

CA Common Services 14.1
CA RS 1706 Service List

Service	Description	Type
RO93791	APACHE TOMCAT VERSION 8.0.39	PTF
RO94761	CCI SUPPORT OF TLS 1.1 AND 1.2	PTF
RO95271	CJ** TRANS VALIDATED IN TSS W/TYPE RSAF NOT CICSKEY TYPE=	PTF
RO95554	IMOD FOUR BYTE CONSOLE SUPPORT	PTF
RO95587	OPS/MVS INTEGRATION SERVICE	PTF
RO95631	S0C4-38 ABEND IN CAVDCSET	PTF
RO96072	DELIVER DATA MOVER POST-GA UPDATES	PTF
The CA RS 1706 service count for this release is 7		

CA Common Services
CA RS 1706 Service List for CAS9E10

FMID	Service	Description	Type
CAS9E10	RO95587	OPS/MVS INTEGRATION SERVICE	PTF
The CA RS 1706 service count for this FMID is 1			

CA Common Services
CA RS 1706 Service List for CAW3E10

FMID	Service	Description	Type
CAW3E10	RO95271	CJ** TRANS VALIDATED IN TSS W/TYPE RSAF NOT CICSKEY TYPE=	PTF
The CA RS 1706 service count for this FMID is 1			

CA Common Services
CA RS 1706 Service List for CAW4E10

FMID	Service	Description	Type
CAW4E10	RO94761	CCI SUPPORT OF TLS 1.1 AND 1.2	PTF
The CA RS 1706 service count for this FMID is 1			

CA Common Services
CA RS 1706 Service List for CBYSE00

FMID	Service	Description	Type
CBYSE00	R095554	IMOD FOUR BYTE CONSOLE SUPPORT	PTF
The CA RS 1706 service count for this FMID is 1			

CA Common Services
CA RS 1706 Service List for CEG1E10

FMID	Service	Description	Type
CEG1E10	RO93791	APACHE TOMCAT VERSION 8.0.39	PTF
The CA RS 1706 service count for this FMID is 1			

CA Common Services
CA RS 1706 Service List for CFA9E10

FMID	Service	Description	Type
CFA9E10	RO95631	S0C4-38 ABEND IN CAVDCSET	PTF
The CA RS 1706 service count for this FMID is 1			

CA Common Services
CA RS 1706 Service List for CFGBE10

FMID	Service	Description	Type
CFGBE10	RO96072	DELIVER DATA MOVER POST-GA UPDATES	PTF
The CA RS 1706 service count for this FMID is 1			

CA Common Services 14.1
CA RS 1706 - PTF RO93791 Details

Service	Details
RO93791	<p>RO93791 M.C.S. ENTRIES = ++PTF (RO93791)</p> <p>APACHE TOMCAT VERSION 8.0.39</p> <p>PROBLEM DESCRIPTION: This PTF upgrades CCS Tomcat to release 8.0.39 to fix all known vulnerabilities. This release of CCS Tomcat now contains support for WTO messages that can be used for automating tasks. The PTF also delivers JCL (to a central location) used to deploy, configure and start Tomcat. Lastly, CCS Tomcat 8.0.39 will be SSL-enabled by default, and SAF keyring configuration will be supported.</p> <p>SYMPTOMS: None.</p> <p>IMPACT: None.</p> <p>CIRCUMVENTION: None.</p> <p>PRODUCT(S) AFFECTED: APACHE TOMCAT Release 14.1</p> <p>Related Problem: TOMZOS 6</p> <p>Copyright (C) 2017 CA. All rights reserved. R00441-AW0141-SP1</p> <p>DESC(APACHE TOMCAT VERSION 8.0.39). ++VER (Z038) FMID (CEG1E10) SUP (TR93593 TR93791 T5W8033) ++HOLD (RO93791) SYSTEM FMID(CEG1E10) REASON (DYNACT) DATE (17124) COMMENT (</p> <pre> +-----+ APACHE TOMCAT Release 14.1 +-----+ SEQUENCE Both before Apply and after Apply +-----+ PURPOSE Backup of CCS Tomcat 7.0.40 configuration. +-----+ USERS Current users of CCS Tomcat 7.0.40. +-----+ KNOWLEDGE z/OS Systems Programming. +-----+ ACCESS Update access to \$CATALINA_HOME and \$CATALINA_BASE. +-----+ ***** * STEPS TO PERFORM * ***** Existing CCS Tomcat 7.0.40 users upgrading to 8.0.39: Before installing this PTF, back up each instance of \$CATALINA_BASE/ conf/ that contains manually applied changes. Apply the PTF by running the CAW0JCL job (in accordance with the section named CCS Apache Tomcat Installation, Deployment, and Configuration in the CA Common Services DocOps platform) to deploy Tomcat and create a new instance file system for each product. Next, for each product, merge the backed-up changes from the Tomcat 7.0.40 instance into the \$CATALINA_BASE/conf/ directory in the new file system. We recommend that you upgrade to Tomcat 8.0.39. However, if CCS Tomcat 7.0.40 is required after you install Tomcat 8.0.39, complete the following steps: </pre>

CA Common Services 14.1
CA RS 1706 - PTF RO93791 Details

Service	Details
	<p>1. In the TOMENVPR member, change the CATALINA_HOME variable to '/cai/CASoftware/CCS/tpv/apache-tomcat-7.0.40'</p> <p>2. In each \$CATALINA_BASE/conf/server.xml file, comment out the following line (<!-- -->):</p> <pre><Listener className="org.apache.catalina.startup. VersionLoggerListener" /></pre> <p>Note: If an SMP/E RESTORE is necessary, remove the symbolic link /cai/CASoftware/CCS/tpv/tomcat before you execute the restore operation. If you do not remove the symbolic link, shell script errors will occur.</p> <pre>). PARM(PATHMODE(0,7,7,5)) SHSCRIPT(TOMCATSH,POST) . TEXT PARM(PATHMODE(0,7,7,5)) .</pre>

CA Common Services 14.1
CA RS 1706 - PTF RO94761 Details

Service	Details
RO94761	<pre> RO94761 M.C.S. ENTRIES = ++PTF (RO94761) CCI SUPPORT OF TLS 1.1 AND 1.2 ENHANCEMENT DESCRIPTION: This PTF will deliver support for TLS 1.1 and 1.2 for the CCISSL and CCISSLGW tasks. ENHANCEMENT RESOLUTION: Deploy updated CAW0PLD, and recycle CCISSL and CCISSLGW tasks. PRODUCT(S) AFFECTED: Common Communications Interface with SSL Release 14.1 Related Problem: CCIMVS 1111 Copyright (C) 2017 CA. All rights reserved. R00450-AW0141-SP1 DESC(CCI SUPPORT OF TLS 1.1 AND 1.2). ++VER (Z038) FMID (CAW4E10) PRE (R043788 R047041 R047053 R065568 R074389 R075043 R079932 R085315 R090383) SUP (AR61526 AR65223 AR74389 AR90383 R049720 R054035 R055364 R057403 R060196 R061290 R061526 R064943 R065223 R071715 R071747 R080854 R082883 R084173 R094596 TR47041 TR47053 TR49720 TR50510 TR54035 TR54218 TR55364 TR55953 TR57403 TR60196 TR60726 TR61290 TR61526 TR64360 TR64943 TR65223 TR67656 TR69607 TR70156 TR71715 TR71747 TR74015 TR77960 TR80854 TR82883 TR84173 TR85977 TR87945 TR92645 TR93951 TR94596 TR94761) ++HOLD (RO94761) SYSTEM FMID(CAW4E10) REASON (ACTION) DATE (17139) COMMENT (+-----+ Common Communications Interface with SSL Release 14.1 +-----+ SEQUENCE After Apply +-----+ PURPOSE Implementation changes +-----+ USERS CCI with SSL AFFECTED +-----+ KNOWLEDGE None REQUIRED +-----+ ACCESS None REQUIRED +-----+ ***** * STEPS TO PERFORM * ***** As part of the support for TLS 1.1 and 1.2, updated CCI procs have been delivered with this APAR. Please review informational PTF RI96228 for details regarding the updated PROCS and additional configuration datasets.) </pre>

CA Common Services 14.1
CA RS 1706 - PTF RO95271 Details

Service	Details
RO95271	<p>RO95271 M.C.S. ENTRIES = ++PTF (RO95271)</p> <p>CJ** TRANS VALIDATED IN TSS W/TYPE RSAF NOT CICSKEY TYPE= PROBLEM DESCRIPTION: CTS 5.3 under TSS, CJ** transactions were not being validated under CICS but were getting routed directly to the SAF interface. SYMPTOMS: IMPACT: HIGH CIRCUMVENTION: PRODUCT(S) AFFECTED: CAIENF CICS Interface Release 14.1 CA TSS RELEASE 15.0 CA TSS RELEASE 16.0</p> <p>PROBLEM RESOLUTION: Apply PTF with SMP/E Deploy CAW0LOAD and refresh LLA if necessary. If running with the CICSREL parameter in ENF, issue the following console command, ENF REFRESH(CAS9C70). If running with a CENFLIB DD, recycle the CICS region or issue the following console command, ENF CICS(REFRESH,jobname). Related Problem: ENFCIC 516 Copyright (C) 2017 CA. All rights reserved. R00454-AW0141-SP1</p> <p>DESC(CJ** TRANS VALIDATED IN TSS W/TYPE RSAF NOT CICSKEY TYPE=). ++VER (Z038) FMID (CAW3E10) PRE (RO75580) SUP (RO93553 TR93553 TR95271)</p>

CA Common Services 14.1
CA RS 1706 - PTF RO95554 Details

Service	Details
RO95554	<p>RO95554 M.C.S. ENTRIES = ++PTF (RO95554)</p> <p>IMOD FOUR BYTE CONSOLE SUPPORT</p> <p>PROBLEM DESCRIPTION:</p> <p>The IMOD_CONSOLE variable does not always have the 4 byte console ID.</p> <p>New GREXX variable IMOD_XCNID should be used instead of IMOD_CONSOLE. However IMOD_CONSOLE will remain available.</p> <p>New GREXX variable IMOD_XCART has the Command And Response Token value if the task issuing the command supplied the value. Even if the IMOD_XCART value is all binary zeros, the IMOD_XCART variable will be created and available for use.</p> <p>New GREXX variable IMOD_XCNNM has the Console Name.</p> <p>The MLWTO() GREXX function now accepts an optional 6th parameter where the CART value can be specified.</p> <p>The WTO() GREXX function now accepts an optional 5th parameter where the CART value can be specified.</p> <p>The WTOR() GREXX function now accepts an optional 5th parameter where the CART value can be specified.</p> <p>The CART value passed to the MLWTO(), WTO() and WTOR() functions can be either 8 characters ASIS or 16 hex characters. For example:</p> <pre>CART = 'A ' CART = 'C1404040404040'</pre> <p>Here is sample code using IMOD_XCNID and IMOD_XCART:</p> <pre>queue "Hello World" x = mlwto(,,5,imod_xcnid,,imod_xcart)</pre> <p>SYMPTOMS:</p> <p>WTOs are not routed to the correct console</p> <p>IMPACT:</p> <p>Messages may not be seen</p> <p>CIRCUMVENTION:</p> <p>None</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA-Global Subsystem for MVS Release 14.0</p> <p>Related Problem:</p> <p>GSMVS 170</p> <p>Copyright (C) 2017 CA. All rights reserved. R00038-BYS140-SP1</p> <p>DESC(IMOD FOUR BYTE CONSOLE SUPPORT).</p> <pre>++VER (Z038) FMID (C BYSE00) PRE (RO46688 RO67470 RO80766) SUP (TR95554) ++HOLD (RO95554) SYSTEM FMID(C BYSE00) REASON (DOC) DATE (17118) COMMENT (+-----+ CA-Global Subsystem for MVS Release 14.0 +-----+ ***** * PUBLICATION * ***** CA Common Services Administration Guide Predefined Variables imod_xcart Contains the Command And Response Token when the command triggering the IMOD was issued. The value can be all binary zeros if the issuer did not specify a CART value. imod_xcnid Contains the 4 byte console ID of the console responsible for triggering this IMOD. The value is a positive integer. It is zero if the IMOD was not triggered by an operator command. Note: Use imod_xcnid instead of imod_console.</pre>

CA Common Services 14.1
CA RS 1706 - PTF RO95554 Details

Service	Details
	<pre>imod_xcnm Contains the name of the console responsible for triggering this IMOD. ----- CA Common Services Reference Guide msgid = MLWTO(stem. , rout , desc , cons , area , cart) cart Optional: Command And Response Token value. Can be either 8 bytes used ASIS or 16 hex EBCDIC characters. msgid = WTO(text, rout , desc , cons , cart) cart Optional: Command And Response Token value. Can be either 8 bytes used ASIS or 16 hex EBCDIC characters. msgid = WTOR(text, rout , desc , cons , cart) cart Optional: Command And Response Token value. Can be either 8 bytes used ASIS or 16 hex EBCDIC characters.).</pre>

Service	Details
	<pre> //* //* Allocate if CAW0ZFS1 ZFS does not already exist. //* //* Instructions: //* (1) Change "CAIX" to the HLQ of the ZFS dataset that //* will hold the USS based CCS files. //* (2) Set STORCLAS to the SMS storage class that will be used //* or if an SMS volume will not be used swap in //* VOLUMES(vvvvvv) for STORCLAS and set the volume to the same //* volume as &TGTVOL. //* //*===== //* //DEFINEZ EXEC PGM=IDCAMS //SYSPRINT DD SYSOUT=* //SYSUDUMP DD SYSOUT=* //AMSDUMP DD SYSOUT=* //SYSIN DD * /* DELETE CAIX.CAW0ZFS1 CLUSTER */ /* SET MAXCC=0 */ DEFINE CLUSTER (- NAME(CAIX.CAW0ZFS1) - STORCLAS(xxxxxxxxx) - LINEAR CYL(50 10) - SHAREOPTIONS(3,3) -) /* //* VOLUMES(vvvvvv) //* // SET CAI=CAIX //*-----* //* Format the zFS aggregate //*-----* //* //* //FMISO EXEC PGM=IOEAGFMT,REGION=0M, // PARM=('-aggregate &CAI..CAW0ZFS1 -compat -perms o775') //SYSPRINT DD SYSOUT=* //STDOUT DD SYSOUT=* //STDERR DD SYSOUT=* //SYSUDUMP DD SYSOUT=* //CEEDUMP DD SYSOUT=* //* ***** * "Mount CCS File System" JCL * ***** //*===== //* //* Job to Mount CCS Target File System //* //* Run this job to create necessary USS subdirectories and //* mount the CCS target file system. //* //* Instructions: //* (1) Change "/cai/CASoftware" in two places to the high level //* directory name of where new CCS directories will be //* created and used to mount the CCS file system. //* (2) Change "CAIX" to the HLQ of the CCS file system ZFS dataset //* //*===== //* //* // SET SWORKDIR='/cai/CASoftware' General CA Directory //* Must already exist //***** //*-----* </pre>

CA Common Services 14.1
CA RS 1706 - PTF RO95587 Details

Service	Details
	<pre> //* CREATE INSTALL DIRECTORY FOR CCS * //*-----* //***** //*-----* //* CREATE "CCS" subdirectory for Common Services * //* NOTE - This step may not be necessary if another CCS component * //* install has already created this directory * //*-----* //CR8DIR1 EXEC PGM=BPXBATCH,REGION=0M, // PARM='SH umask 0000; cd &SWORKDIR; mkdir -p -m 775 ./CCS' /* //***** //*-----* //* CREATE mount point directory for CCS uss components * //*-----* //CR8DIR2 EXEC PGM=BPXBATCH,REGION=0M, // PARM='SH umask 0000; cd &SWORKDIR/CCS; mkdir -p -m 775 ./uss' /* //*-----* //* Mount CCS File System * //*-----* //CAW0ZFS1 EXEC PGM=IKJEFT01,REGION=4096K,DYNAMNBR=50 //SYSTSPRT DD SYSOUT=* //SYSTSOUT DD SYSOUT=* //SYSTSIN DD * MOUNT FILESYSTEM('CAIX.CAW0ZFS1') + TYPE(ZFS) MODE(RDWR) + PARM('AGGRGROW') + MOUNTPOINT('/cai/CASoftware/CCS/uss') /* //*-----* //* CREATE install directory for CCS uss component files * //*-----* //CR8DIR3 EXEC PGM=BPXBATCH,REGION=0M, // PARM='SH umask 0000; cd &SWORKDIR/CCS/uss; mkdir -p -m 775 ./CA' /* // ***** * DDDEF JCL * ***** //JOBNAME JOB (ACCT INFO),'JOB DESC',CLASS=X, // MSGCLASS=X,NOTIFY=&SYSUID,LINES=9999,TIME=1440 //***** //* //* This JCL contains statements that you define so that you can * //* allocate and create the product SMP/E environment * //* where this software will be installed. * //* //* This JCL must be submitted before performing the SMP/E APPLY. * //* //* Change the following references in the JCL to the standards * //* for your site. * //* //* Change the JOB card information above. * //* //* Change all occurrences of GLOBALHLQ * //* to the HLQ for the SMPE CSI where you installed the * //* Common Services Base. * //* //* Change all occurrences of PRODHLQ * //* to the HLQ where you installed the Common services base. * //* //* Change all occurrences of VOLINFO * //* by using either the VOLUME or SMS information in the following* //* format: * //* MGMTCLAS=XXXXXXX,STORCLAS=XXXXXXX,DATACLAS=XXXXXXX * </pre>

CA Common Services 14.1
 CA RS 1706 - PTF RO95587 Details

Service	Details
	<pre> //* VOL=SER=XXXXXX,UNIT=YYYYYY * //* * //* Change all occurrences of ZNCAIT0 * //* to the Target Zone name in the CA Common Services CSI. * //* * //* Change all occurrences of ZNCAID0 * //* to the Distribution Zone name in the Common Services CSI.* //* * //* Change all occurrences of "/cai/CASoftware" * //* to the high level directory name of where the CCS directories * //* were created. * //* * //***** //* Copyright (C) 2016 CA. All Rights Reserved. * //***** //*-----+ //* DALLOC - Allocate Distribution Library //*-----+ //DALLOC EXEC PGM=IEFBR14 //* //AAW0ZFS1 DD DSN=PRODHQ.AAW0ZFS1, // DISP=(NEW,CATLG,DELETE), // DCB=(LRECL=6140,BLKSIZE=6144,RECFM=VB,DSORG=PO), // VOLINFO, // SPACE=(CYL,(20,10,20)) //*-----+ //* INITCSI - Add DDDEFs to SMP/E Zones //*-----+ //INITCSI EXEC PGM=GIMSMP,REGION=0M, // PARM='CSI=GLOBALHLQ.CSI,DATE=U' //SMPOUT DD SYSOUT=* //SMRPT DD SYSOUT=* //SMPLOG DD DISP=SHR,DSN=GLOBALHLQ.SMPLOG //SMPLOGA DD DISP=SHR,DSN=GLOBALHLQ.SMPLOGA //SMPPTS DD DISP=SHR,DSN=GLOBALHLQ.SMPPTS //SMPCNTL DD * SET BOUNDARY(ZNCAIT0). UCLIN. ADD DDDEF(AAW0ZFS1) SHR DA(PRODHQ.AAW0ZFS1) . ADD DDDEF(CAW0ZFS1) PATH('/cai/CASoftware/CCS/uss/CA/') ENDUCL. SET BOUNDARY(ZNCAID0). UCLIN. ADD DDDEF(AAW0ZFS1) SHR DA(PRODHQ.AAW0ZFS1) . ADD DDDEF(CAW0ZFS1) PATH('/cai/CASoftware/CCS/uss/CA/') ENDUCL. /*). </pre>

CA Common Services 14.1
CA RS 1706 - PTF RO95631 Details

Service	Details
RO95631	<p>RO95631 M.C.S. ENTRIES = ++PTF (RO95631)</p> <p>S0C4-38 ABEND IN CAVDCSET</p> <p>PROBLEM DESCRIPTION: During the execution of CA-Varsrv console command XCFTIMEOUT a S0C4-38 abend can occur in module CAVDCSET.</p> <p>SYMPTOMS: Abend and dump.</p> <p>IMPACT: Command is not processed as expected</p> <p>CIRCUMVENTION: None.</p> <p>PROBLEM RESOLUTION: Deploy updated CAW0LINK, refresh LLA, and restart the CAVARSRV address space.</p> <p>PRODUCT(S) AFFECTED: COMMON VARIABLE SERVICE Release 14.1</p> <p>Related Problem: VARSRV 13</p> <p>Copyright (C) 2017 CA. All rights reserved. R00013-FA9141-SP1</p> <p>DESC(S0C4-38 ABEND IN CAVDCSET). ++VER (Z038) FMID (CFA9E10) SUP (TR95631)</p>

CA Common Services 14.1
CA RS 1706 - PTF RO96072 Details

Service	Details
RO96072	<p>RO96072 M.C.S. ENTRIES = ++PTF (RO96072)</p> <p>DELIVER DATA MOVER POST-GA UPDATES</p> <p>PROBLEM DESCRIPTION:</p> <p>When critical tasks that are running in the Data Mover address space terminate unexpectedly or abnormally, the Data Mover address space might remain active in an unusable state.</p> <p>If Data Mover is started before OMVS becomes active, it will hang for an extended period before terminating.</p> <p>Some messages contained misspelled words.</p> <p>Internal CA product APIs to the Data Mover services required updates.</p> <p>SYMPTOMS:</p> <p>The Data Mover address space is unable to provide data to the Message Service after one of the critical tasks that are running in the Data Mover address space terminates unexpectedly, abnormally, or both.</p> <p>The Data Mover hangs while OMVS is unavailable, then eventually terminates.</p> <p>IMPACT:</p> <p>Data is unable to flow through the Data Mover address space to external consumers of the data.</p> <p>CIRCUMVENTION:</p> <p>Shut down and restart the Data Mover address space manually to restart the critical tasks.</p> <p>Start or restart OMVS, then attempt to restart Data Mover.</p> <p>PROBLEM RESOLUTION:</p> <p>After applying this fix to your system,</p> <ol style="list-style-type: none"> 1. The Data Mover will initialize only when OMVS is active. 2. The Data Mover address space registers with OMVS as a shutdown blocker. <p>As a shutdown blocker, the shutdown of OMVS is delayed until the Data Mover address space terminates.</p> <p>Shutting down OMVS will automatically initiate the shutdown of the Data Mover address space.</p> <p>The address space must be manually restarted after OMVS has been restarted.</p> <p>To apply this fix to your system:</p> <p>Stop Data Mover.</p> <p>Deploy updated CAW0LINK, refresh LLA if necessary and issue command: SETPROG LPA,ADD,MODNAME=ZDMVLPA,DSNAME=LNKLST,FIXED,PAGEPROTALL</p> <p>Start Data Mover.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CCS Message Service</p> <p>Related Problem:</p> <p>CCSMS1 5</p> <p>Copyright (C) 2017 CA. All rights reserved. R00037-J2Z141-SP1</p> <p>DESC(DELIVER DATA MOVER POST-GA UPDATES).</p> <p>++VER (Z038)</p> <p>FMID (CFGBE10)</p> <p>PRE (RO92374)</p> <p>SUP (TR94464 TR96072)</p>

CA Common Services 14.1
CA RS 1706 Product/Component Listing

Product Family	Product	Release
Common Services	CCS APACHE ACTIVEMQ	14.01.00
	CCS APACHE TOMCAT	14.01.00
	CCS DATA COLLECTOR SERVICE	14.01.00
	CCS JAVA TO Z/OS SERVICE	14.01.00
	CCS MESSAGE SERVICE	14.01.00
	CCS SUPPLEMENTAL SERVICES	14.01.00
	COMMON SERVICES	14.01.00
	COMMON SERVICES	14.00.00
The CA RS 1706 Product/Component Count for this release is 8		

CA Common Services 14.1
All CA RS Levels Service List

CA RS Level	Service	FMID
CAR1706	R096072	CFGBE10
	R095631	CFA9E10
	R095587	CAS9E10
	R095554	CBYSE00
	R095271	CAW3E10
	R094761	CAW4E10
	R093791	CEG1E10
CAR1705	R094922	CFF6E10
	R094596	CAW4E10
	R094531	CFGBE10
	R094430	CFGBE10
CAR1704	R095195	CAS9E10
	R095015	CAS9E10
	R094936	CEI0E10
	R094935	CAS9E10
	R094128	CAW4E10
	R094074	CEI0E10
	R093688	CAW3E10
	R093293	CAS9E10
	R092852	CAW4E10
	R091686	CAW4E10
	R091389	CAW4E10
CAR1703	R094690	CBUJE00
	R093985	CBYSE00
	R093553	CAW3E10
	R092981	CFA9E10
	R090853	CAS9E10
CAR1702	R093715	CBUJE00
	R093334	CAW1E10
	R092559	CAW3E10
	R091834	CAW3E10
	R081979	CEI0E10
CAR1701	R093725	CBUJE00
	R093537	CAS9E10
	R093330	CBUJE00
	R092985	CFF5E10
	R092964	CAW1E10
	R092926	CAS9E10
	R092793	CAS9E10
CAR1612	R090331	CAW4E10
	R092910	CAW1E10
	R092860	CFF6E10
	R092374	CFGBE10
	R092295	CFF6E10
	R091642	CAW4E10
	R091550	CEF5E10
	R091353	CFGBE10
	R088408	CAW5E10
	R085319	CEG1E10
CAR1611	R090795	CAW4E10
	R090694	CAS9E10
	R090383	CAW4E10
	R090326	CAW4E10
	R090141	CAW1E10
R090105	CAS9E10	

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All CA RS Levels Service List

CA RS Level	Service	FMID
	R088001	CAS9E10
	R083483	CAW1E10
CAR1610	R092036	CBUJE00
	R091948	CAS9E10
	R089838	CEI0E10
	R085315	CAW4E10
	R085314	CAW1E10
	R085313	CAS9E10
CAR1608	R089869	CAS9E10
CAR1606	R088543	CAW1E10
	R088417	CEI0E10
CAR1605	R087227	CBYSE00
CAR1604	R088063	CAW1E10
	R088062	CAW5E10
	R086292	CAS9E10
	R084241	CAW5E10
	R078799	CAS9E10
CAR1603	R088019	CAS9E10
	R085819	CAS9E10
CAR1602	R081391	CBYSE00
CAR1601	R086503	CAW1E10
	R086410	CBUJE00
	R075580	CAW3E10
CAR1512	R086407	CAS9E10
CAR1511	R084174	CEI0E10
	R084011	CEI0E10
	R083798	CEI0E10
	R083767	CAS9E10
	R083543	CFA9E10
	R083040	CAW4E10
	R082883	CAW4E10
	R082475	CETN600
	R081461	CEI0E10
	R076239	CETN600
	R076103	CETN600
CAR1510	R084173	CAW4E10
	R083616	CAW5E10
	R081984	CAS9E10
	R081887	CAW1E10
	R080854	CAW4E10
	R075784	CEF5E10
CAR1509	R082853	CAS9E10
	R081111	CAW4E10
	R079640	CAS9E10
CAR1508	R082611	CAS9E10
	R082404	CAW5E10
	R082009	CEI0E10
	R081869	CBUJE00
	R081077	CEI0E10
	R080830	CEI0E10
	R079113	CAW3E10
CAR1507	R079932	CAW4E10
	R078483	CAS9E10
CAR1506	R080766	CBYSE00
	R080176	CAS9E10

CA Common Services 14.1
All CA RS Levels Service List

CA RS Level	Service	FMID
	RO79503	CEF5E10
	RO77309	CAS9E10
CAR1505	RO79406	CAS9E10
	RO78952	CBYSE00
	RO77749	CAW4E10
	RO77249	CAW3E10
	RO75087	CAW1E10
	RO75083	CAS9E10
	RO72433	CAW3E10
	RO72432	CAW3E10
	RO67470	CBYSE00
CAR1504	RO79758	CEI0E10
	RO79147	CBUJE00
	RO78314	CEI0E10
	RO78180	CEI0E10
	RO75660	CEI0E10
	RO72683	CFA9E10
CAR1503	RO78090	CBUJE00
	RO77244	CDYFE10
	RO75978	CAW4E10
	RO74389	CAW4E10
	RO66074	CDYFE10
CAR1501	RO75822	CEI0E10
	RO75727	CEI0E10
	RO75470	CEF5E10
	RO75167	CAW5E10
	RO73799	CAW4E10
	RO70933	CBUJE00
CAR1412	RO76102	CETN500
	RO74427	CD0E350
	RO74426	CXE6100
	RO74424	CDU4E00
	RO74423	CASR710
	RO74422	CAF3E00
	RO74413	CAW1E10
	RO74094	CETN500
	RO73698	CEI0E10
CAR1411	RO75043	CAW4E10
	RO74676	CEI0E10
	RO74658	CAW4E10
	RO74032	CAW3E10
	RO73636	CAS9E10
	RO73428	CAS9E10
	RO72876	CAW3E10
	RO72751	CAW1E10
	RO71647	CEF5E10
	RO70962	CAS9E10
CAR1410	RO73883	CBUJE00
	RO73190	CEI0E10
	RO73118	CEI0E10
	RO73116	CEI0E10
	RO72853	CEI0E10
	RO72075	CAS9E10
	RO71715	CAW4E10
CAR1409	RO72289	CAW4E10

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CA RS Level	Service	FMID
	RO72278	CD5IB30
	RO71762	CEI0E10
	RO71747	CAW4E10
	RO71460	CAS9E10
	RO70629	CEI0E10
	RO70447	CEI0E10
	RO70186	CAS9E10
CAR1408	RO71856	CETN500
	RO71341	CD5IB30
	RO71174	CEI0E10
CAR1407	RO70721	CEI0E10
	RO70672	CEI0E10
	RO70605	CAW1E10
	RO69615	CAW1E10
	RO69383	CAW1E10
	RO69320	CAS9E10
	RO64919	CAW3E10
CAR1406	RO69371	CETN500
	RO69205	CAS9E10
	RO68902	CEI0E10
CAR1405	RO69475	CD5IB30
	RO68673	CAS9E10
	RO68158	CEI0E10
	RO67888	CAW1E10
	RO67457	CETN500
	RO66990	CAW4E10
	RO65223	CAW4E10
CAR1404	RO67918	CAS9E10
	RO67368	CAS9E10
	RO67257	CEI0E10
	RO66447	CAW3E10
	RO66175	CAW3E10
	RO65568	CAW4E10
	RO65350	CAS9E10
	RO65251	CCQ9E10
	RO64055	CEI0E10
	RO63657	CETN500
	RO62778	CEI0E10
	RO62650	CAS9E10
	RO56986	CETN500
CAR1403	RO65915	CBUJE00
	RO64952	CAS9E10
	RO64367	CEI0E10
	RO63570	CAW4E10
	RO63405	CAW1E10
	RO63076	CETN500
	RO63046	CAW4E10
	RO60306	CAW4E10
	RO57094	CAW5E10
CAR1401	RO64943	CAW4E10
CAR1312	RO64763	CAW3E10
	RO62971	CEI0E10
	RO62474	CAS9E10
	RO62233	CAS9E10
	RO62145	CAS9E10

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CA RS Level	Service	FMID
	RO61842	CAS9E10
	RO61716	CD0E350
	RO61696	CEF5E10
	RO61541	CCQ9E10
	RO61526	CAW4E10
	RO61453	CD5IB30
	RO61452	CD5IB30
	RO61451	CD5IB30
	RO61450	CD5IB31
	RO61290	CAW4E10
	RO61232	CAW3E10
	RO61121	CAW3E10
	RO60954	CAW1E10
	RO60949	CAW1E10
	RO60935	CEI0E10
	RO60680	CAS9E10
	RO60429	CAS9E10
	RO60196	CAW4E10
	RO59395	CAW1E10
	RO59342	CCQ9E10
	RO58801	CAW3E10
	RO58298	CAS9E10
CAR1311	RO59887	CAW3E10
CAR1310	RO62370	CAW1E10
	RO61734	CEI0E10
	RO60299	CBUJE00
	RO59525	CEI0E10
CAR1309	RO61814	CBUJE00
	RO60478	CAS9E10
	RO59803	CAW4E10
	RO59727	CAW4E10
	RO59470	CEI0E10
	RO59406	CAS9E10
	RO58930	CAS9E10
	RO58668	CEI0E10
	RO58615	CAW4E10
	RO58428	CAW4E10
	RO58379	CAS9E10
	RO58026	CEI0E10
	RO58013	CAW1E10
	RO57742	CAS9E10
	RO57695	CAW1E10
	RO57463	CEI0E10
	RO57403	CAW4E10
	RO57237	CEI0E10
	RO57236	CAS9E10
	RO57149	CAW4E10
	RO56527	CAW1E10
	RO56056	CAS9E10
	RO55351	CAW5E10
	RO55225	CAW1E10
	RO54853	CAS9E10
	RO53692	CAW3E10
	RO53565	CEF5E10
CAR1308	RO60364	CAS9E10

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CA RS Level	Service	FMID
	RO59409	CAW4E10
	RO58619	CAS9E10
	RO57969	CAS9E10
CAR1307	RO60266	CCF3E00
	RO60265	CB6DB30
	RO60261	CB6DB30
CAR1306	RO58216	CAS9E10
	RO56123	CEI0E10
	RO55947	CAW4E10
	RO55938	CAW1E10
	RO55493	CAW1E10
	RO55429	CAW3E10
	RO55410	CAW3E10
	RO55364	CAW4E10
	RO55208	CAS9E10
	RO54780	CEI0E10
	RO54779	CAW1E10
	RO54778	CAS9E10
	RO54635	CAS9E10
	RO54599	CAW4E10
	RO54563	CBYSE00
	RO54318	CAW4E10
	RO54215	CAF3E00
	RO54141	CAS9E10
	RO54035	CAW4E10
	RO54002	CAW3E11
	RO54001	CAW3E10
	RO53596	CETN500
	RO53585	CAW1E10
	RO53266	CBYSE00
	RO53108	CAS9E10
	RO52997	CEI0E10
	RO52802	CBUJE00
	RO52753	CEF5E10
	RO52623	CEI0E10
	RO52401	CAW4E10
	RO52020	CETN500
	RO51814	CAW4E10
	RO51642	CAW5E10
	RO51589	CAW4E10
	RO51366	CEF5E10
	RO49339	CETN500
CAR1305	RO58002	CETN500
	RO57370	CAS9E10
	RO56477	CAW3E10
	RO56330	CETN500
	RO56323	CAW3E10
	RO55640	CAS9E10
	RO54517	CAS9E10
	RO54509	CCQ9E10
	RO54508	CAW3E10
	RO54507	CAW1E10
	RO54506	CAS9E10
	RO54077	CAW1E10
CAR1304	RO56295	CEI0E10

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CA RS Level	Service	FMID
	R053746	CEI0E10
CAR1303	R053583	CAW4E10
	R053270	CAW3E10
	R052193	CAW1E10
	R051973	CETN500
	R051768	CD5IB30
	R051661	CEI0E10
	R051558	CAW3E10
	R051254	CBYSE00
	R051159	CAW1E10
	R051042	CD5IB30
	R051041	CD5IB30
	R050738	CDYFE10
	R050512	CCQ9E10
	R050494	CAW1E10
	R050365	CAW1E10
	RO49797	CAS9E10
	RO49720	CAW4E10
	RO49384	CAS9E10
	RO49374	CAS9E10
	RO49269	CAW3E10
	RO48962	CAS9E10
	RO48533	CAW3E10
	RO48501	CAW3E10
	RO47718	CAS9E10
	RO47662	CAW1E10
	RO47065	CAW5E10
	RO47057	CAW5E10
	RO47054	CAW1E10
	RO47006	CAW4E10
	RO47000	CAW4E10
CAR1302	R054378	CAW3E10
	R053926	CEI0E10
	R053900	CAS9E10
	R053837	CAW3E10
	R053808	CEI0E10
	R052583	CEI0E10
	R052582	CEF5E10
	R052581	CAS9E10
	R052307	CEI0E10
	R051070	CAS9E10
	RO49140	CEI0E10
	RO48666	CEI0E10
	RO47640	CEI0E10
CAR1212	R050858	CXE6100
	R050855	CASR710
	R050852	CDU4E00
	R050849	CAF3E00
	RO49580	CEF5E10
	RO49438	CBYSE00
	RO49259	CBUJE00
	RO49032	CEI0E10
	RO48863	CAW4E10
	RO48454	CAW3E10
	RO48245	CAW1E10

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CA RS Level	Service	FMID
	RO48204	CETN500
	RO48154	CAW1E10
	RO47865	CAW1E10
	RO47765	CETN500
	RO47743	CAW1E10
	RO47728	CXE6100
	RO47707	CAS9E10
	RO47667	CAW1E10
	RO47666	CDU4E00
	RO47625	CASR710
	RO47591	CBYSE00
	RO47590	CBYSE00
	RO47516	CAF3E00
	RO47509	CEI0E10
	RO47492	CBUJE00
	RO47458	CEI0E10
	RO47457	CEF5E10
	RO47329	CAS9E10
	RO47324	CCQ9E10
	RO47322	CCQ9E10
	RO47280	CAW1E10
	RO47158	CEI0E10
	RO47131	CAS9E10
	RO47076	CEI0E10
	RO47053	CAW4E10
	RO47041	CAW4E10
CAR1210	RO48650	CEI0E10
	RO48287	CCQ9E10
	RO47104	CBYSE00
	RO46688	CBYSE00
	RO46458	CD0E350
	RO46317	CEI0E10
	RO46172	CBYSE00
	RO46170	CBYSE00
	RO46159	CD5IB30
	RO46101	CAW1E10
	RO45565	CCF9E00
	RO45564	CBYSE00
	RO45502	CCF3E00
	RO45372	CBYSE00
	RO45206	CD0E350
	RO45021	CD5IB30
	RO44455	CCF3E00
	RO44367	CCF9E00
	RO44309	CD0E350
	RO44289	CBYSE00
CAR1207	RO43136	CBYSE00
	RO42823	CBYSE00
	RO39025	CBYSE00
CAR1204	RO36985	CD5IB30
	RO35679	CCF9E00
CAR1201	ZXE6108	CXE6100
	RO34514	CBUJE00
	RO34310	CBYSE00
	RO34162	CXE6100

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CA RS Level	Service	FMID
	RO32753	CBUJE00
	RO32319	CD5IB31
	RO32316	CB6DB30
	RO31910	CB6DB30
	RO31903	CDU4E00
	RO31779	CBYSE00
	RO31650	CBUJE00
	RO31058	CBYSE00
	RO29788	CBYSE00
	RO29065	CBYSE00
	RO28425	CBYSE00
	RO27053	CCF9E00
	RO26162	CBYSE00
	RO25737	CXE6100
	RO20913	CXE6100
	Q095030	CXE6100
CAR1010	Q089740	CXE6100
	Q083915	CXE6100