

G18 - Released SW versions control

SW versions

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Introduction

This document is going to list all changes between each software version. Each item includes also a short explanation of the change.

Upgrading SW:

g18 can be upgraded with newer versions of SW without any problems.

Warning!!!

Downgrading SW:

E6.11.xx and higher software has different EPROM map.

g18 units that has SW version E6.11.xx, E6.12.xx and E6.13.xx may be re-flashed with previous versions of E6.11.xx, E6.12.xx and E6.13.xx without any problems

g18 units that has SW version E6.11.xx, E6.12.xx and E6.13.xx, **can not be re-flashed with software versions E6.02.xx-E6.10.xx**. Attempting to do so will brick the unit (will not operate any more)

Software/Sales Models

Software releases that shipped are below, the remaining releases were for testing only:

SW Version	SVN	Model numbers (x in model number X= A, B.... per table below)			
		SE2836xF5yy (SLIM)	SE2837xF5yy (DIN w/GPS)	SE2838xF5yy (DIN)	Remarks yy is last digits in model #
E6.02.10		A and B	A and B	A and B	yy all models
E6.11.23		C	C	C	yy all models
E6.13.27		D	D	D	yy all models
E6.14.28	44	E	E and F	E	yy all models
E6.16.38	45	F	Skipped	F	yy all models
E6.16.45	51	G	G	G	yy all models
E6.16.50	55	H	H	H	yy all models except Z6 (NA)
E6.16.51	56	J	J	J	yy all models
E6.16.53	59	K	K	K	yy all models
E6.16.54	60	L	L	L	yy all models
E6.16.55	61	Planned for M	Planned for M	Planned for M	Planned for yy all models

Note the sales model version is for the standard OEM sales models

Software/sloader Version

Shipped SW Version	sloader Version
E6.02.10	DE.00.02
E6.11.23	DE.00.03
E6.13.27	DE.01.08
E6.14.28	DE.01.09
E6.16.38	DE.01.09
E6.16.45	DE.01.09
E6.16.50	DE.01.09
E6.16.51	DE.01.09
E6.16.53	DE.01.09
E6.16.54	DE.01.09
E6.16.55	DE.01.09

"Chinese" Software versions below do not support sloader

- E6.56.38
- E6.56.39
- E6.56.46

E6.02.10 to E6.04.16

<i>AT Commands & RS232</i>		
1	<i>CSGce95472</i>	<u>AT+CGMR (New):</u> Differentiate the NAD type of TCG products with flex byte. +CGMR will give +CGMR="g18_vE6.04.xx.00" for g18 +CGMR="cp211_vE6.04.xx.00" for CP211.
2	<i>LIBaa10369</i>	<u>AT+CRSM (New):</u> AT+CRSM=176,242 (SEEM_ICC_ID) is allowed even if SIM PIN is required. This is especially important for telematics systems that need to identify the SIM card in order to selectively enable/disable services bound to a specific SIM card.
3	<i>LIBaa09868</i>	<u>AT+CMSS (New):</u> This AT command will send a SMS message that was previously stored (AT+CMGW)
4	<i>LIB09778</i>	<u>AT+MMGA (New):</u> This set command can be used to change the specific message attribute from received-unread to received-read and vice-versa.
5	<i>LIB09757</i>	<u>AT+MMGR (New):</u> This new AT command will return the SMS Message list without changing the message status from unread to read. This is especially useful when interfacing to MOST bus based telematics products. Apart from the message attribute it can be used just like +CMGR.
6	<i>LIB09757</i>	<u>AT+MMGL (New):</u> This new AT command will return the SMS Message list without changing the message status from unread to read. Apart from the message attribute it can be used just like +CMGL.
7	<i>LIB09882</i>	<u>AT+CMGL, AT+MMGL (New):</u> Add message status to AT+CMGL and AT+MMGL. Now either all SMS messages can be listed using AT+MMGL, or only those messages with a matching value of the read-flag using AT+MMGL=0 or AT+MMGL=1.
8	<i>LIB10915</i>	<u>SMS storage:</u> There are two ways to fill up the SMS storage: either by receiving SMS messages, or by writing to the SMS storage using AT+CMGW. The SMS storage full indication was not indicated when the SIM is full due to +CMGW commands. This problem is solved in the current software version.
9	<i>LIB10914</i>	<u>Escape character equals 255 (New):</u> When Escape character equal 255 (ats2=255), escape characters are ignored while being in data transfer mode.
10	<i>LIB10973</i>	<u>SIM card:</u>

		If external SIM is inserted while an internal SIM is present the mobile stays in "searching state". This problem is solved.
11	<i>LIB10979</i>	<u>SIM PIN:</u> When SIM PIN is not required, a +CPIN="xxxx" is treated as change pin code to unknown one. This problem is solved.
12	<i>LIB10759</i>	<u>Data call:</u> Abort data call after power up using abort key while in exercise mode.
13	<i>LIB10760</i>	<u>AT+CMEE=n:</u> Decode +cmee=n properly: previous software version accepted any value for the parameter n, now the value-range is restricted to 0, 1, and 2.

E6.04.16 to E6.06.18.01

1	<i>LIBaa11044</i>	<u>"@" Character:</u> because the GSM character set encodes the character '@' as 00 hex, previous software releases could not display this character, the whole string appeared to be truncated instead. From this release onwards, the strings will not be truncated any more. This bug fix affects the following commands: <ul style="list-style-type: none"> • ATD<INDEX • ATD<STRING • AT+CPBR • AT+CPBW • AT+CLCC • AT+CCWA • AT+CNUM.
2	<i>LIBaa05040</i>	<u>Fax:</u> Support FAX calls between Fax machine and g18/cp211.
3	<i>LIBaa09200</i>	<u>Fax (+CLCC):</u> Support CLCC mode indication for fax call.
4	<i>LIBaa11121</i>	<u>Fax (+CCWA):</u> Support CCWA class indication for fax call.
5	<i>LIBaa11180</i>	<u>Handset (+CLIR):</u> Handset setup for Calling line identification restriction will override AT+CLIR command setting.
6	<i>LIBaa11194</i>	<u>Auto baud (RS232):</u>

		Auto-baud detection mode in g18, will be initiated on power up, after AT+CBAUD=9, and when DTR changes mode from LOW to HIGH. Once baud rate detected, g18 will continue working in the same baud rate until another AT+CBAUD=9 or changing DTR from LOW to High.
7	LIBaa11319	<u>DCD line (GPRS):</u> Change DCD behavior as follows: GPRS termination behavior: g18/cp211 does not respond to +++ or ATH while GPRS session is in deactivation process. DCD will be turned off when GPRS session is ended. Hang-up process may take about 10 seconds when modem is idle, and more when modem was just in transmitting process. Hang-up process may take about 50 seconds when it is not in coverage.
SW Upgrade to T260 baseline		
8	LIBaa11336	<u>Update core software:</u> Catch up with sangam_vAF.8F.DD core software baseline. Handling the PBCCH issue.
Misc		
9	LIBaa11252	Fix of: Remove/reinsert SIM card, phone does not recognize SIM inserted.
10		New - AT command to enable/disable side tone - ATS94
11	LIBaa11506	Supply "Busy" indication on voice calls when the network sends such an indication. (it was working only for data calls).

E6.06.18.01 to E6.06.19

<i>AT Commands & RS232</i>		
1	LIBaa11635	<u>AT+CBST (Fix):</u> AT+CBST , supported values: 4800, 9600 (V32, V110) AT+CSCA, error returned for unacceptable dial digital.
2	LIBaa11242	<u>AT+CRSM , AT_CSQ(New Parameters):</u> AT+CRSM, add new elements in the supported list: 1 - Flex-ID, 2 - Factory Info #1, 3 - Factory Info #2 AT+CSQ, add BER information as the second parameter, per GSM 07.07
3	LIBaa11587	<u>ATS94 (new)</u> Enhancement, where ATS94 will effect immediately.
4	CSGce96453	<u>AT+MCELL (New):</u> New AT command supplying EFEM information

E6.06.19 to E6.10.20

AT Commands & RS232		
1	LIBaa11491	<u>AT+MFS (New):</u> Set/read EEPROM for Frequency of Search. It is allowed only when SIM card is inserted and PIN is verified.
2	LIBaa11242	<u>AT+CSMP (New):</u> Set/read SIM SM parameters, for Validity period (expiry period number) and Protocol identifier (outgoing message type). It is allowed only when SIM card is inserted and PIN is verified. <u>AT+CSVM (New):</u> Set/read EEPROM Voicemail number (dependent on SIM card type and flex). It is allowed only when SIM card is inserted and PIN is verified.
3	LIBaa11242	<u>AT+CSCA</u> Fix read command after power-up.
4	LIBaa11524	<u>AT+MCELL</u> Fix response for set command: The command: AT+MCELL = <mode>, <screen_num> will return: +MCELL: <screen_num> <screen_info> OK or +CME ERROR: <err>

Misc		
5	LIBaa11723	Handle invalid tone (local & in-band) when the only call made is invalid
7	LIBaa09531	Multiple external PDP context attempts end up BUSY state.
8	LIBaa11567	Periodic network scan may not reselect to higher priority PLMN
9	LIBaa11726	Terminal Equipment to Mobile Station (TE-MS) multiplexer protocol (GSM 07.10 version 7.1.0) implementation (Engineering version)

E6.10.20 to E6.11.20

SW Upgrade to T260 baseline		
1	LIBaa11764	<u>Update core software:</u> Catch up with sangam_vAF.8F.E5 core software baseline.

E6.11.20 to E6.11.21

AT Commands & RS232		
1	LIBaall491	<u>AT+CMSS & AT+MMGA</u> <u>AT+CMGL & AT+MMGL</u> 1. If some of stored SMSs deleted, the other stored SMSs moved to the emptied places, after AT+CMGL command. <u>Correct functionality:</u> The SMSs should move to empty places only after power cycle. 2. New received MT SMSs "moved down" the existing list of stored messages. <u>Correct functionality:</u> The new MT SMS messages must be stored at the end of the stored messages.
2	LIBaall642	IP_SET_RINGER_LEVEL changes the ring level in HF mode only.

E6.11.21 to E6.11.22

Misc		
1	LIBaall833	GPRS - MS TX problem - While the G18 is transferring GPRS data, and there is a request from the network for MS Power change, the G18 does not change the power according to the request. Sometimes the power changes a few times, but then it gets stuck on a certain power level and does not respond to power change requests from the BS

E6.11.22 to E6.11.23

Misc		
1	LIBaall250	Corrected core issue with power off using On/Off line, when unit was turned on with TS line in following scenario: - When turning off with On/Off line, a unit that had been turned on with the TS line, the g18 would not turn off and the unit would reset.

E6.11.23 to E6.11.23.01

AT Commands & RS232		
1	No ID	Fix - delete unwanted message "String too long" after +CIP indication.
2	LIBaall883	New - Add Ring / Voice volume indication to AT+CMER=,,,1 giving +CIEV indications: +CIEV: 0,xx Voice / keypad volume level xx indication. +CIEV: 11,xx Ring volume level xx indication. xx: 00-07
3	LIBaall789	New - AT+MCSAT command, controls SMS Alert Tone (0,1).


4	LIBaall1825	New - Unified handling of emergency call when keypad is locked, for both AT command and handset. To allow dialling emergency call when keypad is locked, flex should be re-configured: element 14 Byte \$48 bit 2 should be set to 1, and element 14 Byte \$77 bit 7 should be set to 1.
5	LIBaall1899	Fix - SMS that was received and stored in SIM, if it is sent outside using +CMSS command, the g18 ends with reset.
6	LIBaall1827	New - AT+CEER returns network release call reason. Starting a call will clear data base. When network releases the call, data base will be updated by reason. Data base will not be updated, if the call is terminated by DTE.

E6.11.23.01 to E6.12.23.04

AT Commands & RS232		
1	LIBaall1916	New - Allow return to non hands free mode in the middle of an analog voice call using ats96=0
2	LIBaall1876	Fix - Unit reset when it sends IP_COPS_CNF with TEST type to DSC bus.
3	LIBaall1953	Fix - Non accurate caller ID displayed on incoming call and on indications, or when displaying phone book, for GSM characters with value less than 32 (decimal). These characters are entered to the phone book by using AT command, and ignored by the unit, as part of V25.Ter, 5.2.2 Command line editing standard. This standard prevents the correct insert into the phone book, and therefore non accurate name is displayed later on. A new AT command AT+MECC=0 prevents the standard check, and allows entry of all characters in the phone book. Indications that were affected are: +CCWA, +CLCC, +CLIP. In addition the @ character had a special treatment to be displayed correctly. AT+MECC format: AT+MECC=0 disable standard checking / do not eliminate GSM characters with value less than 32. AT+MECC=1 enable standard checking (default) AT+MECC? returns current value AT+MECC=? returns +MECC: (0-1)

E6.12.23.04 to E6.12.23.07

AT Commands & RS232		
1	LIBaall2002	New - AT+PT42 command, simulates test mode 42# command. handset screen is affected, registration is started when command is completed.
2	ZIL0100009 980	Fix - when unit is configured with auto-answer, and remote data call is terminated while call is in negotiation phase, next calls did not produce RING indication.

 MOTOROLA	g18 Software Release Notes	Version: Version 3.2 Date: 10/19/04
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3	ZIL0100010 994	Fix - after unsuccessful password change (at+cpwd="sc",x,"xxxx") phone is blocked (PUK1 required), but could not be released until after power cycle.
4	ZIL0100011 575	New - for CP211 unit only - second OK for voice call changed to CONNECT.

E6.12.23.07 to E6.12.23.09

AT Commands & RS232		
1	ZIL0100011 731	Fix - reset occurs after 2 hours of repeated attach/detach GPRS.
2	LIBaa11903	New - CNMI indication for cell broadcast messages is not cleared automatically, when DTE does not respond on time for other SMS indications.
3	No specific ID	New - complete integration to MUX released software.

E6.12.23.09 to E6.12.23.10

AT Commands & RS232		
1	CSGce32668	Fix - SMS/UCS2 was not sent to network as DCS. Update +CSCS to include "UCS2" as a parameter.
2	LIBaa11829	New - allow delete group of SMS messages using AT+CMGD command. The new format is: AT+CMGD=<index> [,<delflag>] where: <index> must be valid value <delflag> is: 0 or omitted - delete message <index> 1 - Delete all messages, except unread / Stored 2 - Delete all messages, except unread / unsent 3 - Delete all messages, except unread 4 - delete all messages For 1-4 above, <index> should be valid number, but a message with this index might non-exist.

E6.12.23.10 to E6.13.23.12

AT Commands & RS232		
1	LIBaa11903	New - cell broadcast handling, new AT command. AT+CSCB = <mode>,<mids>,<dcss> is based on GSM 07.05.
2	LIBaa10761	Update - +CMUX allowed setup is AT+CMUX=0 only.
3	LIBaa12033	New - AT command that controls CTS behavior (g18 only). AT+MSCTS (0,1)
4	No ID	Fixes Cell Reselection Hysteresis issue for two LACs
5	No ID	Fix - Transfer of 10MB in GPRS results in reset after about 5MB or one hour.

E6.13.23.12 to E6.13.24

AT Commands & RS232		
1	No ID	New interface to PC loader.
2	No ID	Fix - Transfer of 10MB in GPRS results in reset after about 5MB or one hour.
3	LIBaal2050	New - the following commands are abort able: +CCWA, +CLCK, +COPS. Abort the command using any key. Command then responds with CME ERROR 33 - "Command Aborted".

E6.13.24 to E6.13.25.02

AT Commands & RS232		
1	LIBaal2002	Fix - +PT42 causes flex damage when cutting power in the middle of execution.
2	LIBaal2033	New - +MSCTS setting is saved beyond power cycle.
3	ZIL0100011 603	Fix - selecting ringer tones (+CRTT) quickly: second selection does not stop the first one. Fix - two rapidly incoming SMS, stop SMS alert until next keypad handling or next ringing.
4	LIBaal1971	Fix - Allow multi call usage in MUX environment.
5	LIBaal1828	New - AT+IPR commands that set and save baud rate. At power up baud rate is restored.
6	LIBaal1825	New - emergency call while keypad is locked does not depends on flex.

E6.13.25.02 to E6.13.26

AT Commands & RS232		
1	LIBaal2070	New - Allow +CMGS in MUX configuration
2	LIBaal2071	New - disable primitive 15xx display in +CIPE=1 configuration.
3	ZIL0100010 876	Fix - AT+CBST cancel in the third parameter options 2 & 3.

E6.13.26 to E6.13.27

AT Commands & RS232		
1	LIBaal2089	Fix - at+cops=? return garbage in MUX mode.
2	LIBaal1829	Fix - at+cmgd = <index>[,<delflag>] fixed behavior on delflag = 2 or 3. before fix delflag=2 or 3 sometimes resulted in all messages deleted, after fix, deletes as specified in GSM standard: delflag=0 or unspecified --> deletes <index> delflag=1 --> delete read messages

	delflag=2 --> delete read + sent messages delflag=3 --> delete read + sent & unsent stored delflag=4 --> delete all messages.
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E6.13.27 to E6.14.27

Software base upgrade		
1	No ID	Update Core Software Incorporate P2K bug fixes on top of sangam_vAF.8F.E8 as listed below
		ZIL0100012319 Supports 2400 bps (FTA 11.1.1)
		LIBbb43699 Send only one modem command pair per frame
		LIBbb21645 Handle additional primitives during a PLMN scan on PBCCH
		LIBbb47029 L1-Bad handling of collision in DRX mode
		LIBbb33007 L1I - ARMI0_TO_LATE REAL TIME ISSUE
		LIBbb35800 L1I- Send L2DPH_READY_IND prim at the end of L1_chanst_channel_state()
		LIBbb23304 A reception of a PSI5 sys info can cancel a PMO
		LIBbb23310 L1 never receives PMO with RESET value for Ext_Meas_Order parameter
		LIBbb44374 A reception of a new SI13 sys info can cancel a PMO
		LIBbb43522 Panic (LAYER1_ERROR,TBF) during FTP download
		LIBbb39671 FT: Ext GPRS PANIC(MODEM_RUN_TIME_BAD_ID) download internet UDP packets
		LIBbb43169 PD when call failed and task is in IDLE_RESEL
		LIBbb43255 Improper power level used when PRACHing to network (FTA related)
		LIBbb27354 Channels in BA list may be not measured if Extended Meas. is active
		LIBbb37968 Add error processing for if Qb count > 4998
		LIBbb39981 L1I - ADD AN ERROR PROCESSING FOR QB COUNT > 4998
		LIBbb29534 Dedicated channel data table update
		LIBbb29545 Truncated FCB in adjacent cell random search FCB
		LIBbb29568 Missing SCH decode in SDCCH mode when FCH is decoded
		LIBbb29567 Merge up remote volume control support for 3G phone
		LIBbb23306 A reselection or a DSF doesn't disable current extended measurements
		LIBbb29548 Padding bits are missing in the NC report
		LIBbb40476 Change the AGC computation on signed 32-bits
		LIBbb16937 SYSTEST - Power Down while browsing GPRS Wap after conference call
		LIBbb26952 Error handling in function l1_task_idle_resele_reestab
		LIBbb36976 Some cells are not reported in NC measurement report at CIG because not sync

E6.13.28 to E6.83.28

AT Commands & RS232		
1	LIBaa12402	New: AT+MREG, different from AT+CREG by new state. <state> 2 in AT+CREG indication splits to <state> 2 and <state> 9 in AT+MREG.

E6.14.27 to E6.14.28

AT Commands & RS232		
1	LIBaa11804	Fix: Sending *#100# (or *#147#) during a call at Vodafone in (USSD) causes a phone lockup and reset
2	LIBaa11812	Fix: Phone cannot establish or receive calls if a cell change occurs while doing a PLMN search.
3	LIBaa10761	Fix: MUX - ATH and ATO have no affect if DTR disconnected (S-register &d=1).
4	LIBaa11971	Fix: MUX GPRS release: - GPRS release during Voice call disconnects Voice call also. - ATH doesn't disconnect RINGS on one of virtual channels when channel is in CSD(PDP) Data mode.
5	LIBaa12134	Fix: MUX - GPRS on the 2-nd virtual channel locks commands on the first one.
6	NoID	Fix: MUX - ATH releases only the first call of MPTY in one of the channels.
7	LIBaa12151	Fix: SMS insert indication (CMSS/CMGW/CMGS) During Voice call initiation sometimes result with a blank line followed by <CR><LF>. This will happened when SMS & voice indications came together, and the voice indication is treated first. The fix involves another issue: when an auto answer feature is turned on (ats0=x, x is a non zero value), and a call is ringing and awaiting for an answer, the call will be establish when number of rings satisfies the number written in S0 register, or later if g18 is busy with an AT command.
8	LIBaa12168	Fix: In the case when SIM doesn't support Fixed Dialing Numbers capability: 1. AT+CLCK="FD",2 return +CLCK: 3,7 (First parameter - 3 is undefined value)A 2. T+CPBS=? return +CPBS: "FD", ...
9	LIBaa12174	New: AT command +CRTT - Add 3 parameters: ring volume level (changes ring level), ring setup (sets the ring level the same as voice level), mute control (mute ring on incoming call).
10	LIBaa12192	Fix: DTMF tone duration and pause between the tones in +CKPD command.
11	NoID	Fix: AT command +CBAUD, occasionally the phone becomes stuck.
12	LIBaa12233	Fix: AT command +CLVL - set/get voice volume level.
13	LIBaa12074	Fix: Allow '+' in the middle of a dial string.
14	LIBaa12002	New: AT+MDES new command, which disables echo canceling (until power cycle) disable. (implement AT+PT42 speedup)

15	NoID	Fix: AT+CLCC (set, and unsolicited indications) works with out SIM, with blocked SIM, when PIN required etc.
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16	LIBaa12216	New: AT+CEER can return string error and now the numeric answer. This value will be held until phone powers off or until it will be changed by this set command.		
		AT+CEER AT+CEER=X AT+CEER? AT+CEER=?	+CEER: <ceer_msg> OK OK +CEER: (001- 002) OK	X = 1 numeric answer X = 2 string type answer (default) <ceer_msg> string and numbers can be found at the developer guide.
17	LIBaa12196	Fix: AT+CMSS send from storage should update SMS attribute from STORED_UNSENT to STORED_SENT. <ul style="list-style-type: none"> - The status "STORED_UNSENT" of stored messages will be changed to "STORED_SENT" when message will be sent by AT+CMSS command or by HS. - The status "STORED_SENT" of stored messages will not be changed. Messages can be sent again by AT+CMSS command or by HS. - The status of received message that will be sent by AT+CMSS command won't be changed but the messages can be sent by AT+CMSS command or by HS. - This behavior is for both Handset and RS232. - Messages that have been sent by AT+CMGS command or by the handset, will not be saved in the SIM memory (as before). - Phone number of destination address will not be saved as part of the STORED_SENT messages. - The STORED_SENT message format is the same as a STORED_UNSENT, only the status field is different. 		
18	NoID	Fix: DTX network control, now will not drop data calls		
19	LIBaa12187	Fix: AT+CSCR returns a correct answer when the current SIM is permanently blocked.		

E6.14.28 to E6.15.28

Software base upgrade			
1	LIBaa12248	Upgrade base line to sangam AF.8F.E9 as listed below:	
		INDma02276	Pulling of P2K PR LIBbb30302 to sangam_vAF.8F.E6
		INDma02281	Back porting P2K CR-LIBbb37964:EGSM w/Hopping Enabled not working.
		INDma02288	Pulling of P2K PRs LIBbb46871 & LIBbb50769 to sangam_vAF.8F.E8
		LIBaa12145	Modify PLMN name to IRL Vodafone for 272-01

		TLSpC09201 TLSpC09203 TLSpC09231 TLSpC09236 TLSpC09276 TLSpC09277 TLSpC09384 TLSpC09705	Back port P2K CRs LIBbb16937, LIBbb26952, LIBbb36976 Back port P2K CR LIBbb40476 Back port P2K CRs LIBbb23306, LIBbb29548 Back port P2K CRs LIBbb29534, LIBbb29545, LIBbb29568, LIBbb29567 Back port P2K CRs LIBbb37968, LIBbb39981 Back port P2K CRs : LIBbb39671, LIBbb43169, LIBbb43255, LIBbb27354 Back port of P2K CR LIBbb43522 Back port P2K CRs LIBbb43699 LIBbb21645 LIBbb47029
2	NO ID	Pull DSP patch: 2614,280c and 2906 Fixed a power down issue observed during long TBF transfer in Australia.	

E6.15.28 to E6.15.29

1	LIBaa12245	Fix - if echo-canceling is set to ON (ATS96=1), when getting MT call, the echo-canceling is OFF (although ats96? returns with 001 = ON), ATS96=1 should be done again.
2	LIBaa12028	New - Support SMS text mode.
3	LIBaa12002	Fix - AT+PT42 implements AT+MDES command, which has been cancelled.
4	ZIL0100014928	Fix - When phone is in ATV0, when changing CBAUD instead of getting a numerical response, the DTE gets a verbal response (OK, ERROR) followed by the number 9.
5	LIBaa12049	New - AT+CUSD (Unstructured supplementary service data) command implementation.
6	LIBaa12272	Fix - +CIEV had too many indications. Now, +CIEV indication will be sent only when there is a change in the indication value.
7	ZIL0100014050	Fix - When more than one voice mail message indication is arrived, there are problems with +CMGL command.
8	ZIL0100014013	Fix - +CMGL in text mode, wrong <today> is reported.
9	ZIL0100014022	Fix - CBM report sent twice.
10	ZIL0100014023	Fix - There is no text mode for CB message.
11	ZIL0100013743	Fix - When sending SMS to g18 from the web, the message can not be sent using +CMSS command.
12	LIBaa12237	NEW - AT+MCSN (change subscriber number) command implementation. This command displays the phone number after PIN is entered.
13	LIBaa12219	Fix - +COPS=? doesn't return with the available networks when there are a lot of preferred networks in the prefer operator list.
14	LIBaa12267	Fix - +COPS - after COPS was aborted next +COPS command returns "error".
15	LIBaa12274	Fix - +COPS - manual selection do same as manual/automatic selection.
16	LIBaa12268	Fix - +CEER - add network cause 68 "ACM equal to or grater than ACMmax"


17	ZIL0100012141	Fix - When dialing number per "alpha" that contains non-standard characters, at the dialing stage and after answering, "alpha" doesn't present on the handset screen.
18	ZIL0100012551	Fix - When "alpha" that contains non-standard characters stored to the phone memory, it wrongly displayed on handset screen in "last ten calls made"
19	LIBaa12216	Fix - +CEER read command returns the current requested answer (numeric or string error message)
20	LIBaa12319	Fix: London ambulance - PDP lockup when there is no coverage to GPRS after several tries of connection.
21	LIBaa12324	Fix: DTMF output clicks in active call state.
22	LIBaa12320	Fix: When ATV0 is on, the numeric response is given right after the SMS indication, without <CR><LF>.
23	LIBaa12321	Fix: - In SMS Text Mode RS232 had extra zero's at the end of the SMS indications. - In SMS PDU mode the SMS indications (cmgl/cmgr) adds 'F's to the PDU SMS when the coding scheme of the SMS is not the default GSM character.
24	ZIL0100014472	Fix: Attempt to define Voicemail number (+CSVM) without digits should be rejected.
25	LIBaa12307	Fix: Pre paid - enable data and fax call with pre-paid SIM card.

E6.15.29 to E6.15.31

1	ZIL0100014300	Fix: Cancel the transparent option for AT+CBST test mode by changing the flex.
2	LIBaa12274	Fix: AT+COPS manual selection of forbidden PLMN, implemented same as manual/automatic selection. An error message will be returned.
3	ZIL0100014525	Fix: AT\$/AT+CLAC command. No <CR><LF> before the first info string.
4	ZIL0100014471	Fix: AT+CLCC, the <type of address> in the query status, always response with '1' instead of 129 / 145.
5	ZIL0100014670	Fix: AT+CMSS command sometimes stuck the RS232.
6	ZIL0100014730	Fix: AT+MCSN command supports AT+MECC=0 (special characters) for display of HS (MY Phone Number(s) Menu) and Terminal (+CNUM)
7	ZIL0100013503	Fix: AT+IPR command does not listed in AT+CLAC/AT\$ commands.
8	LIBaa12344	Fix: +CGPADDR does not return temporary IP.

E6.15.31 to E6.15.32

1	NO ID	Up rev SVN number to 45
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E6.15.32 to E6.15.33

1	ZIL0100014845	Fix bug: Before the fix SMS with <oa> (origination address) longer then 12 digits (6 octets) would cause SMS storage to be overridden. Now <oa> length meets standards 2-12 octets.
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E6.15.33 to E6.15.34

1	LIBaa12388	Fix: SCI priority changes from 4 to 3 in command mode (like sangam).
2	LIBaa12387	Fix: Data call in transparent mode.
3	LIBbb21985	Merge from P2K.
4	LIBaaaint	Catch up with sangam AF.8F.EB

E6.15.34 to E6.16.35

1	NO ID	Catch up with sangam AF.8F.ED
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E6.16.35 to E6.16.36


1	NO ID	Up rev SVN number to 46
2	LIBaa12403	Fix: BW filter changed from 67kHz to 93kHz to avoid drop calls in handover.
3	LIBaa12395	New: output microphone gain depends on flex value.
4	LIBaa12402	New: AT command +MREG - command which behaves like +CREG with addition of other searching state.

E6.16.36 to E6.16.37

1	LIBbb85564	Fix: Giving higher priority to AFC on the serving cell to avoid drop calls in handover.
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E6.16.37 to E6.16.38

1	ZIL0100015183	Fix: In case of toggling (held/active) for 2 MT voice calls, +CLCC unsolicited report is not produced if CLI was not delivered for one of those calls. The issue occurred only in case that first call was with undelivered CLI.
2	ZIL0100015182 ZIL0100015180	Fix: If AT+CMGS was disturbed, the indication for successful sending was +CMXX instead of +CMSS
3	ZIL0100015181	Fix: Remove AT+CDBUG from list of supported at commands (AT\$)
4	ZIL0100014842	Fix: When AT+MCSN was set to work, after changing PIN through handset an unsolicited +MCSN message appeared on handset.
5	ZIL0100012283	Fix: UP/DOWN keys in handset did not respond after "one touch dialing"

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6	ZIL0100014633	Fix: After aborting +CMGS/+CMGW, the "OK" response appeared without carriage return
7	ZIL0100014726	Fix: AT+MCSN indication when removing & reinserting SIM didn't appear
8	ZIL0100009692	Fix: "GPRS Data Session" indication is replaced with PLMN message after rejecting MT Data call while in GPRS Data Session.
9	ZIL0100014860	Fix: When CMGF=1, display alpha numeric Type of Originating Address <toa>
10	LIBbb84536	Fix: PTCRB grade "A" problems related to RLC uplink.
11	LIBaa12250	New: Supports UCS2 characters in phone book commands.
12	ZIL0100013743	Fix: When using +CMSS, set any undefined <today> to international or national.
13	ZIL0100012602	Fix: AT+CLCK: Wrong <mode> values are allowed.
14	ZIL0100012609	Fix: AT+CLCK, when deactivating bearing service "AC", "AI" should also be deactivated.

E6.16.37 to E6.16.39

1	NO ID	Up rev SVN number to 47
2	LIBbb90334	Full version number added to end of log_periodic_info primitive.
3	LIBbb94667	Provide highest priority to SCH synchronize a cell that has just entered in the 6+. Do not repeat the (frame N+1) measurement in the next TDMA frame when the measurement on the previous frame (frame N) is out of range, debug added to see how many "out of range" measurements are done for each adjacent cell frequency
		Change MAX_AGE_OF_SYNC_STATUS_FOR_HO from 20s to 35s; this will allow a cell that has not been SCH synchronized since 35s at the maximum to still be in SCH_DECODED state and not degrade its state to NOT_SYNCED that would trigger a complete synchronization process (FCH and then SCH)
		Decrease the reaction time to synchronize a new cell entering the 6 strongest cell list; which will give higher priority to this processing of confirming SCH for cells that are NOT in the 6 strongest cell list.
		Removal of BSAVE

E6.16.38 to E6.16.40

1	NO ID	Up rev SVN number to 48
2	LIBdd00003	Fix: incorrect V24 signaling frames sent to terminal. These frames we incorrectly sent and after fix they are not sent.

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3	LIBaa12404	Complete the implementation of the wakeup line in MUX mode by handling a timer expiration, which brings the wakeup line back to high.
4	LIBbb93595	Fix: internal flow control mechanism to empty the downlink pipe.

E6.16.40 to E6.16.41

1	NO ID	Fix: Time-Advance error, changed back BW filter from 93kHz to 67kHz (change this issue back to sangam AF.8F.ED).
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E6.16.39 to E6.16.42

1	NO ID	Up rev SVN number to 49
2	Remove LIBaa11812	Fix: remove PLMN scan aboard situation. Remove LIBaa11812 from G18 product, since this CR created for Apollo and not required in G18.
3	LIBaa12403	Fix: Time-Advance error, Change BW filter to 82.6KHz.
4	LIBbb94667	Fix: drop call/voice quality issue with removal of battery-save in dedicated mode.

E6.16.38 to E6.16.43

1	LIBdd08677	New: Create-Release - Up rev SVN number to 50.
2	LIBaa12250	New: Supports UCS2 characters in phone book commands. Add to +MECC command the value 2 - "String constants" implementation. Implement ITU-T V25 ter, 5.4.2.2 "String constants" in phone book commands. This implementation is conditioned in +MECC=2.
3	LIBbb89977	Fix: AT+MCSN is activated. If PIN entered by AT+CPIN - garbage on HS screen.
4	LIBbb89951	Fix: SMS text mode with non-standard characters display.
5	LIBdd00198	Fix: Remove Apollo branch LIBaa11812 that caused automatic PLMN scan to stop after being in a non-coverage area, although automatic PLMN selection was on.
6	LIBdd03478	Fix: If AT+CLCC=1 was given after call was established, unsolicited indications weren't given for that call.
7	LIBbb93565	Fix: AT+CIEV: 3,1 indication (unread SMS) was sent if SMS storage was full (even if there were no new messages).
8	LIBdd00070	New: AT+MDC command to change the 2nd OK after ATD to CONNECT.
9	LIBaa12404	Fix: Complete the implementation of the wakeup line in MUX.
10	LIBbb84978	Fix: AT+MREG/+CREG, wrong response format in read mode, (redundant blank string).
11	ZIL0100011052	Fix: In fixed dialing mode, If "SM" or "ME" phonebook is unavailable then "MT" shouldn't be available either.

12	LIBbb91114	Fix: AT+CLCK interrogation gives wrong indication after PUK1 is released
13	LIBbb93595	Fix: Failure of Data transfer in GPRS in MUX mode.
14	LIBbb94667	Provide highest priority to SCH synchronize a cell that has just entered in the 6+. Do not repeat the (frame N+1) measurement in the next TDMA frame when the measurement on the previous frame (frame N) is out of range, debug added to see how many "out of range" measurements are done for each adjacent cell frequency
		Change MAX_AGE_OF_SYNC_STATUS_FOR_HO from 20s to 35s; this will allow a cell that has not been SCH synchronized since 35s at the maximum to still be in SCH_DECODED state and not degrade its state to NOT_SYNCED that would trigger a complete synchronization process (FCH and then SCH)
		Decrease the reaction time to synchronize a new cell entering the 6 strongest cell list; which will give higher priority to this processing of confirming SCH for cells that are NOT in the 6 strongest cell list.
		Removal of BSAVE in dedicated mode.
15	LIBbb90334	New: Full version number added to end of log_periodic_info primitive.
16	LIBaa12403	Fix: Time-Advance error, Change BW filter to 82.6KHz.
17	LIBdd00240	Fix: GPRS Lock up of g18 after being out of coverage for a period of time.
18	LIBdd05396	New: AT+MRST command - reset the g18.
19	LIBbb90268	Fix: AT+CIP unsolicited reports with primitive ID A88F are not produced if HS without SIM reader is connected to DSC bus.
20	LIBbb90738	Fix: AT+CRTT. Ring tone doesn't stop to play back if pressing one of keypad buttons while playing back a ring tone.
21	LIBbb93298	Fix: AT+CLCC unsolicited reports activated. While MO voice call is active, if we try to establish second voice connection, G18 resets.
22	LIBdd00093	Fix: Corrects the issue of not reporting AT+CLCC asynchronous reports for some of calls, when AT+CLCC asynchronous indication is activated, for example when toggling two calls.
23	LIBbb88552	Fix: AT+COPS? : Read command returns <oper> in wrong format
24	LIBbb90734	Fix: AT+CLCK= "CS", 0/1 (lock/unlock phone keyboard) cannot be done during an active call. Command will return an ERROR.
25	LIBdd07907	Fix: Remove CR: LIBaa12274 - Remove AT+COPS Manual Mode support.
26	ZIL0100012604	Fix: AT+CLCK="AG", 0,"xxxx" should deactivate all MO Barring.
27	LIBdd00003	Fix: logic for sending V.24 signaling frames when an MMISCI_ATCMD_IND primitive is received to MUX.

E6.16.43 to E6.16.45


1	NOID	Up rev SVN number to 51.
2	LIBdd10244	Fix: AT+CLCC unsolicited reports were not produced, whenever two or more call related commands were issued in very short time interval.
3	LIBdd15358	Fix: Unexpected atcmd_ind/atcmd_cnf in sci state machine, in other words it fixes RS232 lock up.
4	LIBdd13242	Fix: Enlarge SCI queues to make FTP application on top of GPRS to be more efficient. This is especially important for MUX mode because of it overhead and very low efficiency.
5	LIBdd08037	Fix: Escaping to Command Mode with +++ and getting back to Data mode with ATO, after a voice call dialed and rejected.

E6.16.45 to E6.16.47

1	NOID	Up rev SVN number to 52.
2	LIBdd30894	Fix: When Data Coding Scheme (DCS) field in the SMS is UCS2, message is cut off using +CMGL/+CMGR commands.

E6.16.45 to E6.16.48

1	NOID	Up rev SVN number to 53.
2	LIBdd10492	Fix: AT+COPS=1 & AT+COPS=2, implementations of: manual PLMN selection, and deregister, changes were made only in High level.
3	LIBdd14129	Fix: AT+COPS=? , Sometimes for COPS test command a false list was provided instead of an indication that list cannot be given at the moment. For example this happens when phone is in a call.
4	LIBdd26512	Fix: Emergency call failure when user is having a SIM card that used in denied network (Network that do not have roaming agreement with the specific SIM card operator).

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E6.16.38 to E6.56.38 (Chinese Languages)

1	LIBdd04684	New: Add Chinese Character Display and Chinese Character Input.
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E6.16.38 to E6.56.39 (Chinese Languages)

1	LIBdd04684	New: Add Chinese Character Display and Chinese Character Input.
2	LIBdd25066	Fix: Using AT+MECC command to write "alpha" with non-standard characters - G18 resets after attempt to read the entry.
3	LIBdd25039	Fix: Illegal +CIEV #12 need to change to #50.

E6.16.45 to E6.56.46 (Chinese Languages)

1	LIBdd04684	New: Add Chinese Character Display and Chinese Character Input.
2	LIBdd25066	Fix: Using AT+MECC command to write "alpha" with non-standard characters - G18 resets after attempt to read the entry.
3	LIBdd25039	Fix: Illegal +CIEV #12 need to change to #50.
4	LIBdd26680	Fix: Setting AT+MCSN/UCS2 cause the G18 to reset.
5	LIBdd23058	Fix: Missing cursor at RS232 when editing SMS by HS.

E6.16.45 to E6.16.49

1	LIBdd40703	Release process, and up rev SVN number to 54.
2	LIBdd33917	Fix: Create-Release flash0x.hex file (combine of CP+LP+sloader flash files), Check if we can combine sloader.hex to CP+LP hex file (size limit), if not - print Error message on the screen and don't combine the sloader.
3	LIBbb90749	Fix: AT+CLIP=? Returns two responses when we use Cellcom's SIM.
4	LIBdd10549	Fix: "@" wrongly saved in PDU mode.
5	LIBdd20116	Fix: In case of SMS commands, returns +CMS error instead of +CME.
6	LIBdd30278	Fix: GSM char 0x1E should be translated to 0x00DF (German sharp S) instead of 0x03B2 (Greek beta).
7	LIBdd30894	Fix: When Data Coding Scheme (DCS) field in the SMS is UCS2, message is cut off using +CMGL/+CMGR commands.
8	LIBbb90739	Fix: Cover all cases of various MUX channels, i.e.: One closed and one open, both open, both closed, one with GPRS call and one "free", both "free".


9	LIBdd09888	Fix: in MUX mode, DCD line behavior upon setting Auto Answer feature with ATSO.
10	LIBdd14129	Fix: AT+COPS=? , Sometimes for COPS test command a false list was provided instead of an indication that list cannot be given at the moment. For example this happens when phone is in a call.
11	LIBdd38278	Fix: +COPS test command to show a PLMN that is listed in the preferred list and the forbidden list as forbidden - "3" and not as available - "1".
12	LIBdd16590	Fix: Wrong response to +CGATT read command when SIM doesn't support GPRS service.
13	LIBdd11334	Fix: In case that user executes AT command (AT+CHLD) that requires some call facility and cellular operator doesn't support this facility, an error reported on HS display, but no error report on terminal is given.
14	LIBdd16593	Fix: In case that operator supports only one active GPRS context (e.g. Orange Israel) and attempt to activate second context with at+cgact command was made, the report of command at+cgaddr after second context activation attempt doesn't show the IP address of first active context.
15	LIBbb94584	Fix: Put some order to the MUX channels and the calls that can be established on them.
16	LIBdd16693	Fix: In MUX mode, ATZ always returns OK and releases any Voice or Data calls. GPRS calls are not released by ATZ.
17	LIBdd18781	Fix: Reduce the chances of ERROR message that appears at times, upon closing MUX.
18	LIBdd18859	Fix: A MUX close down procedure was designed and implemented. This prevents the problems of re-entering MUX mode. New state for DLC and MUX was introduced: <u>DLC_Closing</u> and <u>MuxClosing</u> .
19	LIBdd10492	Fix: AT+COPS=1 & AT+COPS=2, implementations of: manual PLMN selection, and deregister, changes were made only in High level.
20	LIBdd11604	Fix: G18 resets/can't reconnect after attempt detach in non-coverage.
21	LIBdd26512	Fix: Emergency call failure when user is having a SIM card that used in denied network (Network that do not have roaming agreement with the specific SIM card operator).
22	LIBdd12085	New: AT+CSNS command enables user to select the bearer to be used when mobile terminated single numbering scheme call is received without Bearer Capability information.
23	LIBdd20055	New: In Mexico emergency number is defined to be 08. Emergency call numbers update according to ETSI spec, reference 3GPP TS 02.30 Version 7.1.1 Release 1998: "Man-machine Interface (MMI) of the Mobile Station (MS)".

E6.16.49 to E6.16.50

1	NOID	Up rev SVN number to 55.
2	LIBdd42858	New: AT+MCA - "Motorola Control Audio". Set command controls if normal audio functionality should always be disabled or should it work according to regular g18 conditions. This command was added as a result of poor audio quality during emergency-call without SIM.
3	LIBdd42868	Fix: emergency-call should continue if SIM is pulled out during the call.
4	LIBdd44384	Fix: AT+CHLD=1X/AT+CHLD=1 should be able to disconnect a busy party and stop the busy sound from that call. When using AT+CHLD=1, the busy call and sound drops, and the held calls are retrieved. When using AT+CHLD=1, the busy call and sound drops, and the held calls remain held.
5	LIBdd45032	Fix: AT+CMSS command should be abort-able (like AT+CMGS). This prevents a situation where the phone can't receive any AT command (not even make an e-call) until an ACK is received from the network.
6	LIBdd46319	New: Save AT+CSNS bearer setting in memory after power cycle.
7	LIBdd46719	Fix: Remove partially the CR LIBbb94584 (Fix: MUX - call made by HS/AT+CKPD can not be released by ATH).

E6.16.50 to E6.16.51

1	NOID	Up rev SVN number to 56.
2	LIBdd37992	Update: Operator (PLMN) List from SE13_Nov_03_2003.txt and from NAPRD+10_2_6_1_MNC_oper_name.doc
3	LIBdd52910	Fix: After originating an emergency call, PLMN selection mode should change to automatic. This will insure the user has a better chance being available if the police want to call back. It also prevents a situation where a user can be manually registered to a PLMN he didn't select.
4	LIBdd52911	Fix: When inserting a SIM card, if it's not the previous SIM card that was in use, the PLMN selection mode should be automatic.
5	LIBdd52943	Fix: Allow PIN1 to be changed to it-self using the +CPIN command.
6	LIBdd55860	Fix: The network list returned from AT+COPS=? Should display forbidden PLMNs only at the end of the list. When a PLMN was both on the forbidden and preferred lists, sometimes forbidden PLMNs would be reported in the middle of the list
7	LIBdd54063	Fix: When SPLIT-MPTY fails, the call information is missed by the CLCC.
8	LIBdd47167	Fix: MUX start up sequence was improved. OK response to AT+CMUX is sent with no delay and G18 is then ready to receive SABM frames. A fix for a problem that caused the G18 to halt sometimes, upon AT+CMUX, was implemented.

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9	LIBdd52913	Fix: 'Click' sounds when changing the HOLD settings in call(AT+CHLD) were removed.
10	LIBdd55861	Fix: CPBR - handle with max alpha field length different than 16 characters.
11	LIBdd59045	Fix: CPBW - handle with writing a UCS2 alpha field to SIM PB with max alpha field length different than 16 characters.
12	LIBdd52953	Fix: CPIN - returns with "READY" instead of "SIM PIN" just after PIN enabled SIM was reinserted. "SIM failure" will be returned to all non-basic commands in this very short period.
13	LIBdd47599	Fix: When Dialling a voice call either by Handset or by AT+CKPD from either of the DLC channels (when MUX is active), the call is established ok but ATH on any of the DLCs does NOT release the call.
14	LIBdd51700	New: MUX - Allow choice of DLC to which unsolicited RING indications are to be sent.

E6.16.51 to E6.16.52

1	NOID	Up rev SVN number to 57.
2	LIBdd81092	Update: Operator-List Based on: SE13_4_Feb_2004.xls and on: NAPRD 10_2_6_2_MNC_oper_name.doc
3	LIBdd55858	New: Implement AT+MDSI command. This command enables unsolicited indications of SIM card deactivation and invalidation.
4	LIBdd62978	Fix: "No service availability" indication (+CIEV:02, 1) didn't appear after giving a COPS set command to a network that doesn't exist.
5	LIBdd58496	New: Implement AT+CGREG command.
6	LIBdd60927	Fix: If a NW appears multiple times in the preferred PLMN list, it should appear only once in the result of a NW scan (+COPS=?).
7	LIBdd64773	Fix: AT+CHLD=0 failed after held call hang-up by the remote side.
8	LIBdd64766	Fix: Error code 255 reported on dropped (or released call) was corrected to 127, as specified in GSM 04.08 Annex H.
9	LIBdd63531	Fix: Syntax - AT+CMGL/MMGL Missing "(" in test mode.
10	LIBdd63413	Fix: Syntax - Two blank lines between AT+COPS=? and the result appeared if AT+CIPE=1 is sent prior to AT+COPS=? Were removed.
11	LIBdd62948	Fix: Syntax - in AT+MCA TEST command, removed redundant spaces.
12	LIBdd62939	Fix: Syntax - CEER read command: Redundant spaces replaced by zero "0" characters so that the returned value is always a three-digit value.
13	LIBdd60971	Fix: The following AT commands can now be aborted to prevent the situation in which removal of SIM during these commands causes a lockup of the AT command interface: CLIP, CNMI, MMGL, CMGL, MMGR, CMGR.


14	LIBdd50030	Fix: If an SMS arrives between call state "dialing" and "alerting", later in the call, there is no indication for the call ending.
15	LIBdd67734	New: Add CREG/CGREG indication when MS switches camped cell.
16	LIBdd68312	Fix: AT+CBAND can change band without SIM.
17	LIBdd68735	Fix: AT+CBAND can change band without the need for a power cycle to take effect.
18	LIBdd56594	New: Implement extra GSM characters in PB AT commands, according to GSM 03.38
19	LIBdd61319	New: Implement AT+MOPS (Motorola Operator Selected) command. This command enables the user to be informed of any change in PLMN mode selection or the selected operator. AT+MOPS doesn't replace AT+COPS in any means. It can't be used to select an operator.
20	LIBdd79743	Fix: Using CLCK command after attempting to disable the PIN on a SIM that doesn't allow PIN disable (special SIM's), the g18 would constantly return "error: 253" when using a large block of the commands until next power-up.
21	LIBdd79738	Fix: Prevent AT+CLIR set and read format when not registered.

E6.16.52 to E6.16.53

1	NOID	Up rev SVN number to 59.
2	LIBdd70013	Fix: E-call disconnects when SIM card is pulled out. This fix also prevents the inability to make an e-call right after a data call has ended and the SIM card was removed.
3	LIBdd86529	New: Add a Handsfree ON/OFF toggle menu when in a call (flex dependent).
4	LIBdd82852	Fix: "clicks" which are heard when putting calls on HOLD and retrieving them back to ACTIVE. And fix Side Tone feature which causes self-hearing in the system, when a call is HELD and after the calls in completely released.

E6.16.53 to E6.16.54


1	NOID	Up rev SVN number to 60.
2	LIBdd93398	Fix: When AT+COPS read command is sent during PB initialisation, sometimes the SM and ME PB could not be selected anymore.
3	LIBdd90540	Fix: If CRTT tone was playing, and an incoming call answered, there was no audio for several seconds.
4	LIBdd78054	Fix: When G18 was camped on a new NW, right before registration, the COPS read command still returned the old NW as the registered NW.

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5	LIBdd89551	Fix: In MUX mode, ATH for a MT call on Channel 2 while MMGL is processed on channel 1 causes channel 1 to get stuck.
6	LIBdd79745	Fix: In MUX mode, MT SMS converted from "UNREAD" to "READ" message if AT+MMGL was given on one channel and another command was given on the other channel.
7	LIBdd84241	Syntax fix: In AT+MCA read format extra blank spaces were removed.
8	LIBdd79742	Fix: If the SIM card is removed during a location update and an e-call establishment, the e-call would disconnect because of the location update failure.
9	LIBdd82936	Fix: prevent +MOPS indication from giving a false "00000" of the selected operator.
10	LIBdd82077	Fix: Allow the ATZx command to be given only with x=0 or x=1. Any other value should return an Error.
11	LIBdd77443	New: CLIR settings will be stored in the NVM.
12	LIBdd79741	New: +CLCC solicited indication will return a "BUSY" state instead of no indication in cases where the call is in an intermediate state waiting for a response from the NW.
13	LIBdd77442	Fix: In rare cases when using AT+CLCC solicited and unsolicited indications at the same time, there was a missing +CLCC indication for a released call.
14	LIBdd77445	Fix: giving CHLD=1 when there is one held call and one dialing call shouldn't hang up the held call.
15	LIBdd77450	Fix: If an e-call were attempted immediately after manual registration was denied, it would fail.
16	LIBdd71487	Fix: If HPLMN is available when set to manual international roaming, the phone should stay roaming.
17	LIBdd73665	New: 3-digit network code support added for +CPOL and +COPS commands.

E6.16.54 to E6.16.54.0A

1	LIBee09169	New: Add support to set CNMI parameters and transfer MT SMS to TE when SIM storage is full.
2	LIBee23618	Fix: When using the in-call HF/HS toggle menu, moving from HS to HF mode and putting the HS in the cradle should not disconnect call (The presence of the HF toggle menu in a call is flex dependent).
3	LIBee26186	Fix: When CREG indicated registration was denied but COPS read showed the phone is registered was fixed.
4	LIBee10413	Fix: COPS read command replied with previously registered PLMN (after issuing AT+COPS=0), while phone is not registered but registering to a different PLMN. This happened in a brief time-window and is now fixed.

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5	LIBdd98488	Fix: When using +CUSD, the reply from the NW was either truncated (depending on the length) or wasn't presented although the <DCS> was default GSM. Now, the reply from the NW will be fully presented (up to 182 characters as defined by GSM spec) and will be presented for all <DCS> variants of GSM default character set.
6	LIBee01690	Fix: If profile status for CLIR SS (Supplementary Service) is unknown (e.g. currently registered NW does not support CLIR SS), enable setting CLIR value to default (CLIR=0).

E6.16.54.0A to E6.16.55

1	NOID	Up rev SVN number to 61.
2	LIBee13033	Update: PLMN list with: selist14-JUN-04.xls and NAPRD 10_2_6_5_MNC_oper_name.doc
3	LIBee35145	Fix: No +CIEV report "3,1" and "7,1" if "CNMI = ,2" was issued, new SMS arrived but arriving wasn't acknowledge by CNMA and storage became full.
4	LIBee26995	Fix: When MS receives two sequential MT SMS (within a very short time frame), CNMI <mt> value is set to 2 and SIM has only one free location left for SMS storage. If the first of two MT SMS is not ACKed (with AT+CNMA), it may cause phone to reset.
5	LIBee32044	Fix: When dialing ATD*31#112; (or any other e-call code) The emergency call will handled with no identification restriction. This is to prevent the Emergency Call Center from not accepting the call.
6	LIBdd66224	Fix: In MUX mode, there was a state that the g18 continuously sent packets on the data channel filled with zeros.
7	LIBee31067	Fix: Length of CPOL PLMN list is linked to actual file size in SIM and is not a fixed number anymore.
8	LIBee10411	Fix: AT+MOPS will show HPLMN if the SIM card is valid and no registered PLMN is stored in the SIM