

CA Top Secret Security for z/OS 16.0  
CA RS 2104 Service List

1

| Service                                            | Description                                                  | Type      |
|----------------------------------------------------|--------------------------------------------------------------|-----------|
| LU00345                                            | ADMINBY INFO DISPLAYED WITH ADMINBY(NO) OR TERSE OPTIONS SET | PTF       |
| LU00358                                            | TSSAUDIT ABEND WITH SOC7 DURING CHANGES REPORT               | PTF       |
| LU00372                                            | DSKEY PARAMETER SPECIFIED ON A TSS ADD COMMAND IS IGNORED    | *HIP/PRP* |
| LU00512                                            | IBMFAC SECURITY CALLS FAIL BECAUSE THE ENITY GETS TRUNCATED  | *HIP/PRP* |
| LU00526                                            | UPDATE SAFCCRPT TO SHOW EXPIRED SIGNERS                      | ** PRP ** |
| LU00747                                            | ABEND U0982 IN TSSKERNL, TSSSIM PROBLEMS WITH S015896        | *HIP/PRP* |
| S016135                                            | UDFCHAR CONSTRAINT VIOLATION                                 | PTF       |
| S016204                                            | NOTIFY OF INCOMPLETE CLEANUP OF KEYRING                      | PTF       |
| The CA RS 2104 service count for this release is 8 |                                                              |           |

CA Top Secret Security for z/OS  
CA RS 2104 Service List for CAKOG00

2

| FMID                                            | Service | Description                                                  | Type      |
|-------------------------------------------------|---------|--------------------------------------------------------------|-----------|
| CAKOG00                                         | LU00345 | ADMINBY INFO DISPLAYED WITH ADMINBY(NO) OR TERSE OPTIONS SET | PTF       |
|                                                 | LU00358 | TSSAUDIT ABEND WITH SOC7 DURING CHANGES REPORT               | PTF       |
|                                                 | LU00372 | DSKEY PARAMETER SPECIFIED ON A TSS ADD COMMAND IS IGNORED    | *HIP/PRP* |
|                                                 | LU00512 | IBMFAC SECURITY CALLS FAIL BECAUSE THE ENITY GETS TRUNCATED  | *HIP/PRP* |
|                                                 | LU00526 | UPDATE SAFCRRTPT TO SHOW EXPIRED SIGNERS                     | ** PRP ** |
|                                                 | LU00747 | ABEND U0982 IN TSSKERNL, TSSSIM PROBLEMS WITH S015896        | *HIP/PRP* |
|                                                 | S016135 | UDFCHAR CONSTRAINT VIOLATION                                 | PTF       |
|                                                 | S016204 | NOTIFY OF INCOMPLETE CLEANUP OF KEYRING                      | PTF       |
| The CA RS 2104 service count for this FMID is 8 |         |                                                              |           |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| LU00345 | <div>LU00345    M.C.S. ENTRIES    = ++PTF (LU00345)</div> <div>ADMINBY INFO DISPLAYED WITH ADMINBY(NO) OR TERSE OPTIONS SET</div> <div>PROBLEM DESCRIPTION:</div> <div>With ADMINBY(NO) and/or TERSE command options specified for CA Top Secret, LIST command output can still display the ADMINBY information for various resources.</div> <div>The command option settings that should prevent ADMINBY information from being displayed on LIST command output are:</div> <div>ADMINBY(NO)</div> <div>TSSCMDOPTION(ADMINBY,TERSE)</div> <div>TSSCMDOPTION(NOADMINBY)</div> <div>SYMPTOMS:</div> <div>The ADMIN BY line is displayed for various resources on output of the LIST command.</div> <div>IMPACT:</div> <div>Additional lines are displayed for ADMIN BY information that were not requested.</div> <div>CIRCUMVENTION:</div> <div>None.</div> <div>PRODUCT(S) AFFECTED:</div> <div>CA Top Secret for z/OS<div>Version 16.0</div></div> <div>Related Problem:</div> <div>TSSMVS 12921</div> <div>Copyright (C) 2021 CA. All rights reserved. R01066-TSS160-SP1</div> <div>DESC(ADMINBY INFO DISPLAYED WITH ADMINBY(NO) OR TERSE OPTIONS SET).</div> <div>++VER (Z038)</div> <div>FMID (CAKOG00)</div> <div>PRE ( R084794 R092696 R096977 R097892 R098297 R099320</div> <div>S001735 S006391 S006621 S006929 S007161 S007497</div> <div>S007542 S008791 S008923 S010685 S011904 S012318</div> <div>S013060 S014730 S015625 S016294 )</div> <div>SUP ( LT00345 R088473 R093171 S005028 S016204 ST04187</div> <div>ST05028 ST16204 TR88473 TR91287 TR93171 )</div> <div>++HOLD (LU00345) SYSTEM FMID(CAKOG00)</div> <div>REASON (ACTION )    DATE (21088)</div> <div>COMMENT (</div> <div><div><div><div>CA Top Secret for z/OS</div><div>Version 16.0</div></div></div></div> <div><div>SEQUENCE</div><div>After Apply</div></div> <div><div>PURPOSE</div><div>Load module into LLA and activate</div></div> <div><div>USERS</div><div>All</div></div> <div><div>AFFECTED</div><div></div></div> <div><div>KNOWLEDGE</div><div>1. Console commands</div></div> <div><div>REQUIRED</div><div>2. Top Secret administration</div></div> <div><div>ACCESS</div><div>1. Console authority</div></div> <div><div>REQUIRED</div><div>2. TSS administration authority</div></div> |

| Service | Details                                                                                                      |
|---------|--------------------------------------------------------------------------------------------------------------|
|         | *****<br>* STEPS TO PERFORM *<br>*****<br>1. LLA REFRESH<br>2. Restart CA TOP SECRET with TSS,,REINIT<br>) . |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| LU00358 | <div>M.C.S. ENTRIES = ++PTF (LU00358)</div> <div>TSSAUDIT ABEND WITH SOC7 DURING CHANGES REPORT</div> <div>PROBLEM DESCRIPTION:</div> <div>TSSAUDIT abends with a SOC7 when running the CHANGES report.</div> <div>The problem occurs when a command in the recovery file contains a '/' comment that:</div> <div><div>- is not properly terminated with the closing comment notation.</div><div>- contains the word PASSWORD or a short version such as PAS, PASS, PASSW,etc.</div></div> <div>This abend also requires the contents of an internal field to contain a specific hex value. Most sites would not encounter this situation.</div> <div>SYMPTOMS:</div> <div>TSSAUDIT abend with SOC7 during CHANGES report.</div> <div>IMPACT:</div> <div>TSSAUDIT fails to run to completion</div> <div>CIRCUMVENTION:</div> <div>Ensure that comments are enclosed with proper notation.</div> <div>PRODUCT(S) AFFECTED:</div> <div>CA Top Secret for z/OS<div>Version 16.0</div></div> <div>Related Problem:</div> <div>TSSMVS 12952</div> <div>Copyright (C) 2021 CA. All rights reserved. R01067-TSS160-SP1</div> <div>DESC(TSSAUDIT ABEND WITH SOC7 DURING CHANGES REPORT) .</div> <div>++VER (Z038)</div> <div>FMID (CAKOG00)</div> <div>PRE ( R086945 R096977 R098297 )</div> <div>SUP ( LT00358 R092888 R093744 R096001 R098455 S005160 S005608 S005824 S012531 S015188 ST05160 ST05608 ST05824 ST12531 ST15188 TR92888 TR93729 TR93744 TR94600 TR95960 TR96001 TR98063 TR98360 TR98455 )</div> <div>++HOLD (LU00358) SYSTEM FMID(CAKOG00)</div> <div>REASON (DYNACT ) DATE (21067)</div> <div>COMMENT (</div> <div><div><div>CA Top Secret for z/OS<div>Version 16.0</div></div></div></div> <div><div> SEQUENCE   After Apply</div></div> <div><div> PURPOSE   Activate changes without IPL</div></div> <div><div> USERS   ALL running TSSAUDIT with comments on commands</div></div> <div><div> AFFECTED  </div></div> <div><div> KNOWLEDGE   z/OS Operator Commands</div></div> <div><div> REQUIRED  </div></div> <div><div> ACCESS   z/OS Operator command authority</div></div> <div><div> REQUIRED  </div></div> <div>*****</div> <div><div>* STEPS TO PERFORM *</div></div> |

| Service | Details                                                    |
|---------|------------------------------------------------------------|
|         | *****<br>LLA REFRESH and rerun the TSSAUDIT utility<br>) . |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| LU00372 | <p>LU00372 M.C.S. ENTRIES = ++PTF (LU00372)</p> <p>DSKEY PARAMETER SPECIFIED ON A TSS ADD COMMAND IS IGNORED</p> <p>PROBLEM DESCRIPTION:</p> <p>After PTF S015905, specifying the DSKEY parameter on a TSS ADD DATASET command is accepted but ignored as the key is not associated with the dataset specified in the ADD command.</p> <p>After PTF S016294, adding an owned resource to an ACID that contains existing owned resources with a DSKEY or KEYLAEL value could corrupt the security record containing the owned resources for the ACID.</p> <p>SYMPTOMS:</p> <p>With DSKEY ignored, The dataset will not be encrypted as expected. The DSKEY value will not appear when the dataset is displayed as part of a LIST, WHOOWNS or WHOHAS command.</p> <p>The LIST command for an ACID will show incorrect data for owned resources.</p> <p>IMPACT:</p> <p>Datasets will not be encrypted as intended.</p> <p>Ownership and permission checks may fail.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Top Secret for z/OS <span style="float: right;">Version 16.0</span></p> <p>Related Problem:</p> <p>TSSMVS 12888</p> <p>Copyright (C) 2021 CA. All rights reserved. R01069-TSS160-SP1</p> <p>DESC (DSKEY PARAMETER SPECIFIED ON A TSS ADD COMMAND IS IGNORED).</p> <p>++VER (Z038)</p> <p>FMID (CAKOG00)</p> <p>PRE ( R082138 R082305 R084794 R086945 R090186 R092696<br/>R094101 R094686 R095244 R095291 R095428 R095454<br/>R096977 R097832 R097892 R098051 R098297 R098365<br/>R098716 R099167 R099320 R099394 R099512 R099690<br/>S000132 S000816 S001069 S001267 S001630 S001788<br/>S004066 S004368 S005264 S005559 S006391 S006548<br/>S006599 S006621 S006929 S007542 S007748 S007913<br/>S007931 S008791 S008923 S010461 S010685 S010890<br/>S010967 S011233 S011904 S012318 S012760 S014515<br/>S014730 S014947 S015625 S015905 S016294 )<br/>SUP ( AR93059 AR94686 AR96977 AS07542 AS08092 AS08245<br/>AS08791 AS08923 AS16294 BR92696 LT00372 R079659<br/>R085956 R091002 R091707 R092619 R092967 R093059<br/>R093757 R094913 R096103 R097041 R097114 R099952<br/>S000139 S001085 S001355 S004881 S005401 S007261<br/>S007587 S007855 S008092 S008205 S008271 S008909<br/>S009073 S009634 S010635 S010845 S011146 S011941<br/>S011958 S012989 S013533 S013700 S013963 S015653<br/>S015659 S016316 ST00139 ST01085 ST01355 ST04631<br/>ST04881 ST05401 ST06618 ST06883 ST06968 ST06971<br/>ST06989 ST07046 ST07261 ST07587 ST07654 ST07709<br/>ST07739 ST07748 ST07850 ST07855 ST07931 ST08092<br/>ST08205 ST08271 ST08659 ST08844 ST08893 ST08909<br/>ST08910 ST09038 ST09073 ST09199 ST09634 ST10111<br/>ST10600 ST10635 ST10845 ST11146 ST11936 ST11941</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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|         | ST11958 ST12006 ST12989 ST13533 ST13700 ST13963                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|         | ST15435 ST15441 ST15454 ST15653 ST15659 ST16169                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|         | ST16316 TR79659 TR85956 TR90186 TR91002 TR91707                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|         | TR92609 TR92619 TR92967 TR93059 TR93757 TR94101                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|         | TR94686 TR94913 TR95109 TR95191 TR95244 TR95291                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|         | TR96103 TR97041 TR97114 TR98365 TR98858 TR99033                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|         | TR99034 TR99543 TR99612 TR99952 )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|         | ++HOLD (LU00372) SYSTEM FMID(CAKOG00)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|         | REASON (ACTION ) DATE (21062)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|         | COMMENT (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|         | +-----+<br>  CA Top Secret for z/OS Version 16.0  <br>+-----+<br> SEQUENCE   After Apply  <br>+-----+<br> PURPOSE   Load module into LLA and activate  <br>+-----+<br> USERS   All  <br> AFFECTED    <br>+-----+<br> KNOWLEDGE   1. Console commands  <br> REQUIRED   2. Top Secret administration  <br>+-----+<br> ACCESS   1. Console authority  <br> REQUIRED   2. TSS administrative authority  <br>+-----+<br>*****<br>* STEPS TO PERFORM *<br>*****<br>1. LLA REFRESH<br>2. Restart CA Top Secret with TSS,,REINIT<br>) . |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| LU00512 | <p>LU00512 M.C.S. ENTRIES = ++PTF (LU00512)</p> <p>The following items are included in this solution:</p> <ol style="list-style-type: none"> <li>1. IBMFAC SECURITY CALLS FAIL BECAUSE THE ENTITY GETS TRUNCATED</li> <li>2. COMMANDS ISSUED VIA SVC 34 MAY FAIL AFTER SOLUTION SO15896</li> </ol> <p>=====</p> <p>IBMFAC SECURITY CALLS FAIL BECAUSE THE ENTITY GETS TRUNCATED</p> <p>PROBLEM DESCRIPTION:</p> <p>RACROUTE REQUEST=AUTH,CLASS=(=&gt;'FACILITY',ENTITYX=((=&gt;'ABCD.1234.56789')) fails because the entity gets truncated.</p> <p>SYMPTOMS:</p> <p>TSS7250E 136 J=BAXTH01E A=BAXTH05 TYPE=IBMFAC RESOURCE=ABCD.1234.56</p> <p>TSS7251E Access Denied to IBMFAC &lt;ABCD.1234.56&gt;</p> <p>IMPACT:</p> <p>An application fails due to lack of access.</p> <p>CIRCUMVENTION:</p> <p>TSS PERMIT(acid) IBMFAC(ABCD.1234)</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Top Secret for z/OS <span style="float: right;">Version 16.0</span></p> <p>Related Problem:</p> <p>TSSMVS 13067</p> <p>=====</p> <p>COMMANDS ISSUED VIA SVC 34 MAY FAIL AFTER SOLUTION SO15896</p> <p>PROBLEM DESCRIPTION:</p> <p>After solution SO15896, applications that issue commands via SVC 34 may fail if resource class OPCMD is defined with attribute DEFPROT.</p> <p>SYMPTOMS:</p> <p>TSS7250E 136 J=TSOVTAM A=STCTSO TYPE=OPCMD RESOURCE=</p> <p>TSS7251E Access Denied to OPCMD &lt;&gt;</p> <p>IMPACT:</p> <p>Commands fail if issued via SVC 34.</p> <p>CIRCUMVENTION:</p> <p>Issue command via the console.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Top Secret for z/OS <span style="float: right;">Version 16.0</span></p> <p>Related Problem:</p> <p>TSSMVS 12908</p> <p>Copyright (C) 2021 CA. All rights reserved. R01080-TSS160-SP1</p> <p>DESC(IBMFAC SECURITY CALLS FAIL BECAUSE THE ENTITY GETS TRUNCATED).</p> <p>++VER (Z038)</p> <p>FMID (CAKOG00)</p> <p>PRE ( R083104 R084794 R086945 R087918 R089334 R091603</p> <p>R096857 R097892 R098297 R098395 R099091 R099320</p> <p>R099484 S000713 S001489 S001509 S001630 S003993</p> <p>S004391 S005264 S006599 S007485 S007990 S012940</p> <p>S014392 S014413 S014515 S015439 S015896 S016019</p> <p>S016290 S016294 )</p> <p>SUP ( AR87918 AR89334 AR90069 AS13895 AS15439 BS15896</p> <p>CS15896 LT00311 LT00483 LT00512 R087875 R088651</p> <p>R089203 R089888 R090069 R090317 R091469 R092584</p> <p>R097567 R099939 S001743 S004540 S007314 S008053</p> <p>S012436 S013311 S013895 S014000 S015261 S015753</p> <p>S016134 ST01223 ST01743 ST03679 ST04540 ST07314</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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|         | ST08053 ST10940 ST12436 ST13017 ST13260 ST13311<br>ST13712 ST13796 ST13804 ST13815 ST13895 ST14000<br>ST15261 ST15753 ST16134 TR86962 TR87875 TR87890<br>TR87917 TR88651 TR88994 TR89004 TR89180 TR89203<br>TR89665 TR89888 TR89997 TR90069 TR90317 TR91469<br>TR92584 TR97567 TR99939 )<br>++HOLD (LU00512) SYSTEM FMID(CAKOG00)<br>REASON (DYNACT ) DATE (21071)<br>COMMENT (<br>+-----+<br>  CA Top Secret for z/OS Version 16.0  <br>+-----+<br> SEQUENCE   After Apply  <br>+-----+<br> PURPOSE   Load module into LLA and activate  <br>+-----+<br> USERS   All  <br> AFFECTED    <br>+-----+<br> KNOWLEDGE   1. Console commands  <br> REQUIRED   2. Top Secret administration  <br>+-----+<br> ACCESS   1. Console authority  <br> REQUIRED   2. TSS administrative authority  <br>+-----+<br>*****<br>* STEPS TO PERFORM *<br>*****<br>1. LLA REFRESH and restart CA Top Secret with TSS,,REINIT<br>). |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| LU00526 | <div>M.C.S. ENTRIES = ++PTF (LU00526)</div> <div>UPDATE SAFCRRT TO SHOW EXPIRED SIGNERS</div> <div>PROBLEM DESCRIPTION:</div> <div>After S010685, the signing certificate is not displayed in SAFCRRT if it expires before the signed certificate.</div> <div>For example:</div> <div>If the signing certificate expires on 2022/01/01 and signed certificate expires on 2024/01/01, the report does not show the signed certificate as signed.</div> <div>The report has been updated to display the signing certificate regardless of the expiration date. If the signing certificate has expired at the time of the report, we display a new line informing the user that the signer has expired.</div> <div>Example of the output from the summary report:</div> <div>User - USER98 .CERT10 Signed by: USER01 .CERT9</div> <div>***SIGNER HAS EXPIRED***</div> <div>SYMPTOMS:</div> <div>SAFCRRPT report displays the following when encountering an expired signing certificate:</div> <div>User - USERPROD .CICS0001 Signed by: None - No Record Found</div> <div>IMPACT:</div> <div>User does not know that there was a signing certificate.</div> <div>CIRCUMVENTION:</div> <div>N/A</div> <div>PRODUCT(S) AFFECTED:</div> <div>CA Top Secret for z/OS Version 16.0</div> <div>Related Problem:</div> <div>TSSMVS 10451</div> <div>Copyright (C) 2021 CA. All rights reserved. R01082-TSS160-SP1</div> <div>DESC(UPDATE SAFCRRT TO SHOW EXPIRED SIGNERS).</div> <div>++VER (Z038)</div> <div>FMID (CAKOG00)</div> <div>PRE ( S006741 S007161 S010685 )</div> <div>SUP ( CS10685 LT00526 ST16063 )</div> <div>++HOLD (LU00526) SYSTEM FMID(CAKOG00)</div> <div>REASON (DYNACT ) DATE (21075)</div> <div>COMMENT (</div> <div>+-----+-----+</div> <div>  CA Top Secret for z/OS Version 16.0  </div> <div>+-----+-----+</div> <div> SEQUENCE   After Apply  </div> <div>+-----+-----+</div> <div> PURPOSE   Activate change without IPL  </div> <div>+-----+-----+</div> <div> USERS   All users  </div> <div> AFFECTED    </div> <div>+-----+-----+</div> <div> KNOWLEDGE   Operator commands  </div> <div> REQUIRED    </div> <div>+-----+-----+</div> <div> ACCESS   Operator commands  </div> <div> REQUIRED    </div> |

| Service | Details                                                                                 |
|---------|-----------------------------------------------------------------------------------------|
|         | <pre>+-----+-----+ ***** * STEPS      TO      PERFORM * ***** 1. F LLA REFRESH ).</pre> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| LU00747 | <p>LU00747 M.C.S. ENTRIES = ++PTF (LU00747)</p> <p>The following items are included in this solution:</p> <ol style="list-style-type: none"> <li>1. ABEND U0982 IN TSSKERNL, TSSSIM PROBLEMS WITH SO15896</li> <li>2. TSSCOP ISSUES U0982 ABEND DURING SVC 34 CALL</li> </ol> <p>=====</p> <p>ABEND U0982 IN TSSKERNL, TSSSIM PROBLEMS WITH SO15896</p> <p>PROBLEM DESCRIPTION:</p> <ol style="list-style-type: none"> <li>1. An abend U0982 may occur in the TSSKERNL module TSSKROUT when validating the feedback area supplied on an application security call.</li> <li>2. The TSSSIM profile field that holds the profile name for a permitted resource is truncated to only 1 character.</li> <li>3. A TSSSIM request may fail if the administrator making the request is not an SCA and the target user is not within the administrator's scope.</li> <li>4. Other potential security abends or errors due to improper length checking of storage addresses.</li> </ol> <p>SYMPTOMS:</p> <p>TSS9999E CA-TSS SECURITY SVC ABEND U0982 IN TSSKERNL+61356<br/>CCSR010E TSSRSVCS U0982 at 2E49AB5E LMOD TSSKERNL CSECT TSSKROUT+AFE</p> <p>IMPACT:</p> <p>Application security requests may fail, resulting in a loss of product functionality.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Top Secret for z/OS <span style="float: right;">Version 16.0</span></p> <p>Related Problem:</p> <p>TSSMVS 13166</p> <p>=====</p> <p>TSSCOP ISSUES U0982 ABEND DURING SVC 34 CALL</p> <p>PROBLEM DESCRIPTION:</p> <p>An abend U0982 may occur in the TSSMVS1 module TSSCOP when validating the command area supplied on an SVC 34 call.<br/>The abend only occurs with solution SO15896 applied.</p> <p>SYMPTOMS:</p> <p>An user abend U0982 is taken.</p> <p>IMPACT:</p> <p>Application security requests may fail, resulting in a loss of product functionality.</p> <p>CIRCUMVENTION:</p> <p>Try to re-issue the command</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Top Secret for z/OS <span style="float: right;">Version 16.0</span></p> <p>Related Problem:</p> <p>TSSMVS 13169</p> <p>Copyright (C) 2021 CA. All rights reserved. R01092-TSS160-SP1</p> <p>DESC(ABEND U0982 IN TSSKERNL, TSSSIM PROBLEMS WITH SO15896).<br/>++VER (Z038)<br/>FMID (CAKOG00)<br/>PRE ( LU00512 R083104 R084794 R086945 R087918 R088796<br/>R089203 R089334 R089888 R090317 R091603 R096857</p> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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|         | R097892 R098297 R098395 R099091 R099320 R099484<br>S000713 S001489 S001509 S001630 S003993 S004391<br>S005264 S006599 S007485 S007990 S012940 S012965<br>S014000 S014392 S014413 S014515 S015439 S015896<br>S016019 S016134 S016290 S016294 )<br>SUP ( AR87918 AR89334 AR90069 AS13895 AS15439 DS15896<br>LT00311 LT00483 LT00585 LT00587 LT00747 R087875<br>R088651 R090069 R091469 R092584 R097567 R099939<br>S001743 S004240 S004540 S007199 S007314 S008053<br>S012436 S013311 S013895 S015261 S015753 ST01223<br>ST01743 ST03679 ST04240 ST04540 ST07199 ST07314<br>ST08053 ST10940 ST12436 ST12689 ST13017 ST13081<br>ST13260 ST13311 ST13712 ST13796 ST13804 ST13815<br>ST13895 ST14000 ST15261 ST15753 TR86962 TR87875<br>TR87890 TR87917 TR88651 TR88994 TR89004 TR89180<br>TR89203 TR89665 TR89888 TR89997 TR90069 TR90317<br>TR91469 TR92584 TR97567 TR99939 )<br>++HOLD (LU00747) SYSTEM FMID(CAKOG00)<br>REASON (DYNACT ) DATE (21089)<br>COMMENT (<br>+-----+<br>  CA Top Secret for z/OS Version 16.0  <br>+-----+<br> SEQUENCE   After Apply  <br>+-----+<br> PURPOSE   Activate changes without an IPL  <br>+-----+<br> USERS   All users  <br> AFFECTED    <br>+-----+<br> KNOWLEDGE   TSS administrative commands  <br> REQUIRED   z/OS Operator commands  <br>+-----+<br> ACCESS   TSS administrative command authority  <br> REQUIRED   z/OS Operator command authority  <br>+-----+<br>*****<br>* STEPS TO PERFORM *<br>*****<br>1. LLA REFRESH<br>2. Restart CA Top Secret with ,,,REINIT<br>3. F TSS,REFRESH(SAFRT001)<br>). |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SO16135 | <p>SO16135 M.C.S. ENTRIES = ++PTF (SO16135)</p> <p>UDFCHAR CONSTRAINT VIOLATION</p> <p>PROBLEM DESCRIPTION:</p> <p>A Compliance Information Analysis (CIA) load encounters a constraint violation error after an enhancement that allows FDT fields to be added to GROUPS.</p> <p>SYMPTOMS:</p> <p>DSNURWBF - RECORD (x) VIOLATES CHECK CONSTRAINT AUTHTYPE ON TABLE CIA.UDFCHAR</p> <p>IMPACT:</p> <p>Cannot load the UDFCHAR table.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Top Secret for z/OS <span style="float: right;">Version 16.0</span></p> <p>Related Problem:</p> <p>TSSMVS 10458</p> <p>Copyright (C) 2021 CA. All rights reserved. R01053-TSS160-SP1</p> <p>DESC(UDFCHAR CONSTRAINT VIOLATION).</p> <p>++VER (Z038)</p> <p>FMID (CAKOG00)</p> <p>SUP ( R086556 R091702 R098390 ST16135 TR86556 TR91702<br/>TR98169 TR98390 )</p> <p>++HOLD (SO16135) SYSTEM FMID(CAKOG00)</p> <p>REASON (DYNACT ) DATE (21021)</p> <p>COMMENT (</p> <pre> +-----+        CA Top Secret for z/OS      Version 16.0        +-----+  SEQUENCE   After Apply                                       +-----+  PURPOSE    Correct UDFCHAR constraint error                       +-----+  USERS      Users of Compliance Information Analysis (CIA) for TSS    AFFECTED                                                             +-----+  KNOWLEDGE  1. SMP/E                                                 REQUIRED   2. Operator Commands                                    +-----+  ACCESS     1. SMP/E libraries                                       REQUIRED   2. Operator console                                    +-----+ ***** * STEPS TO PERFORM * ***** 1. LLA Refresh 2. Rerun CIA load 3. Restart CIA Real-Time task ).</pre> |

| Service | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SO16204 | <p>SO16204 M.C.S. ENTRIES = ++PTF (SO16204)</p> <p>NOTIFY OF INCOMPLETE CLEANUP OF KEYRING</p> <p>PROBLEM DESCRIPTION:</p> <p>If a VSAM error occurs while removing a digital certificate, an invalid Pointer may be left on the keyring. Later, when the keyring is read, the invalid pointer causes reading of the keyring to end at that entry. The only notification that this error occurred is message TSS8895E, which gives no indication of which keyring encountered the problem. A new TSS1642E message is issued when a VSAM error occurs during the keyring update that identifies both the certificate that failed and the associated keyring.</p> <p>TSS1642E Certificate USER001 / CERT001 Could not be removed from keyring<br/>USER009 / KEYRINGA</p> <p>SYMPTOMS:</p> <p>*TSS8859E VSAM PUT ERROR- RC=08 RS=1C KEY=*SDT</p> <p>IMPACT:</p> <p>The keyring with the invalid certificate pointer may have an incomplete signing chain.</p> <p>CIRCUMVENTION:</p> <p>Regen a dummy certificate with the same name as the certificate that was removed and caused the TSS8895E error message.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Top Secret for z/OS Version 16.0</p> <p>Related Problem:</p> <p>TSSMVS 10442</p> <p>Copyright (C) 2021 CA. All rights reserved. R01055-TSS160-SP1</p> <p>DESC(NOTIFY OF INCOMPLETE CLEANUP OF KEYRING).</p> <p>++VER (Z038)</p> <p>FMID (CAKOG00)</p> <p>PRE ( S007161 S007497 S008923 S010685 S013060 )</p> <p>SUP ( ST16204 TR91287 )</p> <p>++HOLD (SO16204) SYSTEM FMID(CAKOG00)</p> <p>REASON (DYNACT ) DATE (21032)</p> <p>COMMENT (</p> <pre> +-----+        CA Top Secret for z/OS                      Version 16.0        +-----+-----+  SEQUENCE   After Apply                                            +-----+-----+  PURPOSE     Notify user of keyring removal error                  +-----+-----+  USERS       Using TSS to manage Digital Certificate                 AFFECTED                                                             +-----+-----+  KNOWLEDGE   Operator commands                                     REQUIRED                                                             +-----+-----+  ACCESS      z/OS operator commands                                 REQUIRED                                                             +-----+-----+ ***** *  STEPS      TO      PERFORM  * </pre> |

| Service | Details                 |                     |
|---------|-------------------------|---------------------|
|         | *****                   |                     |
|         | 1. F LLA REFRESH        |                     |
|         | 2. Restart TSS,,,REINIT |                     |
|         | ).                      |                     |
| MCS     | LU00345                 | STARTS ON PAGE 0002 |
| MCS     | LU00358                 | STARTS ON PAGE 0003 |
| MCS     | LU00372                 | STARTS ON PAGE 0004 |
| MCS     | LU00512                 | STARTS ON PAGE 0006 |
| MCS     | LU00526                 | STARTS ON PAGE 0008 |
| MCS     | LU00747                 | STARTS ON PAGE 0010 |
| MCS     | SO16135                 | STARTS ON PAGE 0012 |
| MCS     | SO16204                 | STARTS ON PAGE 0014 |

CA Top Secret Security for z/OS 16.0  
CA RS 2104 Product/Component Listing

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| Product Family                                               | Product                | Release  |
|--------------------------------------------------------------|------------------------|----------|
| Security                                                     | CA TOP SECRET FOR Z/OS | 16.00.00 |
| The CA RS 2104 Product/Component Count for this release is 1 |                        |          |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
| CAR2104     | S016204 | CAKOG00 |
|             | S016135 | CAKOG00 |
|             | LU00747 | CAKOG00 |
|             | LU00526 | CAKOG00 |
|             | LU00512 | CAKOG00 |
|             | LU00372 | CAKOG00 |
|             | LU00358 | CAKOG00 |
|             | LU00345 | CAKOG00 |
|             |         |         |
| CAR2103     | S016321 | CAKOG00 |
|             | S016319 | CAKOG00 |
|             | S016316 | CAKOG00 |
|             | S016312 | CAKOG00 |
|             | S016294 | CAKOG00 |
|             | S016110 | CAKOG00 |
|             | S016021 | CAKOG00 |
|             |         |         |
| CAR2102     | S016290 | CAKOG00 |
|             | S016134 | CAKOG00 |
|             | S015905 | CAKOG00 |
|             | S015869 | CAKOG00 |
| CAR2101     | S016055 | CAKOG00 |
|             | S016048 | CAKOG00 |
|             | S016019 | CAKOG00 |
|             | S015896 | CAKOG00 |
|             | S015764 | CAKOG00 |
|             | S015753 | CAKOG00 |
|             | S015715 | CAKOG00 |
|             | S015659 | CAKOG00 |
|             | S015653 | CAKOG00 |
|             | S015648 | CAKOG00 |
|             |         |         |
|             |         |         |
| CAR2012     | S015625 | CAKOG00 |
|             | S015538 | CAKOG00 |
|             | S015439 | CAKOG00 |
|             | S015401 | CAKOG00 |
|             | S015329 | CAKOG00 |
|             | S015261 | CAKOG00 |
|             | S015188 | CAKOG00 |
|             | S014538 | CAKOG00 |
|             | S013801 | CAKOG00 |
|             |         |         |
|             |         |         |
|             |         |         |
| CAR2011     | S015135 | CAKOG01 |
| CAR2010     | S014947 | CAKOG00 |
|             | S014769 | CAKOG00 |
|             | S014730 | CAKOG00 |
|             | S014521 | CAKOG00 |
|             | S014515 | CAKOG00 |
|             | S014444 | CAKOG00 |
|             | S014341 | CAKOG02 |
|             | S014340 | CAKOG00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S013550 | CAKOG00 |
|             | S013289 | CAKOG00 |
| CAR2009     | S014413 | CAKOG00 |
|             | S014396 | CAKOG01 |
|             | S014392 | CAKOG00 |
|             | S014329 | CAKOG00 |
|             | S014291 | CAKOG00 |
|             | S013963 | CAKOG00 |
|             | S013922 | CAKOG00 |
|             | S013595 | CAKOG00 |
|             | S013542 | CAKOG00 |
|             | S013469 | CAKOG00 |
| CAR2008     | S014005 | CAKOG00 |
|             | S014000 | CAKOG00 |
|             | S013895 | CAKOG00 |
|             | S013890 | CAKOG00 |
|             | S013700 | CAKOG00 |
|             | S013405 | CAKOG00 |
| CAR2007     | S013600 | CAKOG01 |
|             | S013533 | CAKOG00 |
|             | S013510 | CAKOG00 |
|             | S013389 | CAKOG00 |
|             | S013382 | CAKOG00 |
|             | S013311 | CAKOG00 |
|             | S013060 | CAKOG00 |
|             | S012830 | CAKOG01 |
|             | S012413 | CAKOG00 |
|             | S012332 | CAKOG00 |
|             | S010618 | CAKOG00 |
|             | S009836 | CAKOG01 |
|             | R085669 | CAKOG01 |
| CAR2006     | S013290 | CAKOG00 |
|             | S013110 | CAKOG00 |
|             | S013099 | CAKOG00 |
|             | S013014 | CAKOG00 |
|             | S012989 | CAKOG00 |
|             | S012965 | CAKOG00 |
|             | S012947 | CAKOG00 |
|             | S012940 | CAKOG00 |
|             | S012931 | CAKOG00 |
|             | S012162 | CAKOG00 |
| CAR2005     | S012923 | CAKOG00 |
|             | S012760 | CAKOG00 |
|             | S012752 | CAKOG00 |
|             | S012533 | CAKOG00 |
|             | S012531 | CAKOG00 |
|             | S012436 | CAKOG00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S012319 | CAKOG00 |
|             | S012318 | CAKOG00 |
|             | S012038 | CAKOG00 |
|             | S008772 | CAKOG01 |
| CAR2004     | S012408 | CAKOG00 |
|             | S012296 | CAKOG00 |
|             | S012161 | CAKOG00 |
|             | S012129 | CAKOG00 |
|             | S012118 | CAKOG00 |
|             | S012039 | CAKOG00 |
|             | S011952 | CAKOG02 |
| CAR2003     | S011984 | CAKOG00 |
|             | S011958 | CAKOG00 |
|             | S011941 | CAKOG00 |
|             | S011937 | CAKOG00 |
|             | S011907 | CAKOG00 |
|             | S011904 | CAKOG00 |
|             | S011889 | CAKOG00 |
|             | S011310 | CAKOG00 |
|             | S010757 | CAKOG00 |
| CAR2002     | S011656 | CAKOG00 |
|             | S011504 | CAKOG00 |
|             | S011478 | CAKOG00 |
|             | S011429 | CAKOG00 |
|             | S011410 | CAKOG00 |
|             | S011357 | CAKOG00 |
|             | S011115 | CAKOG01 |
|             | S010700 | CAKOG01 |
| CAR2001     | S011311 | CAKOG00 |
|             | S011307 | CAKOG00 |
|             | S011233 | CAKOG00 |
|             | S011151 | CAKOG00 |
|             | S011146 | CAKOG00 |
|             | S011140 | CAKOG00 |
|             | S011041 | CAKOG00 |
|             | S011001 | CAKOG00 |
|             | S010778 | CAKOG00 |
|             | S010486 | CAKOG01 |
|             | S010485 | CAKOG00 |
| CAR1912     | S010968 | CAKOG00 |
|             | S010967 | CAKOG00 |
|             | S010890 | CAKOG00 |
|             | S010845 | CAKOG00 |
|             | S010823 | CAKOG00 |
|             | S010745 | CAKOG00 |
|             | S010685 | CAKOG00 |
|             | S010635 | CAKOG00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S010483 | CAKOG01 |
|             | S010482 | CAKOG00 |
|             | S006017 | CAKOG01 |
| CAR1911     | S010461 | CAKOG00 |
|             | S010383 | CAKOG00 |
|             | S010311 | CAKOG00 |
|             | S009909 | CAKOG01 |
|             | S009529 | CAKOG00 |
|             | S008881 | CAKOG00 |
|             | S008053 | CAKOG00 |
| CAR1910     | S009774 | CAKOG00 |
|             | S009286 | CAKOG00 |
| CAR1909     | S009829 | CAKOG00 |
|             | S009635 | CAKOG00 |
|             | S009634 | CAKOG00 |
|             | S008125 | CAKOG00 |
|             | S006782 | CAKOG00 |
| CAR1908     | S009073 | CAKOG00 |
|             | S008996 | CAKOG01 |
|             | S008736 | CAKOG00 |
|             | S008650 | CAKOG00 |
|             | S008611 | CAKOG00 |
|             | S008343 | CAKOG00 |
| CAR1907     | S008923 | CAKOG00 |
|             | S008909 | CAKOG00 |
|             | S008791 | CAKOG00 |
|             | S008601 | CAKOG00 |
|             | S008490 | CAKOG00 |
|             | S008205 | CAKOG00 |
| CAR1906     | S008399 | CAKOG00 |
|             | S008306 | CAKOG00 |
|             | S008271 | CAKOG00 |
|             | S008245 | CAKOG00 |
|             | S008200 | CAKOG00 |
|             | S008188 | CAKOG00 |
|             | S008182 | CAKOG00 |
|             | S008164 | CAKOG01 |
|             | S008054 | CAKOG00 |
| CAR1905     | S008150 | CAKOG01 |
|             | S008092 | CAKOG00 |
|             | S008024 | CAKOG00 |
|             | S008020 | CAKOG00 |
|             | S007990 | CAKOG00 |
|             | S007966 | CAKOG00 |
|             | S007938 | CAKOG00 |
|             | S007931 | CAKOG00 |
|             | S007913 | CAKOG00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S007855 | CAKOG00 |
|             | S007479 | CAKOG01 |
|             | S007478 | CAKOG00 |
|             | S007360 | CAKOG00 |
| CAR1904     | S007748 | CAKOG00 |
|             | S007738 | CAKOG00 |
|             | S007652 | CAKOG00 |
|             | S007587 | CAKOG00 |
|             | S007582 | CAKOG00 |
|             | S007581 | CAKOG00 |
|             | S007547 | CAKOG00 |
|             | S007542 | CAKOG00 |
|             | S007497 | CAKOG00 |
|             | S007485 | CAKOG00 |
|             | S007199 | CAKOG00 |
|             | S007161 | CAKOG00 |
|             | S007159 | CAKOG01 |
|             | S007137 | CAKOG00 |
|             | S006964 | CAKOG00 |
|             | S006888 | CAKOG00 |
| CAR1903     | S007314 | CAKOG00 |
|             | S007261 | CAKOG00 |
|             | S007052 | CAKOG00 |
|             | S006816 | CAKOG00 |
|             | S006813 | CAKOG00 |
| CAR1902     | S007044 | CAKOG00 |
|             | S006966 | CAKOG00 |
|             | S006929 | CAKOG00 |
|             | S006885 | CAKOG01 |
|             | S006832 | CAKOG00 |
|             | S006830 | CAKOG00 |
|             | S006775 | CAKOG00 |
|             | S006741 | CAKOG00 |
|             | S006640 | CAKOG00 |
|             | S006140 | CAKOG00 |
|             | S005824 | CAKOG00 |
|             | S005769 | CAKOG00 |
|             | S005224 | CAKOG00 |
|             | S000395 | CAKOG00 |
|             | S000226 | CAKOG00 |
| CAR1901     | S006621 | CAKOG00 |
|             | S006616 | CAKOG00 |
|             | S006599 | CAKOG00 |
|             | S006548 | CAKOG00 |
|             | S006175 | CAKOG00 |
|             | S005546 | CAKOG01 |
|             | S005545 | CAKOG00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R085987 | CAKOG00 |
|             | R083213 | CAKOG00 |
|             | R082305 | CAKOG00 |
|             | R081855 | CAKOG00 |
|             | R081160 | CAKOG00 |
|             | R079885 | CAKOG00 |
| CAR1812     | S006391 | CAKOG00 |
|             | S006348 | CAKOG00 |
|             | S005970 | CAKOG00 |
|             | S005587 | CAKOG01 |
|             | S005586 | CAKOG00 |
| CAR1811     | S005859 | CAKOG00 |
|             | S005801 | CAKOG00 |
|             | S005724 | CAKOG00 |
|             | S005697 | CAKOG00 |
|             | S005615 | CAKOG00 |
|             | S005608 | CAKOG00 |
|             | S005421 | CAKOG00 |
|             | S005414 | CAKOG00 |
|             | S005401 | CAKOG00 |
|             | S005128 | CAKOG01 |
|             | S003835 | CAKOG00 |
|             | R098948 | CAKOG00 |
|             | R085956 | CAKOG00 |
|             | R085935 | CAKOG00 |
|             | R082900 | CAKOG00 |
|             | R079659 | CAKOG00 |
| CAR1810     | S005559 | CAKOG00 |
|             | S005489 | CAKOG00 |
|             | S005395 | CAKOG02 |
|             | S005394 | CAKOG00 |
|             | S005264 | CAKOG00 |
|             | S005255 | CAKOG00 |
|             | S005250 | CAKOG00 |
|             | S005230 | CAKOG00 |
|             | S005207 | CAKOG00 |
|             | S004851 | CAKOG00 |
|             | S004682 | CAKOG00 |
|             | S000278 | CAKOG01 |
|             | R098341 | CAKOG00 |
| CAR1809     | S005160 | CAKOG00 |
|             | S005062 | CAKOG00 |
|             | S005028 | CAKOG00 |
|             | S004996 | CAKOG00 |
|             | S004966 | CAKOG00 |
|             | S004964 | CAKOG00 |
|             | S004936 | CAKOG00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S004881 | CAKOG00 |
|             | S004576 | CAKOG00 |
|             | S004240 | CAKOG00 |
|             | S004144 | CAKOG00 |
| CAR1808     | S004627 | CAKOG00 |
|             | S004540 | CAKOG00 |
|             | S004444 | CAKOG00 |
|             | S004391 | CAKOG00 |
|             | S004371 | CAKOG00 |
|             | S004368 | CAKOG00 |
|             | S004082 | CAKOG00 |
|             | S004066 | CAKOG00 |
|             | S003961 | CAKOG00 |
|             | S003829 | CAKOG00 |
|             | S003685 | CAKOG00 |
|             | S003659 | CAKOG00 |
|             | S001945 | CAKOG00 |
|             | S001126 | CAKOG00 |
|             | S000242 | CAKOG00 |
| CAR1807     | S004109 | CAKOG00 |
|             | S004024 | CAKOG00 |
|             | S003993 | CAKOG00 |
|             | S003864 | CAKOG00 |
|             | S003858 | CAKOG00 |
|             | S003596 | CAKOG00 |
|             | S001788 | CAKOG00 |
|             | S001743 | CAKOG00 |
|             | S001525 | CAKOG00 |
| CAR1806     | S003648 | CAKOG00 |
|             | S001968 | CAKOG00 |
|             | S001882 | CAKOG00 |
|             | S001741 | CAKOG00 |
|             | S001735 | CAKOG00 |
|             | S001689 | CAKOG00 |
|             | S001631 | CAKOG00 |
|             | S001630 | CAKOG00 |
|             | S001570 | CAKOG00 |
| CAR1805     | S001513 | CAKOG00 |
|             | S001509 | CAKOG00 |
|             | S001489 | CAKOG00 |
|             | S001355 | CAKOG00 |
|             | S001285 | CAKOG00 |
|             | S001267 | CAKOG00 |
|             | S001265 | CAKOG00 |
|             | S001198 | CAKOG00 |
|             | S001008 | CAKOG00 |
|             | S000861 | CAKOG00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | S000468 | CAKOG00 |
|             | S000279 | CAKOG00 |
|             | R099747 | CAKOG00 |
|             | R098984 | CAKOG00 |
| CAR1804     | S001123 | CAKOG00 |
|             | S001085 | CAKOG00 |
|             | S001069 | CAKOG00 |
|             | S000973 | CAKOG01 |
|             | S000934 | CAKOG00 |
|             | S000816 | CAKOG00 |
|             | S000773 | CAKOG00 |
|             | S000713 | CAKOG00 |
|             | S000316 | CAKOG00 |
| CAR1803     | S000387 | CAKOG00 |
|             | S000365 | CAKOG00 |
|             | S000262 | CAKOG00 |
|             | S000254 | CAKOG00 |
|             | S000250 | CAKOG00 |
|             | S000249 | CAKOG00 |
|             | S000170 | CAKOG00 |
|             | S000140 | CAKOG00 |
|             | S000139 | CAKOG00 |
|             | S000092 | CAKOG00 |
|             | S000039 | CAKOG01 |
|             | R099952 | CAKOG00 |
|             | R099844 | CAKOG00 |
|             | R099694 | CAKOG00 |
|             | R099650 | CAKOG00 |
|             | R098925 | CAKOG00 |
|             | R098826 | CAKOG00 |
| CAR1802     | S000169 | CAKOG01 |
|             | S000168 | CAKOG00 |
|             | S000132 | CAKOG00 |
|             | S000082 | CAKOG00 |
|             | S000049 | CAKOG00 |
|             | R099939 | CAKOG00 |
|             | R099736 | CAKOG01 |
|             | R099645 | CAKOG00 |
|             | R099610 | CAKOG00 |
|             | R099576 | CAKOG00 |
|             | R099396 | CAKOG00 |
|             | R098940 | CAKOG00 |
|             | R098773 | CAKOG00 |
|             | R098733 | CAKOG00 |
|             | R098492 | CAKOG01 |
|             | R097905 | CAKOG00 |
| CAR1801     | R099690 | CAKOG00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R099512 | CAKOG00 |
|             | R099484 | CAKOG00 |
|             | R099394 | CAKOG00 |
|             | R099320 | CAKOG00 |
|             | R099095 | CAKOG00 |
|             | R099091 | CAKOG00 |
|             | R099005 | CAKOG00 |
|             | R098361 | CAKOG00 |
|             | R097776 | CAKOG00 |
| CAR1712     | R099287 | CAKOG00 |
|             | R099167 | CAKOG00 |
|             | R098943 | CAKOG00 |
|             | R098852 | CAKOG00 |
|             | R098804 | CAKOG00 |
|             | R098757 | CAKOG00 |
|             | R098395 | CAKOG00 |
|             | R098011 | CAKOG00 |
|             | R094537 | CAKOG00 |
| CAR1711     | R098795 | CAKOG00 |
|             | R098734 | CAKOG03 |
|             | R098716 | CAKOG00 |
|             | R098634 | CAKOG03 |
|             | R098458 | CAKOG00 |
|             | R098455 | CAKOG00 |
|             | R098437 | CAKOG02 |
|             | R098394 | CAKOG00 |
|             | R098390 | CAKOG00 |
|             | R098389 | CAKOG00 |
|             | R098365 | CAKOG00 |
|             | R098358 | CAKOG00 |
|             | R098297 | CAKOG00 |
|             | R097411 | CAKOG00 |
|             | R094019 | CAKOG02 |
|             | R094018 | CAKOG00 |
| CAR1710     | R098232 | CAKOG00 |
|             | R098051 | CAKOG00 |
|             | R097899 | CAKOG00 |
|             | R097892 | CAKOG00 |
|             | R097832 | CAKOG00 |
|             | R097814 | CAKOG00 |
|             | R097809 | CAKOG00 |
|             | R097746 | CAKOG00 |
|             | R097567 | CAKOG00 |
|             | R097504 | CAKOG02 |
|             | R097390 | CAKOG00 |
|             | R097372 | CAKOG01 |
|             | R097371 | CAKOG00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R091062 | CAKOG00 |
| CAR1709     | R097317 | CAKOG00 |
|             | R097257 | CAKOG00 |
|             | R097114 | CAKOG00 |
|             | R097009 | CAKOG00 |
| CAR1708     | R097041 | CAKOG00 |
|             | R096998 | CAKOG00 |
|             | R096977 | CAKOG00 |
|             | R096857 | CAKOG00 |
|             | R096670 | CAKOG00 |
|             | R096542 | CAKOG00 |
|             | R096225 | CAKOG00 |
|             | R096135 | CAKOG01 |
|             | R095752 | CAKOG00 |
|             | R094449 | CAKOG00 |
|             | R094015 | CAKOG00 |
|             | R091735 | CAKOG00 |
|             | R091733 | CAKOG01 |
| CAR1707     | R096696 | CAKOG00 |
|             | R096321 | CAKOG00 |
|             | R096125 | CAKOG00 |
|             | R096103 | CAKOG00 |
|             | R096081 | CAKOG00 |
| CAR1706     | R096001 | CAKOG00 |
|             | R095981 | CAKOG00 |
|             | R095938 | CAKOG00 |
|             | R095857 | CAKOG00 |
|             | R095818 | CAKOG00 |
|             | R095793 | CAKOG00 |
|             | R095454 | CAKOG00 |
|             | R095428 | CAKOG00 |
|             | R095424 | CAKOG00 |
|             | R092920 | CAKOG00 |
| CAR1705     | R095692 | CAKOG00 |
|             | R095291 | CAKOG00 |
|             | R095244 | CAKOG00 |
|             | R095201 | CAKOG00 |
|             | R095061 | CAKOG00 |
|             | R088301 | CAKOG00 |
| CAR1704     | R095026 | CAKOG00 |
|             | R094971 | CAKOG00 |
|             | R094913 | CAKOG00 |
|             | R094909 | CAKOG00 |
|             | R094718 | CAKOG00 |
|             | R094686 | CAKOG00 |
|             | R094168 | CAKOG00 |
|             | R093932 | CAKOG00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
| CAR1703     | R094517 | CAKOG00 |
|             | R094383 | CAKOG00 |
|             | R094298 | CAKOG00 |
|             | R094101 | CAKOG00 |
|             | R093840 | CAKOG00 |
| CAR1702     | R093979 | CAKOG00 |
|             | R093757 | CAKOG00 |
|             | R093744 | CAKOG00 |
|             | R093398 | CAKOG00 |
| CAR1701     | R093171 | CAKOG00 |
|             | R092888 | CAKOG00 |
|             | R092584 | CAKOG00 |
| CAR1612     | R093298 | CAKOG00 |
|             | R093059 | CAKOG00 |
|             | R092967 | CAKOG00 |
|             | R092772 | CAKOG01 |
|             | R092771 | CAKOG00 |
|             | R092742 | CAKOG00 |
|             | R092581 | CAKOG00 |
|             | R092412 | CAKOG00 |
|             | R092198 | CAKOG01 |
|             | R092092 | CAKOG00 |
|             | R092039 | CAKOG00 |
|             | R092854 | CAKOG00 |
|             | R092811 | CAKOG00 |
|             | R092809 | CAKOG00 |
| CAR1611     | R092808 | CAKOG00 |
|             | R092696 | CAKOG00 |
|             | R092675 | CAKOG00 |
|             | R092619 | CAKOG00 |
|             | R092560 | CAKOG00 |
|             | R092502 | CAKOG00 |
|             | R091873 | CAKOG00 |
|             | R091186 | CAKOG00 |
|             | R088880 | CAKOG00 |
|             | R091454 | CAKOG00 |
| CAR1610     | R091447 | CAKOG00 |
|             | R091707 | CAKOG00 |
| CAR1609     | R091702 | CAKOG00 |
|             | R091603 | CAKOG00 |
|             | R091469 | CAKOG00 |
|             | R091248 | CAKOG00 |
|             | R091172 | CAKOG00 |
|             | R090979 | CAKOG01 |
|             | R090633 | CAKOG00 |
|             | R091002 | CAKOG00 |
| CAR1608     | R090784 | CAKOG00 |

| CA RS Level | Service | FMID    |
|-------------|---------|---------|
|             | R090627 | CAKOG00 |
|             | R090626 | CAKOG00 |
|             | R090186 | CAKOG00 |
|             | R089750 | CAKOG00 |
|             | R088433 | CAKOG01 |
|             | R086556 | CAKOG00 |
| CAR1607     | R090358 | CAKOG00 |
|             | R090317 | CAKOG00 |
|             | R090165 | CAKOG00 |
|             | R089936 | CAKOG00 |
|             | R089828 | CAKOG00 |
| CAR1606     | R090184 | CAKOG01 |
|             | R090069 | CAKOG00 |
|             | R089965 | CAKOG00 |
|             | R089889 | CAKOG00 |
|             | R089888 | CAKOG00 |
|             | R089682 | CAKOG00 |
|             | R089668 | CAKOG00 |
|             | R089233 | CAKOG00 |
| CAR1605     | R089361 | CAKOG00 |
|             | R089334 | CAKOG00 |
|             | R089210 | CAKOG00 |
|             | R089203 | CAKOG00 |
| CAR1604     | R088969 | CAKOG02 |
|             | R088968 | CAKOG00 |
|             | R088932 | CAKOG00 |
|             | R088848 | CAKOG00 |
|             | R088796 | CAKOG00 |
|             | R088651 | CAKOG00 |
|             | R088603 | CAKOG00 |
|             | R088551 | CAKOG00 |
|             | R088473 | CAKOG00 |
|             | R088415 | CAKOG00 |
|             | R087918 | CAKOG00 |
|             | R087883 | CAKOG00 |
|             | R087515 | CAKOG00 |
| CAR1603     | R088130 | CAKOG00 |
|             | R087961 | CAKOG01 |
|             | R087881 | CAKOG00 |
|             | R087875 | CAKOG00 |
|             | R087826 | CAKOG00 |
| CAR1602     | R087827 | CAKOG00 |
|             | R087738 | CAKOG00 |
|             | R087735 | CAKOG00 |
|             | R086945 | CAKOG00 |
|             | R086559 | CAKOG00 |
|             | R086552 | CAKOG00 |

| CA RS<br>Level | Service | FMID    |
|----------------|---------|---------|
|                | R086294 | CAKOG00 |
|                | R085890 | CAKOG00 |