

CA Datacom/DB 15.1
CA RS 2004 Service List

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Service	Description	Type
S011348	SOC4 DBSRPPR CSECT STMTPRP +004408	PTF
S011629	SQL TRANSLATE SCALAR FUNCTION ENHANCEMENT	PTF
S011975	ENHANCEMENT: VALIDATION SITE TESTING OF ONLINE_INDEX_FORMAT2	PTF
S012048	MUF S401 ABEND DURING RESTART	PTF
S012165	FORWARD RECOVERY ISSUES WITH MOVED ROWS	*HIP/PRP*
S012202	-SET NTF0 NOT WORKING AS INTENDED	PTF
The CA RS 2004 service count for this release is 6		

CA Datacom/DB
CA RS 2004 Service List for CAADF10

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FMID	Service	Description	Type
CAADF10	S012202	-SET NTF0 NOT WORKING AS INTENDED	PTF
The CA RS 2004 service count for this FMID is 1			

CA Datacom/DB
CA RS 2004 Service List for CABDF10

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FMID	Service	Description	Type
CABDF10	S011975	ENHANCEMENT: VALIDATION SITE TESTING OF ONLINE_INDEX_FORMAT2	PTF
	S012048	MUF S401 ABEND DURING RESTART	PTF
	S012165	FORWARD RECOVERY ISSUES WITH MOVED ROWS	*HIP/PRP*
The CA RS 2004 service count for this FMID is 3			

CA Datacom/DB
CA RS 2004 Service List for CAVEF10

FMID	Service	Description	Type
CAVEF10	S011348	SOC4 DBSRPPR CSECT STMTPRP +004408	PTF
	S011629	SQL TRANSLATE SCALAR FUNCTION ENHANCEMENT	PTF
The CA RS 2004 service count for this FMID is 2			

Service	Details
SO11348	SO11348 M.C.S. ENTRIES = ++PTF (SO11348) SOC4 DBSRPPR CSECT STMTPRP +004408 PROBLEM DESCRIPTION: In the rare condition when preparing a CURSOR while there is an OPEN CURSOR, the Datacom Multi-User Facility (MUF) ABENDS with a SOC4. SYMPTOMS: MUF ABENDS with SOC4. IMPACT: MUF ABENDS with SOC4. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom SQL Release 15.0 CA Datacom SQL Release 15.1 Related Problem: SQL 2205 Copyright (C) 2020 CA. All rights reserved. R00667-DCM151-SP2 DESC(SOC4 DBSRPPR CSECT STMTPRP +004408). ++VER (Z038) FMID (CAVEF10) PRE (R090826 R092064 S000890 S001886 S006238 S006402 S007544 S009551) SUP (AR92064 AS01886 EC92212 R096118 S000902 S004015 ST00902 ST04015 ST11348 TR92901 TR96118)

Service	Details
SO11629	SO11629 M.C.S. ENTRIES = ++PTF (SO11629) The following items are included in this solution: 1. SQL TRANSLATE SCALAR FUNCTION ENHANCEMENT 2. INCORRECT LENGTH FROM CONCAT OPERATOR AND VARCHAR 3. ALLOW PREDICATES WITH EXPRESSIONS TO RESTRICT INDEX SCAN 4. INVALID RESULTS FOR LOCATE_IN_STRING WITH NEGATIVE START 5. DATA SHIFTED WITH SPECIAL GROUP BY LEFT JOIN OPTIMIZATION 6. RC89 WITH MANY PREPARED DYNAMIC STATEMENTS IN AN LUW 7. SOC4 ABEND DBSRPPR STMTRELO+0020B ===== SQL TRANSLATE SCALAR FUNCTION ENHANCEMENT ENHANCEMENT DESCRIPTION: This enhancement adds the TRANSLATE scalar function, which returns a string in which one or more characters from the source string may have been converted to other characters. The generic format is: TRANSLATE(source-string, to-string, from-string, pad) Example: TRANSLATE('MONDAY', 'SUNDAY', 'MONDAY') Resulting string is 'SUNDAY' PRODUCT(S) AFFECTED: CA Datacom SQL Release 15.1 Related Problem: SQL 2191 ===== INCORRECT LENGTH FROM CONCAT OPERATOR AND VARCHAR PROBLEM DESCRIPTION: When concatenating strings and one is a VARCHAR, the precision of the result is being set to the length of the resulting string instead of the sum of the precision of the operands. This can cause problems with certain scalar functions that use the maximum possible length for the current VARCHAR variable. For example, SUBSTR pads the source string with blanks if a length is specified that goes beyond the length of the string but not the VARCHAR field's maximum length. SYMPTOMS: Scalar functions that have a string resulting from concatenation with a VARCHAR get erroneous SQL return codes. IMPACT: Erroneous SQL return codes could be returned. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom SQL Release 15.1 CA Datacom SQL Release 15.0 Related Problem: SQL 2199 ===== ALLOW PREDICATES WITH EXPRESSIONS TO RESTRICT INDEX SCAN ENHANCEMENT DESCRIPTION: With a few exceptions, predicates with expressions were not passed to the Compound Boolean Facility (CBS) because CBS does not evaluate expressions, and the expression could include a reference to a column of the table. This enhancement adds logic to detect which predicate operands do not reference the table being accessed, evaluate those predicates, and then

Service	Details
	supply the result value in the Request Qualification Area (RQA) passed to CBS. Example 1: <pre>SELECT * FROM T1 INNER JOIN T2 WHERE SUBSTR(T1.DATE_1, 5, 2) = T2.DATE_MONTH;</pre> The substring function will now be evaluated and pass the result in the RQA to CBS. If T2.DATE_MONTH is in an index, this will reduce/eliminate index and data scanning. Example 2: <pre>SELECT * FROM T1 INNER JOIN T2 WHERE UPPER(T1.NAME) = T2.NAME OR T2.CITY = 'DALLAS';</pre> Although T2.CITY = 'DALLAS' has no expression, it is under the OR with UPPER(T1.NAME) = T2.NAME which is not passed to CBS. So neither expression was passed to CBS. Now both predicates are passed to CBS. PRODUCT(S) AFFECTED: CA Datacom SQL Release 15.1 Related Problem: SQL 2196 ===== INVALID RESULTS FOR LOCATE_IN_STRING WITH NEGATIVE START PROBLEM DESCRIPTION: When using LOCATE_IN_STRING function with START being less than -1, the starting position in the SOURCE string would actually be one character to the right. This could cause invalid results if the SEARCH characters are located at that position. SYMPTOMS: Invalid results may be returned. IMPACT: Invalid results may be returned. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom SQL Release 15.1 Related Problem: SQL 2204 ===== DATA SHIFTED WITH SPECIAL GROUP BY LEFT JOIN OPTIMIZATION PROBLEM DESCRIPTION: When a predicate in the WHERE clause references a column in the right table of a LEFT JOIN, the join is converted to an INNER JOIN because any unmatched row set to null values will be rejected by the predicate. Converting to an INNER JOIN allows the row to be rejected sooner, and avoid unnecessary overhead. However, when there is a GROUP BY column referencing this right-side table, it is referencing the column as nullable, which it would be if it was still a LEFT JOIN. So the data is shifted one byte to the right when the column is defined as not nullable, and was converted to nullable for the left join. If the column is DECIMAL or NUMERIC, this will cause SQLCODE -161 to be issued. SYMPTOMS: Either the data is shifted one byte (per such column) to the right, or

Service	Details
	SQLCODE -161 is issued. IMPACT: Either the query retrieves incorrect values, or cannot be executed. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom SQL Release 15.1 Related Problem: SQL 2203 ===== RC89 WITH MANY PREPARED DYNAMIC STATEMENTS IN AN LUW PROBLEM DESCRIPTION: Each time a cursor is prepared using Dynamic SQL, some memory is used for the SELECT list processing, which can change with a different SQLDA. This memory is freed when the Logical Unit of Work (LUW) ends. If millions of cursors are processed in the same LUW, the Multi-User Facility (MUF) memory can be exhausted. This fix frees this memory when the cursor is closed to avoid this problem. SYMPTOMS: Return code 89, SQLCODE -10, unpredictable errors or MUF ABEND may occur when MUF memory is exhausted. IMPACT: MUF may abend, and usually before that, SQL statements may not be able to be executed. CIRCUMVENTION: Issue a COMMIT WORK every few times the cursor is opened. PRODUCT(S) AFFECTED: CA Datacom SQL Release 15.1 Related Problem: SQL 2208 ===== SOC4 ABEND DBSRPPR STMTRELO+0020B PROBLEM DESCRIPTION: The Multi-User Facility (MUF) abnormally terminates due to an increase in length of the cursor name generated by CA Datacom Server. The statement is stored in the Source Cache with a shorter cursor name length, and later the cursor name is updated with a longer name that overlays an address. SYMPTOMS: The MUF abnormally terminates with SOC4 in module DBSRPPR CSECT STMTRELO+0020B. IMPACT: A MUF outage occurs. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom SQL Release 15.0 CA Datacom SQL Release 15.1 Related Problem: SQL 2188 Copyright (C) 2020 CA. All rights reserved. R00677-DCM151-SP2 DESC (SQL TRANSLATE SCALAR FUNCTION ENHANCEMENT). ++VER (Z038) FMID (CAVEF10)

Service	Details
	<pre> PRE (RO90216 RO90826 RO90854 RO92064 S000890 S001886 S004034 S004197 S004243 S005343 S005935 S006396 S007468 S007544 S008017 S008336 S008452 S008801 S009437 S009551 S010328 S010335 S011192 S011326) SUP (AR90216 AR90826 AS05190 AS06174 AS07544 BS01886 DC92212 R088550 R089521 R089842 R090155 R091930 R092282 R093613 R093821 R094696 R095609 R095978 R097131 R099168 R099964 R099972 S000956 S004003 S004927 S005190 S005243 S005352 S006174 S006750 S006999 S009994 S010380 ST00956 ST04003 ST04927 ST05190 ST05209 ST05243 ST05352 ST06174 ST06750 ST06999 ST08489 ST09801 ST09994 ST10151 ST10304 ST10380 ST10423 ST10601 ST10729 ST10743 ST11195 ST11629 TR88208 TR88392 TR88550 TR89521 TR89842 TR90155 TR90605 TR91930 TR92282 TR93613 TR93821 TR94696 TR95609 TR95978 TR97131 TR99168 TR99964 TR99972) ++HOLD (S011629) SYSTEM FMID(CAVEF10) REASON (DOC) DATE (20080) COMMENT (+-----+ CA Datacom SQL Release 15.1 +-----+ ***** * PUBLICATION * ***** INFORMATION ON THE TRANSLATE FUNCTION CAN BE FOUND ON THE SCALAR FUNCTIONS PAGE ON THE DATACOM CORE 15.1 TECHDOCS: https://techdocs.broadcom.com/content/broadcom/techdocs/us/en/ca-mainfra me-software/database-management/ca-datacom/15-1/reference/sql-reference/ sql-functions/scalar-functions.html).</pre>

Service	Details
SO11975	SO11975 M.C.S. ENTRIES = ++PTF (SO11975) ENHANCEMENT: VALIDATION SITE TESTING OF ONLINE_INDEX_FORMAT2 ENHANCEMENT DESCRIPTION: This product enhancement delivers code changes based on feedback from the early validation testing of ONLINE_INDEX_FORMAT2. PRODUCT(S) AFFECTED: CA Datacom/DB Release 15.1 Related Problem: DB 5636 Copyright (C) 2020 CA. All rights reserved. R00687-DCM151-SP2 DESC (ENHANCEMENT: VALIDATION SITE TESTING OF ONLINE_INDEX_FORMAT2). ++VER (Z038) FMID (CABDF10) PRE (R088469 R088863 R090486 R090903 R091015 R091404 R091632 R092259 R092858 R093251 R093647 R094095 R095548 R095667 R096053 R096260 R096499 R096852 R097082 R097209 R097382 R097757 R097818 R098059 R098348 R098604 R099171 R099675 R099902 S000074 S000436 S001215 S001597 S003799 S003941 S004298 S004565 S004931 S005882 S006133 S006365 S006692 S006748 S006815 S007233 S007496 S007835 S007900 S008622 S009367 S009474 S010109 S010748 S011247 S011479 S011906) SUP (AS06692 OC90081 R089559 R091587 R091630 R092441 R095833 R096568 R097343 R099067 S001226 S005131 S005617 S007113 S007202 S007320 S008590 S008749 S009219 S010720 S011501 S011678 ST01226 ST05131 ST05617 ST07113 ST07202 ST07320 ST08590 ST08749 ST09219 ST10720 ST11501 ST11678 ST11975 TR89559 TR91587 TR91630 TR92441 TR95833 TR96568 TR97343 TR99067)

Service	Details
SO12048	SO12048 M.C.S. ENTRIES = ++PTF (SO12048) MUF S401 ABEND DURING RESTART PROBLEM DESCRIPTION: The CA Datacom/DB Multi-User Facility (MUF) can abend with code S401. This can occur if all the following conditions are true: 1. The MUF must do a true RESTART after an abnormal end of the previous MUF. 2. An OPEN error is encountered during RESTART processing. 3. The MUF is running in SRB mode, which is the norm. Even under the above circumstances the abend is the result of a timing window and will not always occur. SYMPTOMS: MUF abends with a S401 in module DBMUFPR at or near offset X'36A8'. IMPACT: MUF does not successfully restart. CIRCUMVENTION: Since this is a timing case, simply restarting the MUF again may be successful. If not, and if at all possible, address the cause of the OPEN error. If this cannot be done, bring the MUF up in TCB mode so that restart can run, after which the MUF can be cycled back to SRB mode. PRODUCT(S) AFFECTED: CA Datacom/DB Release 15.1 Related Problem: DB 5637 Copyright (C) 2020 CA. All rights reserved. R00688-DCM151-SP2 DESC(MUF S401 ABEND DURING RESTART). ++VER (Z038) FMID (CABDF10) PRE (R088530 R090486 R091015 R091404 R092858 R093647 R094095 R096300 R098683 R099738 S001215 S003853 S004931 S007233 S010748) SUP (S009494 ST09340 ST09494 ST12048)

Service	Details
SO12165	SO12165 M.C.S. ENTRIES = ++PTF (SO12165) FORWARD RECOVERY ISSUES WITH MOVED ROWS PROBLEM DESCRIPTION: An execution of CA Datacom/DB Forward Recovery may encounter errors processing an UPDAT or DELET command, such as a database return code 12(045) (special deleted record). This can occur when both the following conditions are met: 1) There has been an update to a row in a compressed table that caused the compressed image of the row to no longer fit in its current data block, so that the row was moved to a different block. 2) Following the maintenance which moved the row, the same row is subsequently updated or deleted. Forward recovery will not find the row to forward fit this subsequent maintenance. Note: The report produced when Recovery is run denotes a moved row with a character 'M' in the "RM" column. If the above error is encountered while running RECOVERY with UPDATE=YES specified or defaulted, the DBUTLTY will fail with a U0004. SYMPTOMS: Execution of Forward Recovery produces one of the following two messages when it should not, and does not correctly apply the corresponding maintenance for a moved row: DB13002W - DATA AT REQUIRED LOCATION DOES NOT MATCH RECOVERY IMAGE DB13001E - UNEXPECTED RETURN CODE 12 (45) ATTEMPT TO ACCESS A DELETED RECORD IMPACT: Under the circumstances described above, data integrity is compromised. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom/DB Version 15.0 CA Datacom/DB Release 15.1 Related Problem: DB 5640 Copyright (C) 2020 CA. All rights reserved. R00689-DCM151-SP2 DESC(FORWARD RECOVERY ISSUES WITH MOVED ROWS). ++VER (Z038) FMID (CABDF10) PRE (R092858 R097700 S004559 S008300) SUP (R093616 S006404 S007480 S008602 ST06404 ST07480 ST08602 ST12165 TC90081 TR93616)

Service	Details	
SO12202	SO12202 M.C.S. ENTRIES = ++PTF (SO12202)	
	-SET NTF0 NOT WORKING AS INTENDED	
	PROBLEM DESCRIPTION:	
	A diagnostic tool for setting the return code when a 'Not Found' (NTF) condition is encountered, -SET NTF0, is not returning the desired return code in some instances.	
	SYMPTOMS:	
	A RC=8 is returned when using -SET NTF0.	
	IMPACT:	
	Minimal. The use of -SET NTF0 is used for diagnostic purposes, or when a NTF condition is expected and ignoring it is desired.	
	CIRCUMVENTION:	
	None.	
	PRODUCT(S) AFFECTED:	
	CA Datacom Datadictionary	Version 15.0
	CA Datacom Datadictionary	Release 15.1
	Related Problem:	
	DD 2204	
	Copyright (C) 2020 CA. All rights reserved. R00691-DCM151-SP2	
	DESC(-SET NTF0 NOT WORKING AS INTENDED).	
	++VER (Z038)	
	FMID (CAADF10)	
	PRE (R091196 SO11692)	
	SUP (ST12202)	
	MCS	SO11348 STARTS ON PAGE 0002
	MCS	SO11629 STARTS ON PAGE 0002
	MCS	SO11975 STARTS ON PAGE 0008
	MCS	SO12048 STARTS ON PAGE 0009
	MCS	SO12165 STARTS ON PAGE 0010
	MCS	SO12202 STARTS ON PAGE 0011

CA Datacom/DB 15.1
CA RS 2004 Product/Component Listing

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Product Family	Product	Release
Database	CA DATACOM DATADictionary	15.01.00
	CA DATACOM FAST RESTORE	15.01.00
	CA DATACOM METACOBOL SUPPORT	15.01.00
	CA DATACOM PRESSPACK	15.01.00
	CA DATACOM SQL	15.01.00
	CA DATACOM/DB	15.01.00
	CA DATAQUERY FOR CA DATACOM	15.01.00
The CA RS 2004 Product/Component Count for this release is 7		

CA RS Level	Service	FMID
CAR2004	S012202	CAADF10
	S012165	CABDF10
	S012048	CABDF10
	S011975	CABDF10
	S011629	CAVEF10
	S011348	CAVEF10
CAR2003	S011932	CABDF10
	S011906	CABDF10
	S011692	CAADF10
	S011678	CABDF10
	S010586	CAVEF10
CAR2002	S011673	CABDF10
	S011571	CABDF10
	S011562	CABDF10
	S011501	CABDF10
	S011479	CABDF10
	S011436	CABDF10
	S011435	CABDF10
	S011403	CABDF10
	S011331	CABDF10
	S011326	CAVEF10
	S011247	CABDF10
	S011223	CAVEF10
	S011192	CAVEF10
	S010960	CAVEF10
	S010870	CABDF10
	S010702	CAVEF10
CAR2001	S011278	CABDF10
	S011244	CABDF10
	S010748	CABDF10
	S010720	CABDF10
	S010697	CABDF10
CAR1912	S010776	CABDF10
	S010727	CABDF10
	S010624	CABDF10
	S010580	CABDF10
	S010571	CABDF10
	S010439	CABDF10
	S009551	CAVEF10
	S008336	CAVEF10
CAR1911	S010617	CABDF10
	S010523	CAADF10
	S010519	CABDF10
	S010467	CAVEF10
	S010466	CAADF10
	S010462	CAADF10
	S010416	CABDF10

CA RS Level	Service	FMID
	S010395	CABDF10
	S010380	CAVEF10
	S010373	CABDF10
	S010335	CAVEF10
	S010328	CAVEF10
	S010261	CABDF10
	S010095	CABDF10
	S010082	CABDF10
	S009994	CAVEF10
	S009683	CABDF10
	S009437	CAVEF10
	S009190	CAVEF10
CAR1910	S010109	CABDF10
	S009919	CAADF10
	S009835	CABDF10
	S009814	CAVEF10
	S009679	CABDF10
	S009494	CABDF10
	S009474	CABDF10
CAR1909	S009749	CAADF10
	S009682	CABDF10
	S009648	CABDF10
	S009610	CABDF10
	S009543	CABDF10
	S009510	CABDF10
	S009479	CABDF10
	S009464	CABDF10
	S009367	CABDF10
	S009270	CABDF10
	S008758	CAVEF10
CAR1908	S009219	CABDF10
	S009151	CABDF10
	S009143	CABDF10
	S008933	CAVEF10
	S008913	CAADF10
	S008889	CAVEF10
	S008801	CAVEF10
	S008749	CABDF10
	S008622	CABDF10
	S008452	CAVEF10
	S008294	CABDF10
CAR1907	S009034	CABDF10
	S008926	CABDF10
	S008775	CABDF10
	S008697	CABDF10
	S008685	CABDF10
	S008602	CABDF10

CA Datacom/DB 15.1
All CA RS Levels Service List

CA RS Level	Service	FMID
	S008590	CABDF10
	S008488	CABDF10
	S008444	CABDF10
	S008394	CABDF10
	S008374	CAVEF10
	S008017	CAVEF10
CAR1906	S008545	CAADF10
	S008500	CABDF10
	S008300	CABDF10
	S008181	CABDF10
	S008120	CABDF10
	S008032	CABDF10
	S007557	CAVEF10
	S007544	CAVEF10
CAR1905	S008152	CABDF10
	S007948	CABDF10
	S007923	CABDF10
	S007900	CABDF10
	S007846	CABDF10
	S007835	CABDF10
	S007524	CABDF10
	S007519	CABDF10
CAR1904	S007786	CABDF10
	S007735	CAADF10
	S007733	CABDF10
	S007572	CAADF10
	S007564	CAADF10
	S007530	CABDF10
	S007496	CABDF10
	S007480	CABDF10
	S007468	CAVEF10
	S007461	CAVEF10
	S007425	CABDF10
	S007405	CABDF10
	S007233	CABDF10
	S007166	CABDF10
	S007008	CABDF10
	S006957	CABDF10
CAR1903	S007320	CABDF10
	S007262	CABDF10
	S007258	CABDF10
	S007234	CABDF10
	S007219	CABDF10
	S007202	CABDF10
	S007190	CABDF10
	S007141	CABDF10
	S007055	CABDF10

CA RS Level	Service	FMID
	S007039	CABDF10
	S007034	CABDF10
	S006999	CAVEF10
	S006945	CABDF10
	S006922	CAVEF10
	S006846	CAVEF10
	S006768	CABDF10
	S006750	CAVEF10
	S006748	CABDF10
	S004529	CAADF10
CAR1902	S007113	CABDF10
	S006840	CABDF10
	S006815	CABDF10
	S006692	CABDF10
	S006613	CABDF10
	S006547	CABDF10
	S006404	CABDF10
CAR1901	S006715	CABDF10
	S006676	CABDF10
	S006626	CAVEF10
	S006551	CABDF10
	S006519	CABDF10
	S006473	CAVEF10
	S006440	CAVEF10
	S006422	CABDF10
	S006412	CAVEF10
	S006402	CAVEF10
	S006401	CABDF10
	S006396	CAVEF10
	S006387	CAVEF10
	S006366	CABDF10
	S006365	CABDF10
	S006238	CAVEF10
	S006153	CADQF10
CAR1812	S006314	CABDF10
	S006231	CAVEF10
	S006217	CABDF10
	S006174	CAVEF10
	S006133	CABDF10
	S005985	CAADF10
	S005964	CABDF10
	S005962	CABDF10
	S005935	CAVEF10
	S005882	CABDF10
	S005562	CAVEF10
CAR1811	S005864	CABDF10
	S005778	CABDF10

CA RS Level	Service	FMID
	S005738	CABDF10
	S005708	CABDF10
	S005665	CABDF10
	S005617	CABDF10
	S005600	CAVEF10
	S005597	CABDF10
	S005583	CABDF10
	S005492	CABDF10
	S005423	CABDF10
	S005417	CAVEF10
	S005404	CABDF10
	S005360	CABDF10
	S005352	CAVEF10
	S005300	CAVEF10
	S005278	CABDF10
CAR1810	S005596	CABDF10
	S005383	CABDF10
	S005361	CABDF10
	S005343	CAVEF10
	S005301	CABDF10
	S005243	CAVEF10
	S005239	CABDF10
	S005221	CABDF10
	S005210	CAVEF10
	S005206	CABDF10
	S005190	CAVEF10
	S005131	CABDF10
	S004938	CABDF10
	S004931	CABDF10
	S004867	CAVEF10
	S004565	CABDF10
CAR1809	S005129	CABDF10
	S004997	CABDF10
	S004978	CABDF10
	S004969	CAVEF10
	S004927	CAVEF10
	S004889	CAVEF10
	S004849	CAVEF10
	S004783	CABDF10
	S004745	CABDF10
	S004559	CABDF10
	S004538	CABDF10
	S004526	CABDF11
	S004485	CAADF10
	S004040	CABDF11
	S003799	CABDF10
	S003704	CABDF10

CA Datacom/DB 15.1
All CA RS Levels Service List

CA RS Level	Service	FMID
CAR1808	S003692	CABDF10
	S004357	CAVEF10
	S004298	CABDF10
	S004243	CAVEF10
	S004197	CAVEF10
	S004157	CAADF10
	S004152	CAVEF10
	S004151	CABDF10
	S004095	CABDF10
	S004057	CABDF10
	S003985	CABDF10
	S003866	CABDF10
	S003827	CABDF10
	S001837	CABDF10
CAR1807	S004096	CABDF10
	S004045	CAVEF10
	S004034	CAVEF10
	S004015	CAVEF10
	S004003	CAVEF10
	S003941	CABDF10
	S003895	CAVEF10
	S003879	CABDF10
	S003853	CABDF10
	S003825	CABDF10
	S003791	CAVEF10
	S003770	CABDF10
	S003683	CAVEF10
	S001886	CAVEF10
	S001804	CABDF10
CAR1806	S001888	CABDF10
	S001724	CABDF10
	S001708	CABDF10
	S001597	CABDF10
	S001569	CABDF10
	S001512	CAVEF10
	S001439	CABDF10
	S001350	CAVEF10
	S001277	CABDF10
	S001215	CABDF10
	S000956	CAVEF10
	S000902	CAVEF10
	S000890	CAVEF10
	S000167	CABDF10
CAR1805	S001443	CABDF10
	S001390	CABDF10
	S001230	CABDF10
	S001226	CABDF10

CA RS Level	Service	FMID
	S001212	CABDF10
	S001184	CABDF10
	S000426	CAVEF10
CAR1804	S000922	CABDF10
	S000822	CAADF15
	S000629	CABDF10
	S000599	CABDF11
	S000369	CABDF11
	S000074	CABDF10
	S000007	CABDF10
	R099997	CABDF10
	R099171	CABDF10
CAR1803	S000657	CABDF10
	S000595	CABDF10
	S000475	CABDF10
	S000436	CABDF10
	S000315	CABDF10
CAR1802	S000035	CABDF10
	R099972	CAVEF10
	R099969	CAVEF10
	R099964	CAVEF10
	R099902	CABDF10
	R099886	CABDF10
	R099738	CABDF10
	R099737	CABDF10
	R099516	CABDF10
	R099067	CABDF10
CAR1801	R099675	CABDF10
	R099532	CABDF10
	R099390	CABDF10
	R099352	CABDF10
	R099100	CABDF10
	R098976	CABDF11
	R098873	CABDF11
	R097375	CABDF11
	R096916	CABDF11
CAR1712	R099168	CAVEF10
	R099051	CAVEF10
	R099046	CADQF10
	R099007	CAVEF10
	R098973	CABDF10
	R098926	CABDF10
	R098879	CABDF10
	R098846	CABDF10
	R098800	CABDF10
	R098737	CABDF10
	R098604	CABDF10

CA RS Level	Service	FMID
	R098085	CABDF10
CAR1711	R098683	CABDF10
	R098636	CAADF10
	R098593	CABDF10
	R098521	CAVEF10
	R098427	CABDF11
	R098426	CABDF10
	R098417	CABDF10
	R098393	CABDF10
	R098364	CABDF10
	R098348	CABDF10
	R098249	CABDF10
	R098231	CAADF10
	R098220	CABDF10
	R098142	CABDF10
	R098059	CABDF10
CAR1710	R098204	CAADF10
	R098170	CAADF10
	R098086	CABDF10
	R097972	CABDF10
	R097932	CABDF10
	R097893	CABDF10
	R097868	CAADF10
	R097818	CABDF10
	R097757	CABDF10
	R097743	CABDF10
	R097729	CABDF10
	R097723	CABDF10
	R097700	CABDF10
	R097674	CABDF10
	R097607	CAADF10
CAR1709	R097677	CABDF10
	R097639	CABDF10
	R097626	CABDF10
	R097526	CABDF10
	R097493	CAADF10
	R097490	CABDF10
	R097460	CAADF10
	R097416	CABDF10
	R097392	CABDF10
	R097386	CAADF10
	R097382	CABDF10
	R097343	CABDF10
	R097329	CABDF10
	R097238	CABDF10
	R097236	CAVEF10
	R097225	CAVEF10

CA RS Level	Service	FMID
	R097209	CABDF10
	R097131	CAVEF10
	R097126	CAVEF10
	R096797	CAVEF10
	R096118	CAVEF10
	R095978	CAVEF10
CAR1708	R097082	CABDF10
	R096949	CAADF10
	R096852	CABDF10
	R096824	CABDF10
	R096821	CABDF10
	R096806	CABDF10
	R096769	CABDF10
	R096719	CABDF10
	R096617	CABDF10
	R096370	CABDF10
CAR1707	R096568	CABDF10
	R096537	CAADF10
	R096499	CABDF10
	R096447	CABDF10
	R096440	CABDF10
	R096426	CABDF10
	R096420	CABDF10
	R096403	CABDF10
	R096260	CABDF10
	R096191	CABDF10
	R095487	CAADF10
	R095386	CADQF10
CAR1706	R096346	CAADF10
	R096313	CABDF10
	R096312	CABDF10
	R096304	CAADF10
	R096300	CABDF10
	R096257	CAADF10
	R096252	CABDF10
	R096213	CABDF10
	R096204	CABDF10
	R096133	CABDF10
	R096053	CABDF10
	R095915	CABDF10
	R095833	CABDF10
	R095761	CABDF10
	R095719	CABDF10
	R095676	CABDF10
	R095600	CABDF10
	R095564	CABDF10
	R095097	CAADF10

CA RS Level	Service	FMID
	R094902	CABDF10
CAR1705	R095737	CAVEF10
	R095667	CABDF10
	R095621	CADQF10
	R095609	CAVEF10
	R095548	CABDF10
	R095352	CAVEF10
	R095305	CABDF10
	R095277	CABDF10
	R095235	CAVEF10
	R095037	CABDF10
	R094176	CABDF10
CAR1704	R095080	CABDF10
	R094912	CABDF10
	R094907	CABDF10
	R094783	CABDF10
	R094696	CAVEF10
	R094632	CABDF10
CAR1703	R094327	CABDF11
	R094324	CAVEF10
	R094280	CABDF10
	R094247	CAVEF10
	R093821	CAVEF10
	R093677	CAVEF10
	R093613	CAVEF10
	R090834	CADQF10
CAR1702	R094177	CADQF10
	R094095	CABDF10
	R094090	CABDF10
	R094085	CABDF10
	R094001	CABDF10
	R094000	CABDF10
	R093647	CABDF10
	R093616	CABDF10
	R093587	CABDF10
	R093585	CABDF10
	R093148	CABDF11
CAR1701	R093666	CAVEF10
	R093560	CAVEF10
	R093454	CABDF10
	R093450	CABDF10
	R093436	CABDF10
	R093373	CAADF10
	R093324	CAVEF10
	R093251	CABDF10
	R093201	CABDF10
	R093127	CABDF10

CA RS Level	Service	FMID
	R093092	CABDF10
	R093061	CABDF11
	R092954	CABDF10
	R092896	CAADF15
	R092891	CADQF10
	R092864	CAVEF10
	R092858	CABDF10
	R092736	CAADF10
	R092600	CABDF10
	R092507	CAADF10
	R092441	CABDF10
	R092436	CABDF10
	R092398	CABDF10
	R092282	CAVEF10
	R092277	CABDF10
	R092259	CABDF10
	R092243	CABDF10
	R092173	CAVEF10
	R092064	CAVEF10
	R092016	CABDF11
	R092009	CAVEF10
	R091992	CAVEF10
	R091930	CAVEF10
	R091845	CABDF10
	R091732	CABDF10
	R091719	CAADF10
	R091648	CABDF10
	R091632	CABDF10
	R091631	CABDF10
	R091630	CABDF10
	R091587	CABDF10
	R091515	CABDF10
	R091427	CABDF10
	R091404	CABDF10
	R091394	CABDF10
	R091352	CABDF10
	R091254	CABDF10
	R091226	CAVEF10
	R091196	CAADF10
	R091185	CAADF10
	R091180	CABDF10
	R091166	CABDF10
	R091165	CABDF10
	R091141	CABDF10
	R091115	CAVEF10
	R091079	CABDF10
	R091015	CABDF10

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CA RS Level	Service	FMID
	R090950	CAADF10
	R090903	CABDF10
	R090854	CAVEF10
	R090838	CAADF10
	R090826	CAVEF10
	R090821	CABDF10
	R090729	CAADF10
	R090586	CABDF10
	R090535	CABDF10
	R090486	CABDF10
	R090397	CABDF10
	R090276	CABDF10
	R090216	CAVEF10
	R090197	CABDF10
	R090182	CABDF10
	R090179	CABDF10
	R090156	CAVEF10
	R090155	CAVEF10
	R090075	CABDF10
	R090074	CAADF10
	R090065	CABDF10
	R090044	CAVEF10
	R089842	CAVEF10
	R089839	CAVEF10
	R089666	CABDF10
	R089559	CABDF10
	R089521	CAVEF10
	R089520	CAVEF10
	R088863	CABDF10
	R088617	CAVEF10
	R088611	CAVEF10
	R088550	CAVEF10
	R088530	CABDF10
	R088480	CAVEF10
	R088479	CAVEF10
	R088475	CAVEF10
	R088469	CABDF10