462)</p> <p>SOC4 ABEND CAS4DEB+17B4 R15=7FFFFBAD;NULL CDE ENTRY POINT</p> <p>PROBLEM DESCRIPTION:</p> <p>Apparently, when z/OS's SETPROG LPA,DELETE command deletes a module from the DLPA, it:</p> <ul style="list-style-type: none"> <li>- Nulls out the CDNAME field,</li> <li>- Sets the CDENTPT field to X 7FFFFBAD ,</li> <li>- FREEMAINS the storage that had been occupied by the deleted module.</li> </ul> <p>If ACF2 Member-Level protection examines this CDE, an SOC4 abend will occur because of the bad CDENTPT value</p> <p>SYMPTOMS:</p> <p>CAS4299E - CAS4DEB PDS Abend 00C4:</p> <p>PSW = 070C2000 95F1C7B4 Offset: +17B4</p> <p>IMPACT:</p> <p>SVCDump produced</p> <p>CIRCUMVENTION:</p> <p>None</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA-ACF2-MVS <span style="float: right;">Version 16.0</span></p> <p>Related Problem:</p> <p>ACF2MS 15312</p> <p>(C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>DESC(SOC4 ABEND CAS4DEB+17B4 R15=7FFFFBAD;NULL CDE ENTRY POINT).</p> <p>++VER (Z038)</p> <p>FMID (CAX1G00)</p> <p>PRE ( LU03622 )</p> <p>SUP ( AS03574 LT02351 LT03462 LU02351 NC87799 QC87799</p> <p>RO86542 RO95963 SO00479 SO03574 SO05721 ST00479</p> <p>ST03574 ST05721 TR86542 TR95963 )</p> <p>++HOLD (LU03462) SYSTEM FMID(CAX1G00)</p> <p>REASON (DYNACT ) DATE (22026)</p> <p>COMMENT (</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">+-----+-----+-----+</td> </tr> <tr> <td style="width: 60%;">  CA-ACF2-MVS</td> <td style="width: 40%;">  Version 16.0  </td> </tr> <tr> <td colspan="2">+-----+-----+-----+</td> </tr> <tr> <td> SEQUENCE</td> <td>  After Apply  </td> </tr> <tr> <td colspan="2">+-----+-----+-----+</td> </tr> <tr> <td> PURPOSE</td> <td>  Activate change without IPL  </td> </tr> <tr> <td colspan="2">+-----+-----+-----+</td> </tr> <tr> <td> USERS</td> <td>  All users  </td> </tr> <tr> <td> AFFECTED</td> <td>   </td> </tr> <tr> <td colspan="2">+-----+-----+-----+</td> </tr> <tr> <td> KNOWLEDGE</td> <td>  Operator commands  </td> </tr> <tr> <td> REQUIRED</td> <td>   </td> </tr> <tr> <td colspan="2">+-----+-----+-----+</td> </tr> <tr> <td> ACCESS</td> <td>  z/OS Operator console  </td> </tr> <tr> <td> REQUIRED</td> <td>   </td> </tr> <tr> <td colspan="2">+-----+-----+-----+</td> </tr> <tr> <td colspan="2">*****</td> </tr> <tr> <td colspan="2">* STEPS TO PERFORM *</td> </tr> <tr> <td colspan="2">*****</td> </tr> <tr> <td colspan="2">1. LLA Refresh</td> </tr> </table> | +-----+-----+-----+ |  | CA-ACF2-MVS | Version 16.0 | +-----+-----+-----+ |  | SEQUENCE | After Apply | +-----+-----+-----+ |  | PURPOSE | Activate change without IPL | +-----+-----+-----+ |  | USERS | All users | AFFECTED |  | +-----+-----+-----+ |  | KNOWLEDGE | Operator commands | REQUIRED |  | +-----+-----+-----+ |  | ACCESS | z/OS Operator console | REQUIRED |  | +-----+-----+-----+ |  | ***** |  | * STEPS TO PERFORM * |  | ***** |  | 1. LLA Refresh |  |
| +-----+-----+-----+  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |  |             |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |       |  |                      |  |       |  |                |  |
| CA-ACF2-MVS          | Version 16.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |  |             |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |       |  |                      |  |       |  |                |  |
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| SEQUENCE             | After Apply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |  |             |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |       |  |                      |  |       |  |                |  |
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| PURPOSE              | Activate change without IPL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |  |             |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |       |  |                      |  |       |  |                |  |
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| USERS                | All users                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |  |             |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |       |  |                      |  |       |  |                |  |
| AFFECTED             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |  |             |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |       |  |                      |  |       |  |                |  |
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| KNOWLEDGE            | Operator commands                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |  |             |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |       |  |                      |  |       |  |                |  |
| REQUIRED             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |  |             |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |       |  |                      |  |       |  |                |  |
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| ACCESS               | z/OS Operator console                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |  |             |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |       |  |                      |  |       |  |                |  |
| REQUIRED             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |  |             |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |       |  |                      |  |       |  |                |  |
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| *****                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |  |             |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |       |  |                      |  |       |  |                |  |
| * STEPS TO PERFORM * |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |  |             |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |       |  |                      |  |       |  |                |  |
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| 1. LLA Refresh       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |  |             |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |       |  |                      |  |       |  |                |  |

| Service | Details                                   |
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|         | 2. Run CAS4TERM<br>3. Run CAS4INIT<br>) . |

| Service     | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |              |
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| LU03498     | <p>LU03498 M.C.S. ENTRIES = ++PTF (LU03498)</p> <p>CORRECT SOC4 IN SAFCRGRI WHEN NO RINGTABLE EXISTS IN SAFIVT</p> <p>PROBLEM DESCRIPTION:</p> <p>If an R_DATALIB get_ring_infro call is made when no keyrings exist in the ACF2 database, SAFCRGRI will abend with a SOC4-11.</p> <p>SYMPTOMS:</p> <p>SOC4-11 will occur in SAFCRGRI module, and no ring information is returned.</p> <p>IMPACT:</p> <p>Applications attempting to retrieve a keyring via R_DATALIB services will abend and no data is retrieved (since there is no keyring info to retrieve).</p> <p>CIRCUMVENTION:</p> <p>Make sure there is at least one keyring in your security database prior to using R_DATALIB services to retrieve a keyring.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA-ACF2-MVS Version 16.0</p> <p>Related Problem:</p> <p>ACF2MS 15332</p> <p>(C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>DESC(CORRECT SOC4 IN SAFCRGRI WHEN NO RINGTABLE EXISTS IN SAFIVT).</p> <p>++VER (Z038)</p> <p>FMID (CAX1G00)</p> <p>PRE ( LU03622 R099742 S016122 )</p> <p>SUP ( LT03498 )</p> <p>++HOLD (LU03498) SYSTEM FMID(CAX1G00)</p> <p>REASON (DYNACT ) DATE (22027)</p> <p>COMMENT (</p> <table border="1"> <tr> <td>CA-ACF2-MVS</td><td>Version 16.0</td></tr> </table> <p>SEQUENCE   After Apply</p> <p>PURPOSE   Implement fix without an IPL</p> <p>USERS   R_DATALIB utilities</p> <p>AFFECTED  </p> <p>KNOWLEDGE   ACF2 SMP/e environment</p> <p>REQUIRED   Operator commands</p> <p>ACCESS   ACF2 SMP/e environment</p> <p>REQUIRED   Operator commands</p> <p>*****</p> <p>* STEPS TO PERFORM *</p> <p>*****</p> <p>1. Issue an LLA REFRESH</p> <p>2. Issue the following NEWMODs for ACF2:</p> <p>F ACF2,NEWMOD(SAFRT002)</p> <p>F ACF2,NEWMOD(SAFRT007)</p> <p>).</p> | CA-ACF2-MVS | Version 16.0 |
| CA-ACF2-MVS | Version 16.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             |              |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| LU03634 | <p>M.C.S. ENTRIES = ++PTF (LU03634)</p> <p>RECKEY PROBLEM WHEN KEY LONGER THAN 256</p> <p>PROBLEM DESCRIPTION:</p> <p>If you use the RECKEY command to create a new ACF2 rule and the key is longer than 256, the rule does not get built properly.</p> <p>For example:</p> <pre>SET RESOURCE(RDA) RECKEY RGLID01 ADD(TEST_RING_NAME_RGLID01_WITHMAX_RING_LENGTH_237_KKK KKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKK KKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKK KKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKK KKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKK ) NOLIST</pre> <p>SYMPTOMS:</p> <p>The record will get incorrectly compiled and when you do a LIST command for the record you will not see the full record key.</p> <p>For example:</p> <pre>ACF70010 ACF COMPILER ENTERED ACF70051 TOTAL RECORD LENGTH= 188 BYTES, 4 PERCENT UTILIZED ACF60207 RULE R RDA RGLID01 INSERTED RESOURCE list RGLID01 ACF75052 RESOURCE RULE RGLID01 STORED BY PIEKE02 ON 11/22/21-09:45 \$KEY(RGLID01) TYPE(RDA) TEST_R UID(*) PREVENT ACF75051 TOTAL RECORD LENGTH= 188 BYTES, 4 PERCENT UTILIZED</pre> <p>IMPACT:</p> <p>You cannot add an ACF2 rule using the RECKEY command when the key is longer than 256.</p> <p>CIRCUMVENTION:</p> <p>Use the COMPILE command instead of the RECKEY command</p> <p>For example:</p> <pre>COMPILE * STORE . \$key(RGLID01) type(rda) . TEST_RING_NAME_RGLID01_WITHMAX_RING_LENGTH_237_KKKKKKKKKKKKKKKKKKK KKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKK KKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKK KKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKK KKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKK UID(*****RGLID01) SERVICE(READ) ALLOW LOG</pre> <p>PRODUCT(S) AFFECTED:</p> <p>ACF2 for z/OS</p> <p>Related Problem:</p> <p>ACF2MS 15432</p> <p>(C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>DESC(RECKEY PROBLEM WHEN KEY LONGER THAN 256).</p> <pre>++VER (Z038) FMID (CAX1G00) PRE ( LU03622 ) SUP ( LT03634 ) ++HOLD (LU03634) SYSTEM FMID(CAX1G00) REASON (DYNACT ) DATE (22027) COMMENT (</pre> <p>-----+</p> <p>ACF2 for z/OS</p> |
|         | <p>Version 16.0</p> <p>Version 16.0</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         | <pre> +-----+-----+  SEQUENCE   After Apply                                 +-----+-----+  PURPOSE     Activate change without IPL                   +-----+-----+  USERS       All users                                      AFFECTED                                                  +-----+-----+  KNOWLEDGE   Operator commands                              REQUIRED                                                  +-----+-----+  ACCESS      z/OS Operator console                          REQUIRED                                                  +-----+-----+ ***** * STEPS    TO    PERFORM * ***** 1. LLA Refresh ) . </pre> |

| Service             | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |  |               |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |
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| LU03722             | <p>LU03722 M.C.S. ENTRIES = ++PTF (LU03722)</p> <p>TAMZ NON-CNCL NOT ALLOWING ACCESS TO PROGRAM IN GSO PPGM</p> <p>PROBLEM DESCRIPTION:</p> <p>During PPGM validation, a user elevated to NON-CNCL through TAMz is not granted access.</p> <p>SYMPTOMS:</p> <p>ACF9A913 UNAUTHORIZED USE OF A RESTRICTED PROGRAM</p> <p>IMPACT:</p> <p>Unable to use TAMz to elevate to NON-CNCL to gain access to programs in the GSO PPGM list.</p> <p>CIRCUMVENTION:</p> <p>None</p> <p>PRODUCT(S) AFFECTED:</p> <p>ACF2 for z/OS <span style="float: right;">Version 16.0</span></p> <p>Related Problem:</p> <p>ACF2MS 15474</p> <p>(C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>DESC (TAMZ NON-CNCL NOT ALLOWING ACCESS TO PROGRAM IN GSO PPGM) .</p> <p>++VER (Z038)</p> <p>FMID (CAX1G00)</p> <p>PRE ( LU02611 LU03622 S006579 S008396 S016143 )</p> <p>SUP ( LT03722 )</p> <p>++HOLD (LU03722) SYSTEM FMID(CAX1G00)</p> <p>REASON (DYNACT ) DATE (22027)</p> <p>COMMENT (</p> <table border="1"> <tr> <td colspan="2">+-----+-----+-----+</td> </tr> <tr> <td>  ACF2 for z/OS</td> <td>  Version 16.0  </td> </tr> <tr> <td colspan="2">+-----+-----+-----+</td> </tr> <tr> <td> SEQUENCE  </td> <td>  After Apply  </td> </tr> <tr> <td colspan="2">+-----+-----+-----+</td> </tr> <tr> <td> PURPOSE  </td> <td>  Activate change without IPL  </td> </tr> <tr> <td colspan="2">+-----+-----+-----+</td> </tr> <tr> <td> USERS  </td> <td>  All users  </td> </tr> <tr> <td> AFFECTED  </td> <td>   </td> </tr> <tr> <td colspan="2">+-----+-----+-----+</td> </tr> <tr> <td> KNOWLEDGE  </td> <td>  Operator commands  </td> </tr> <tr> <td> REQUIRED  </td> <td>   </td> </tr> <tr> <td colspan="2">+-----+-----+-----+</td> </tr> <tr> <td> ACCESS  </td> <td>  z/OS Operator console  </td> </tr> <tr> <td> REQUIRED  </td> <td>   </td> </tr> <tr> <td colspan="2">+-----+-----+-----+</td> </tr> </table> <p>*****</p> <p>* STEPS TO PERFORM *</p> <p>*****</p> <p>1. LLA Refresh</p> <p>2. F ACF2,NEWMOD(ACF99SVC)</p> <p>).</p> | +-----+-----+-----+ |  | ACF2 for z/OS | Version 16.0 | +-----+-----+-----+ |  | SEQUENCE | After Apply | +-----+-----+-----+ |  | PURPOSE | Activate change without IPL | +-----+-----+-----+ |  | USERS | All users | AFFECTED |  | +-----+-----+-----+ |  | KNOWLEDGE | Operator commands | REQUIRED |  | +-----+-----+-----+ |  | ACCESS | z/OS Operator console | REQUIRED |  | +-----+-----+-----+ |  |
| +-----+-----+-----+ |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |  |               |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |
| ACF2 for z/OS       | Version 16.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     |  |               |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |
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| SEQUENCE            | After Apply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |  |               |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |
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| PURPOSE             | Activate change without IPL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |  |               |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |
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| USERS               | All users                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |  |               |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |
| AFFECTED            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |  |               |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |
| +-----+-----+-----+ |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |  |               |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |
| KNOWLEDGE           | Operator commands                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |  |               |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |
| REQUIRED            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |  |               |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |
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| ACCESS              | z/OS Operator console                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |  |               |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |
| REQUIRED            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |  |               |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |
| +-----+-----+-----+ |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |  |               |              |                     |  |          |             |                     |  |         |                             |                     |  |       |           |          |  |                     |  |           |                   |          |  |                     |  |        |                       |          |  |                     |  |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |
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| LU04090 | <p>LU04090 M.C.S. ENTRIES = ++PTF (LU04090)</p> <p>ADD XCF TO HELP FOR MODIFY COMMANDS UNDER ACF COMMAND</p> <p>PROBLEM DESCRIPTION:</p> <p>Currently the help for modify commands in the ACF command processor does not mention XCF.</p> <p>This will add an update to help for XCF along with a couple of examples.</p> <p>SYMPTOMS:</p> <p>No indication in the help for modify commands in the ACF command processor that XCF can be used.</p> <p>IMPACT:</p> <p>Have to go through our manuals in order to get help with XCF on modify commands from ACF command processor.</p> <p>CIRCUMVENTION:</p> <p>None</p> <p>PRODUCT(S) AFFECTED:</p> <p>ACF2 for z/OS</p> <p>Related Problem:</p> <p>ACF2MS 15741</p> <p>Copyright (C) 2022 CA. All rights reserved. R00982-ACF160-SP1</p> <p>DESC(ADD XCF TO HELP FOR MODIFY COMMANDS UNDER ACF COMMAND) .</p> <p>++VER (Z038)</p> <p>FMID (CAX1G00)</p> <p>PRE ( LU03622 R080309 R096914 R099162 )</p> <p>SUP ( LT04090 )</p> <table> <tr><td>MCS</td><td>LU01752</td><td>STARTS ON PAGE 0002</td></tr> <tr><td>MCS</td><td>LU02083</td><td>STARTS ON PAGE 0004</td></tr> <tr><td>MCS</td><td>LU02126</td><td>STARTS ON PAGE 0005</td></tr> <tr><td>MCS</td><td>LU02339</td><td>STARTS ON PAGE 0006</td></tr> <tr><td>MCS</td><td>LU02351</td><td>STARTS ON PAGE 0008</td></tr> <tr><td>MCS</td><td>LU02467</td><td>STARTS ON PAGE 0009</td></tr> <tr><td>MCS</td><td>LU02585</td><td>STARTS ON PAGE 0011</td></tr> <tr><td>MCS</td><td>LU02644</td><td>STARTS ON PAGE 0012</td></tr> <tr><td>MCS</td><td>LU02738</td><td>STARTS ON PAGE 0014</td></tr> <tr><td>MCS</td><td>LU02855</td><td>STARTS ON PAGE 0015</td></tr> <tr><td>MCS</td><td>LU03269</td><td>STARTS ON PAGE 0017</td></tr> <tr><td>MCS</td><td>LU03462</td><td>STARTS ON PAGE 0018</td></tr> <tr><td>MCS</td><td>LU03498</td><td>STARTS ON PAGE 0020</td></tr> <tr><td>MCS</td><td>LU03634</td><td>STARTS ON PAGE 0021</td></tr> <tr><td>MCS</td><td>LU03722</td><td>STARTS ON PAGE 0023</td></tr> <tr><td>MCS</td><td>LU04090</td><td>STARTS ON PAGE 0024</td></tr> </table> |                     | MCS | LU01752 | STARTS ON PAGE 0002 | MCS | LU02083 | STARTS ON PAGE 0004 | MCS | LU02126 | STARTS ON PAGE 0005 | MCS | LU02339 | STARTS ON PAGE 0006 | MCS | LU02351 | STARTS ON PAGE 0008 | MCS | LU02467 | STARTS ON PAGE 0009 | MCS | LU02585 | STARTS ON PAGE 0011 | MCS | LU02644 | STARTS ON PAGE 0012 | MCS | LU02738 | STARTS ON PAGE 0014 | MCS | LU02855 | STARTS ON PAGE 0015 | MCS | LU03269 | STARTS ON PAGE 0017 | MCS | LU03462 | STARTS ON PAGE 0018 | MCS | LU03498 | STARTS ON PAGE 0020 | MCS | LU03634 | STARTS ON PAGE 0021 | MCS | LU03722 | STARTS ON PAGE 0023 | MCS | LU04090 | STARTS ON PAGE 0024 |
| MCS     | LU01752                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STARTS ON PAGE 0002 |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |
| MCS     | LU02083                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STARTS ON PAGE 0004 |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |
| MCS     | LU02126                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STARTS ON PAGE 0005 |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |
| MCS     | LU02339                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STARTS ON PAGE 0006 |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |
| MCS     | LU02351                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STARTS ON PAGE 0008 |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |
| MCS     | LU02467                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STARTS ON PAGE 0009 |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |
| MCS     | LU02585                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STARTS ON PAGE 0011 |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |
| MCS     | LU02644                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STARTS ON PAGE 0012 |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |
| MCS     | LU02738                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STARTS ON PAGE 0014 |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |
| MCS     | LU02855                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STARTS ON PAGE 0015 |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |
| MCS     | LU03269                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STARTS ON PAGE 0017 |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |
| MCS     | LU03462                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STARTS ON PAGE 0018 |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |
| MCS     | LU03498                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STARTS ON PAGE 0020 |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |
| MCS     | LU03634                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STARTS ON PAGE 0021 |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |
| MCS     | LU03722                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STARTS ON PAGE 0023 |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |
| MCS     | LU04090                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STARTS ON PAGE 0024 |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |     |         |                     |

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CA RS 2202 Product/Component Listing

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| Product Family                                               | Product     | Release  |
|--------------------------------------------------------------|-------------|----------|
| Security                                                     | CA-ACF2-MVS | 16.00.00 |
| The CA RS 2202 Product/Component Count for this release is 1 |             |          |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
| CAR2202     | LU04090 | CAX1G00 |
|             | LU03722 | CAX1G00 |
|             | LU03634 | CAX1G00 |
|             | LU03498 | CAX1G00 |
|             | LU03462 | CAX1G00 |
|             | LU03269 | CAX1G00 |
|             | LU02855 | CAX1G00 |
|             | LU02738 | CAX1G00 |
|             | LU02644 | CAX1G00 |
|             | LU02585 | CAX1G00 |
|             | LU02467 | CAX1G00 |
|             | LU02351 | CAX1G00 |
|             | LU02339 | CAX1G03 |
|             | LU02126 | CAX1G00 |
|             | LU02083 | CAX1G00 |
|             | LU01752 | CAX1G00 |
| CAR2201     | LU03440 | CAX1G00 |
| CAR2112     | LU03627 | CAX1G05 |
|             | LU03626 | CAX1G04 |
|             | LU03625 | CAX1G03 |
|             | LU03624 | CAX1G02 |
|             | LU03623 | CAX1G01 |
|             | LU03622 | CAX1G00 |
|             | LU03456 | CAX1G00 |
|             | LU03310 | CAX1G00 |
|             | LU02625 | CAX1G00 |
| CAR2111     | LU03046 | CAX1G00 |
|             | LU02965 | CAX1G00 |
|             | LU02957 | CAX1G00 |
|             | LU02323 | CAX1G00 |
|             | LU01399 | CAX1G00 |
| CAR2110     | LU02867 | CAX1G00 |
|             | LU02703 | CAX1G00 |
|             | LU02611 | CAX1G00 |
|             | LU02567 | CAX1G02 |
|             | LU02543 | CAX1G03 |
|             | LU02533 | CAX1G00 |
|             | LU02494 | CAX1G00 |
|             | LU02444 | CAX1G00 |
|             | LU02296 | CAX1G00 |
|             | LU02273 | CAX1G00 |
|             | LU02120 | CAX1G00 |
|             | LU01959 | CAX1G00 |
|             | LU01861 | CAX1G01 |
|             | LU01785 | CAX1G00 |
|             | LU01777 | CAX1G00 |
|             | LU01734 | CAX1G00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | LU01698 | CAX1G00 |
|             | LU01672 | CAX1G00 |
|             | LU01637 | CAX1G00 |
|             | LU01601 | CAX1G00 |
|             | LU01593 | CAX1G00 |
|             | LU01453 | CAX1G00 |
|             | LU01316 | CAX1G00 |
|             | LU01267 | CAX1G00 |
|             | LU01128 | CAX1G00 |
|             | LU01074 | CAX1G00 |
|             | LU00950 | CAX1G03 |
|             | LU00935 | CAX1G00 |
|             | LU00711 | CAX1G00 |
| CAR2109     | LU01704 | CAX1G00 |
|             | LU00612 | CAX1G00 |
|             | LU00566 | CAX1G00 |
|             | LU00553 | CAX1G00 |
|             | LU00515 | CAX1G00 |
| CAR2108     | LU02167 | CAX1G00 |
|             | LU00294 | CAX1G00 |
| CAR2107     | LU01502 | CAX1G00 |
|             | LU00866 | CAX1G00 |
| CAR2106     | S016302 | CAX1G00 |
|             | S016293 | CAX1G00 |
|             | S016249 | CAX1G00 |
|             | S016148 | CAX1G00 |
|             | S016147 | CAX1G00 |
|             | S016146 | CAX1G00 |
|             | S016145 | CAX1G00 |
|             | S016144 | CAX1G00 |
|             | S016143 | CAX1G00 |
|             | S016044 | CAX1G00 |
|             | LU00765 | CAX1G00 |
|             | LU00718 | CAX1G00 |
|             | LU00392 | CAX1G00 |
|             | LU00376 | CAX1G00 |
| CAR2105     | LU00885 | CAX1G00 |
|             | LU00203 | CAX1G04 |
| CAR2104     | S016139 | CAX1G00 |
|             | S016138 | CAX1G00 |
|             | S016122 | CAX1G00 |
|             | S016058 | CAX1G00 |
|             | S015993 | CAX1G03 |
|             | S015874 | CAX1G00 |
|             | S015809 | CAX1G00 |
|             | S015752 | CAX1G00 |
|             | S015442 | CAX1G00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S015259 | CAX1G00 |
|             | S015042 | CAX1G00 |
|             | S014888 | CAX1G00 |
|             | S014742 | CAX1G00 |
|             | S014478 | CAX1G00 |
|             | LU00748 | CAX1G00 |
|             | LU00536 | CAX1G02 |
|             | LU00484 | CAX1G00 |
|             | LU00295 | CAX1G00 |
| CAR2103     | S016264 | CAX1G00 |
|             | S014601 | CAX1G00 |
| CAR2102     | S016098 | CAX1G00 |
|             | S015167 | CAX1G00 |
| CAR2101     | S015861 | CAX1G01 |
|             | S015808 | CAX1G01 |
|             | S015747 | CAX1G01 |
|             | S014649 | CAX1G00 |
|             | S014540 | CAX1G00 |
|             | S013921 | CAX1G00 |
| CAR2012     | S015560 | CAX1G00 |
|             | S015537 | CAX1G00 |
|             | S015033 | CAX1G00 |
|             | S014735 | CAX1G00 |
| CAR2011     | S014992 | CAX1G00 |
|             | S014952 | CAX1G00 |
|             | S014852 | CAX1G00 |
|             | S014802 | CAX1G00 |
|             | S014762 | CAX1G00 |
|             | S014714 | CAX1G03 |
|             | S014547 | CAX1G00 |
|             | S014258 | CAX1G00 |
| CAR2010     | S014783 | CAX1G00 |
|             | S014722 | CAX1G00 |
|             | S014614 | CAX1G00 |
|             | S014269 | CAX1G00 |
|             | S014042 | CAX1G00 |
| CAR2009     | S014631 | CAX1G00 |
|             | S014280 | CAX1G00 |
|             | S014200 | CAX1G00 |
|             | S014162 | CAX1G00 |
|             | S014108 | CAX1G00 |
|             | S014103 | CAX1G00 |
|             | S014051 | CAX1G00 |
|             | S013978 | CAX1G00 |
|             | S013754 | CAX1G00 |
|             | S013513 | CAX1G00 |
|             | S013250 | CAX1G00 |

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| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S013192 | CAX1G00 |
|             | S013143 | CAX1G00 |
|             | S013142 | CAX1G00 |
|             | S012963 | CAX1G00 |
|             | S012882 | CAX1G00 |
|             | S012788 | CAX1G00 |
|             | S012738 | CAX1G02 |
|             | S012720 | CAX1G00 |
|             | S012667 | CAX1G00 |
|             | S012556 | CAX1G00 |
|             | S012291 | CAX1G00 |
|             | S012160 | CAX1G00 |
|             | S012111 | CAX1G00 |
|             | S011869 | CAX1G00 |
|             | S011827 | CAX1G00 |
|             | S011690 | CAX1G00 |
|             | S011664 | CAX1G00 |
|             | S011631 | CAX1G00 |
| CAR2008     | S014040 | CAX1G03 |
|             | S013833 | CAX1G03 |
|             | S013795 | CAX1G00 |
|             | S013598 | CAX1G00 |
|             | S013452 | CAX1G00 |
|             | S013034 | CAX1G00 |
|             | S012480 | CAX1G00 |
| CAR2007     | S013640 | CAX1G00 |
|             | S013376 | CAX1G03 |
|             | S013141 | CAX1G00 |
|             | S012969 | CAX1G00 |
|             | S012684 | CAX1G00 |
|             | S011494 | CAX1G00 |
|             | S011439 | CAX1G00 |
|             | S009833 | CAX1G03 |
| CAR2006     | S013163 | CAX1G00 |
|             | S012970 | CAX1G04 |
|             | S012929 | CAX1G03 |
| CAR2005     | S012739 | CAX1G04 |
|             | S012328 | CAX1G00 |
|             | S011887 | CAX1G00 |
|             | S011344 | CAX1G00 |
|             | S011277 | CAX1G01 |
| CAR2004     | S012295 | CAX1G00 |
|             | S011647 | CAX1G00 |
|             | S011443 | CAX1G00 |
|             | S011189 | CAX1G00 |
| CAR2003     | S011903 | CAX1G00 |
|             | S011856 | CAX1G00 |



| CA RS Level | Service | FMID    |
|-------------|---------|---------|
| CAR2002     | S011661 | CAX1G00 |
| CAR2001     | S011356 | CAX1G03 |
|             | S011352 | CAX1G00 |
|             | S011262 | CAX1G00 |
|             | S010846 | CAX1G00 |
|             | S010599 | CAX1G00 |
|             | S010544 | CAX1G00 |
|             | S010542 | CAX1G03 |
|             | S010463 | CAX1G00 |
|             | S010355 | CAX1G00 |
|             | S010334 | CAX1G00 |
|             | S010329 | CAX1G00 |
|             | S010295 | CAX1G00 |
|             | S010255 | CAX1G00 |
|             | S010216 | CAX1G00 |
|             | S010186 | CAX1G00 |
|             | S010184 | CAX1G00 |
|             | S010183 | CAX1G00 |
|             | S010166 | CAX1G00 |
|             | S010096 | CAX1G00 |
|             | S009277 | CAX1G00 |
| CAR1912     | S009961 | CAX1G00 |
|             | S007541 | CAX1G00 |
| CAR1911     | S010567 | CAX1G00 |
|             | S010412 | CAX1G00 |
|             | S010293 | CAX1G00 |
|             | S010246 | CAX1G00 |
|             | S009810 | CAX1G00 |
|             | S009696 | CAX1G04 |
|             | S009369 | CAX1G00 |
|             | S009271 | CAX1G00 |
|             | S009246 | CAX1G00 |
|             | S009112 | CAX1G00 |
|             | S008932 | CAX1G00 |
|             | S008727 | CAX1G00 |
|             | S008396 | CAX1G00 |
|             | S008334 | CAX1G00 |
| CAR1910     | S010113 | CAX1G00 |
|             | S010052 | CAX1G00 |
|             | S009757 | CAX1G00 |
|             | S009684 | CAX1G00 |
|             | S009656 | CAX1G01 |
|             | S009547 | CAX1G00 |
|             | S009545 | CAX1G00 |
|             | S009400 | CAX1G03 |
|             | S009398 | CAX1G00 |
|             | S009195 | CAX1G00 |

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| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S008264 | CAX1G00 |
| CAR1909     | S009168 | CAX1G00 |
|             | S009036 | CAX1G00 |
| CAR1908     | S009388 | CAX1G00 |
|             | S009238 | CAX1G00 |
|             | S009114 | CAX1G00 |
|             | S008993 | CAX1G03 |
|             | S008812 | CAX1G04 |
|             | S008710 | CAX1G00 |
|             | S008610 | CAX1G00 |
|             | S008589 | CAX1G00 |
| CAR1907     | S008630 | CAX1G00 |
|             | S008613 | CAX1G00 |
|             | S008600 | CAX1G00 |
|             | S008598 | CAX1G00 |
| CAR1906     | S008480 | CAX1G03 |
|             | S008263 | CAX1G00 |
|             | S008259 | CAX1G00 |
|             | S008219 | CAX1G00 |
|             | S008196 | CAX1G00 |
|             | S008055 | CAX1G00 |
|             | S007965 | CAX1G00 |
|             | S007950 | CAX1G00 |
|             | S007898 | CAX1G00 |
| CAR1905     | S008052 | CAX1G00 |
|             | S007963 | CAX1G04 |
|             | S007871 | CAX1G00 |
|             | S007725 | CAX1G03 |
|             | S007704 | CAX1G00 |
|             | S007430 | CAX1G00 |
| CAR1904     | S007762 | CAX1G00 |
|             | S007724 | CAX1G00 |
|             | S007682 | CAX1G00 |
|             | S007594 | CAX1G00 |
|             | S007585 | CAX1G00 |
|             | S007573 | CAX1G03 |
|             | S007555 | CAX1G00 |
|             | S007429 | CAX1G00 |
|             | S007365 | CAX1G03 |
|             | S007326 | CAX1G00 |
|             | S007290 | CAX1G00 |
|             | S007184 | CAX1G03 |
|             | S006428 | CAX1G03 |
| CAR1903     | S007427 | CAX1G00 |
|             | S007424 | CAX1G00 |
|             | S007165 | CAX1G00 |
|             | S007136 | CAX1G03 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S007057 | CAX1G00 |
|             | S007037 | CAX1G00 |
|             | S007032 | CAX1G00 |
|             | S007002 | CAX1G00 |
|             | S006996 | CAX1G00 |
|             | S006912 | CAX1G03 |
|             | S006747 | CAX1G00 |
|             | S006681 | CAX1G00 |
|             | S006672 | CAX1G00 |
|             | S006633 | CAX1G00 |
|             | S006357 | CAX1G00 |
| CAR1902     | S007042 | CAX1G00 |
|             | S007040 | CAX1G00 |
|             | S006670 | CAX1G00 |
| CAR1901     | S006691 | CAX1G00 |
|             | S006686 | CAX1G00 |
|             | S006666 | CAX1G00 |
|             | S006605 | CAX1G00 |
|             | S006603 | CAX1G00 |
|             | S006579 | CAX1G00 |
|             | S006563 | CAX1G00 |
|             | S006531 | CAX1G00 |
|             | S006363 | CAX1G00 |
|             | S006310 | CAX1G00 |
|             | S006234 | CAX1G00 |
|             | S006214 | CAX1G00 |
|             | S006033 | CAX1G00 |
|             | S005978 | CAX1G00 |
|             | S005795 | CAX1G00 |
|             | S005772 | CAX1G00 |
|             | S005771 | CAX1G00 |
|             | S005763 | CAX1G00 |
|             | S005723 | CAX1G00 |
|             | S005647 | CAX1G00 |
|             | S004012 | CAX1G03 |
|             | R085622 | CAX1G00 |
|             | R083832 | CAX1G00 |
|             | R081740 | CAX1G00 |
|             | R081599 | CAX1G00 |
|             | R080418 | CAX1G00 |
| CAR1812     | S006423 | CAX1G00 |
|             | S006278 | CAX1G03 |
|             | S006277 | CAX1G00 |
|             | S006183 | CAX1G00 |
|             | S006073 | CAX1G03 |
|             | S005563 | CAX1G00 |
|             | S005557 | CAX1G03 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S005388 | CAX1G00 |
| CAR1811     | S006001 | CAX1G00 |
|             | S005787 | CAX1G00 |
|             | S005764 | CAX1G00 |
|             | S005736 | CAX1G00 |
|             | S005721 | CAX1G00 |
|             | S005487 | CAX1G03 |
|             | S005486 | CAX1G00 |
|             | S005485 | CAX1G00 |
|             | S005420 | CAX1G00 |
|             | S005363 | CAX1G00 |
|             | S005219 | CAX1G00 |
|             | S005214 | CAX1G00 |
|             | S005161 | CAX1G00 |
|             | S004740 | CAX1G00 |
|             | S004537 | CAX1G00 |
|             | S003900 | CAX1G00 |
| CAR1810     | S005539 | CAX1G00 |
|             | S005530 | CAX1G00 |
|             | S005400 | CAX1G01 |
|             | S005265 | CAX1G00 |
| CAR1809     | S005195 | CAX1G00 |
|             | S005094 | CAX1G00 |
|             | S005045 | CAX1G00 |
|             | S005030 | CAX1G02 |
|             | S004939 | CAX1G00 |
|             | S004804 | CAX1G00 |
|             | S004781 | CAX1G00 |
|             | S004776 | CAX1G00 |
|             | S004588 | CAX1G00 |
|             | S004551 | CAX1G00 |
|             | S004431 | CAX1G00 |
| CAR1808     | S004558 | CAX1G00 |
|             | S004534 | CAX1G00 |
|             | S004448 | CAX1G00 |
|             | S004395 | CAX1G00 |
|             | S004242 | CAX1G01 |
|             | S004209 | CAX1G00 |
|             | S004001 | CAX1G00 |
|             | S003907 | CAX1G00 |
|             | S003889 | CAX1G00 |
|             | S003681 | CAX1G04 |
|             | S001109 | CAX1G00 |
|             | R099418 | CAX1G04 |
|             | R085623 | CAX1G00 |
|             | R084836 | CAX1G00 |
|             | R083835 | CAX1G00 |

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| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R080735 | CAX1G00 |
| CAR1807     | S004159 | CAX1G00 |
|             | S004153 | CAX1G00 |
|             | S004077 | CAX1G00 |
|             | S004064 | CAX1G00 |
|             | S004047 | CAX1G00 |
|             | S004032 | CAX1G00 |
|             | S003891 | CAX1G00 |
|             | S003886 | CAX1G00 |
|             | S003885 | CAX1G00 |
|             | S003867 | CAX1G00 |
|             | S003743 | CAX1G03 |
|             | S003742 | CAX1G00 |
|             | S003663 | CAX1G00 |
|             | S003636 | CAX1G00 |
|             | S003632 | CAX1G00 |
|             | S003574 | CAX1G00 |
|             | S001732 | CAX1G00 |
|             | S001703 | CAX1G00 |
|             | S001634 | CAX1G00 |
|             | S001066 | CAX1G03 |
| CAR1806     | S003630 | CAX1G00 |
|             | S003591 | CAX1G00 |
|             | S003573 | CAX1G00 |
|             | S001806 | CAX1G00 |
|             | S001736 | CAX1G03 |
|             | S001729 | CAX1G01 |
|             | S001728 | CAX1G00 |
|             | S001691 | CAX1G01 |
|             | S001588 | CAX1G00 |
|             | S001571 | CAX1G00 |
|             | S001563 | CAX1G00 |
|             | S001560 | CAX1G03 |
|             | S001559 | CAX1G00 |
|             | S001518 | CAX1G00 |
|             | S001422 | CAX1G00 |
|             | S001377 | CAX1G00 |
|             | S000930 | CAX1G00 |
| CAR1805     | S001516 | CAX1G00 |
|             | S001449 | CAX1G00 |
|             | S001421 | CAX1G03 |
|             | S001203 | CAX1G00 |
|             | S001101 | CAX1G00 |
| CAR1804     | S001099 | CAX1G00 |
|             | S001064 | CAX1G00 |
|             | S001020 | CAX1G00 |
|             | S000979 | CAX1G01 |

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| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S000976 | CAX1G00 |
|             | S000961 | CAX1G01 |
|             | S000955 | CAX1G00 |
|             | S000944 | CAX1G00 |
|             | S000901 | CAX1G03 |
|             | S000818 | CAX1G03 |
|             | S000774 | CAX1G00 |
|             | S000680 | CAX1G00 |
|             | S000564 | CAX1G00 |
|             | S000459 | CAX1G01 |
|             | S000318 | CAX1G00 |
|             | S000304 | CAX1G00 |
|             | S000214 | CAX1G00 |
|             | S000153 | CAX1G00 |
|             | S000010 | CAX1G00 |
|             | R099677 | CAX1G00 |
|             | R099469 | CAX1G00 |
| CAR1803     | S000479 | CAX1G00 |
|             | S000474 | CAX1G00 |
|             | S000374 | CAX1G00 |
|             | S000314 | CAX1G00 |
|             | S000221 | CAX1G03 |
|             | S000096 | CAX1G03 |
|             | R099953 | CAX1G03 |
|             | R099350 | CAX1G00 |
|             | R099336 | CAX1G00 |
|             | R098916 | CAX1G01 |
| CAR1802     | S000111 | CAX1G00 |
|             | R099950 | CAX1G00 |
|             | R099742 | CAX1G00 |
|             | R099493 | CAX1G00 |
|             | R099160 | CAX1G00 |
| CAR1801     | R099749 | CAX1G03 |
|             | R099360 | CAX1G00 |
|             | R099343 | CAX1G00 |
|             | R099164 | CAX1G00 |
|             | R099163 | CAX1G00 |
|             | R099162 | CAX1G00 |
|             | R099159 | CAX1G00 |
|             | R099147 | CAX1G00 |
|             | R099138 | CAX1G03 |
|             | R099049 | CAX1G03 |
|             | R099035 | CAX1G00 |
| CAR1712     | R099008 | CAX1G00 |
|             | R098915 | CAX1G00 |
|             | R098635 | CAX1G00 |
|             | R098520 | CAX1G00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
| CAR1711     | R098637 | CAX1G00 |
|             | R098633 | CAX1G00 |
|             | R098598 | CAX1G00 |
|             | R098548 | CAX1G00 |
|             | R098419 | CAX1G00 |
|             | R098340 | CAX1G00 |
|             | R098324 | CAX1G00 |
|             | R098208 | CAX1G00 |
|             | R098081 | CAX1G00 |
|             | R098008 | CAX1G00 |
|             | R097933 | CAX1G01 |
|             | R097921 | CAX1G00 |
|             | R097911 | CAX1G00 |
|             | R097896 | CAX1G00 |
|             | R097857 | CAX1G00 |
|             | R097842 | CAX1G00 |
|             | R097810 | CAX1G00 |
|             | R097781 | CAX1G00 |
|             | R097780 | CAX1G03 |
|             | R097779 | CAX1G00 |
|             | R093853 | CAX1G05 |
|             | R093852 | CAX1G04 |
| CAR1710     | R097939 | CAX1G00 |
|             | R097830 | CAX1G03 |
|             | R097778 | CAX1G03 |
|             | R097777 | CAX1G00 |
|             | R097763 | CAX1G00 |
| CAR1709     | R097666 | CAX1G00 |
|             | R097509 | CAX1G00 |
|             | R097388 | CAX1G00 |
|             | R097374 | CAX1G00 |
|             | R097246 | CAX1G00 |
|             | R097234 | CAX1G00 |
|             | R097148 | CAX1G00 |
|             | R097142 | CAX1G00 |
|             | R096914 | CAX1G00 |
|             | R096906 | CAX1G00 |
|             |         |         |
| CAR1708     | R097183 | CAX1G00 |
|             | R097140 | CAX1G00 |
|             | R097123 | CAX1G02 |
|             | R097122 | CAX1G01 |
|             | R097101 | CAX1G00 |
|             | R097094 | CAX1G00 |
|             | R097073 | CAX1G00 |
|             | R097057 | CAX1G03 |
|             | R096917 | CAX1G00 |
|             | R096905 | CAX1G00 |

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| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R096890 | CAX1G03 |
|             | R096880 | CAX1G00 |
|             | R096870 | CAX1G00 |
|             | R096854 | CAX1G03 |
|             | R096794 | CAX1G00 |
|             | R096729 | CAX1G00 |
|             | R096676 | CAX1G03 |
|             | R096443 | CAX1G00 |
|             | R096422 | CAX1G03 |
|             | R096075 | CAX1G00 |
|             | R096003 | CAX1G00 |
|             | R095963 | CAX1G00 |
|             | R095859 | CAX1G03 |
|             | R095851 | CAX1G00 |
|             | R095721 | CAX1G00 |
|             | R095562 | CAX1G00 |
|             | R095461 | CAX1G00 |
|             | R095460 | CAX1G00 |
|             | R095220 | CAX1G00 |
|             | R094330 | CAX1G00 |
|             | R093635 | CAX1G00 |
|             | R093566 | CAX1G00 |
|             | R093513 | CAX1G02 |
|             | R093512 | CAX1G01 |
|             | R093511 | CAX1G00 |
| CAR1707     | R096464 | CAX1G00 |
|             | R096074 | CAX1G00 |
|             | R095905 | CAX1G00 |
|             | R095735 | CAX1G03 |
|             | R095642 | CAX1G00 |
|             | R095610 | CAX1G00 |
|             | R095144 | CAX1G00 |
| CAR1706     | R096114 | CAX1G00 |
|             | R096113 | CAX1G00 |
|             | R096094 | CAX1G00 |
|             | R095936 | CAX1G00 |
|             | R095586 | CAX1G00 |
|             | R095350 | CAX1G00 |
|             | R093988 | CAX1G00 |
| CAR1705     | R095841 | CAX1G00 |
|             | R095836 | CAX1G00 |
|             | R095608 | CAX1G03 |
|             | R095521 | CAX1G00 |
|             | R095459 | CAX1G00 |
|             | R095456 | CAX1G00 |
|             | R095219 | CAX1G03 |
|             | R095218 | CAX1G00 |



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| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R095203 | CAX1G00 |
|             | R095192 | CAX1G00 |
|             | R095082 | CAX1G00 |
|             | R094381 | CAX1G04 |
|             | R093881 | CAX1G00 |
|             | R093615 | CAX1G00 |
|             | R093394 | CAX1G00 |
|             | R092798 | CAX1G00 |
| CAR1704     | R095320 | CAX1G03 |
|             | R095173 | CAX1G00 |
|             | R095168 | CAX1G00 |
|             | R095122 | CAX1G00 |
|             | R095058 | CAX1G00 |
|             | R094877 | CAX1G00 |
|             | R094841 | CAX1G00 |
|             | R094796 | CAX1G00 |
|             | R094697 | CAX1G00 |
|             | R094599 | CAX1G00 |
|             | R094543 | CAX1G00 |
|             | R094309 | CAX1G00 |
|             | R093699 | CAX1G00 |
|             | R093380 | CAX1G03 |
|             | R091983 | CAX1G00 |
| CAR1703     | R094325 | CAX1G00 |
|             | R094125 | CAX1G00 |
|             | R093581 | CAX1G00 |
| CAR1702     | R093738 | CAX1G00 |
|             | R093181 | CAX1G03 |
| CAR1701     | R093554 | CAX1G00 |
|             | R093442 | CAX1G00 |
|             | R093377 | CAX1G00 |
|             | R093303 | CAX1G00 |
|             | R093301 | CAX1G00 |
|             | R093240 | CAX1G00 |
|             | R092540 | CAX1G00 |
|             | R092536 | CAX1G00 |
| CAR1612     | R093116 | CAX1G00 |
|             | R093003 | CAX1G00 |
|             | R092884 | CAX1G00 |
|             | R091980 | CAX1G03 |
|             | R091338 | CAX1G00 |
|             | R091271 | CAX1G00 |
|             | R091194 | CAX1G02 |
|             | R091069 | CAX1G00 |
| CAR1611     | R092541 | CAX1G00 |
|             | R092424 | CAX1G00 |
|             | R092400 | CAX1G00 |

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| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R092311 | CAX1G00 |
|             | R091913 | CAX1G00 |
|             | R090077 | CAX1G00 |
| CAR1610     | R092184 | CAX1G00 |
|             | R092080 | CAX1G03 |
|             | R091962 | CAX1G00 |
|             | R091939 | CAX1G00 |
|             | R091578 | CAX1G03 |
|             | R091396 | CAX1G00 |
|             | R090020 | CAX1G05 |
|             | R090019 | CAX1G05 |
|             | R089873 | CAX1G05 |
|             | R088622 | CAX1G00 |
| CAR1609     | R091401 | CAX1G00 |
|             | R091270 | CAX1G00 |
|             | R091169 | CAX1G00 |
|             | R091121 | CAX1G01 |
|             | R091120 | CAX1G00 |
|             | R089763 | CAX1G00 |
| CAR1607     | R090749 | CAX1G00 |
|             | R090415 | CAX1G03 |
| CAR1606     | R090049 | CAX1G00 |
|             | R089700 | CAX1G00 |
|             | R089501 | CAX1G00 |
|             | R089393 | CAX1G03 |
|             | R089101 | CAX1G00 |
|             | R089039 | CAX1G00 |
| CAR1605     | R089649 | CAX1G03 |
|             | R089603 | CAX1G03 |
|             | R089602 | CAX1G00 |
|             | R089442 | CAX1G00 |
|             | R089397 | CAX1G00 |
|             | R089396 | CAX1G03 |
|             | R089360 | CAX1G00 |
|             | R089274 | CAX1G00 |
|             | R089222 | CAX1G00 |
|             | R088971 | CAX1G00 |
|             | R088719 | CAX1G00 |
|             | R088654 | CAX1G00 |
|             | R088324 | CAX1G00 |
|             | R088106 | CAX1G00 |
|             | R087944 | CAX1G00 |
|             | R087169 | CAX1G04 |
|             | R086948 | CAX1G00 |
| CAR1604     | R089184 | CAX1G03 |
|             | R089120 | CAX1G00 |
|             | R089117 | CAX1G00 |

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| CA RS<br>Level | Service | FMID    |
|----------------|---------|---------|
|                | R089116 | CAX1G00 |
|                | R088717 | CAX1G00 |
|                | R088240 | CAX1G00 |
|                | R087405 | CAX1G00 |
|                | R087013 | CAX1G00 |
|                | R086545 | CAX1G00 |
| CAR1603        | R088319 | CAX1G03 |
|                | R087790 | CAX1G00 |
|                | R086551 | CAX1G00 |
|                | R086548 | CAX1G00 |
|                | R086546 | CAX1G00 |
| CAR1602        | R087685 | CAX1G00 |
|                | R087221 | CAX1G00 |
|                | R086888 | CAX1G00 |
|                | R086762 | CAX1G00 |
|                | R086681 | CAX1G00 |
|                | R086542 | CAX1G00 |