

## **C18 - Released SW versions control**

### **SW versions**

C18 - Released SW versions control.....	1
SW versions .....	1
Introduction .....	1
C18_X_2.8_2.0.6 to C18_X_2.8_03.06 .....	2
C18_X_2.8_03.06 to C18_X_2.8_03.0B .....	3
C18_X_2.8_03.0B to C18_X_2.8_03.0C .....	4
C18_X_2.8_03.0C to C18_X_2.8_03.10 .....	4
C18_X_2.8_03.10 to C18_X_2.8_03.11 .....	4

### **Introduction**

This document describes the changes list in each software version upgrade. Each item includes also a short explanation of the changes.

- All the AT commands are related to a new developer guide "Motorola c18 AT commands 98-08901C65-B".

### **Upgrading SW:**

C18 units with C18\_X\_2.8\_03.06 SW version or higher support Software upgraded using PC-loader in the field over RS232. A Flax / PRI can't be loaded by this process.

**C18 X 2.8 2.0.6 to C18 X 2.8 03.06**
**Major Changes:**

- Adding restriction call options. Reference to developer guide.
- Add SMS PDU support to SMS AT commands on the C-18.
- PC-Loader protocol implemented in C18 code.
- C-18 bug fix, System determination System Selection.
- AT +CPRL correction.
- Adding encryption support for SW loader.

1	Extend call restriction options for CDMA1x networks, Allow voice, and 1X data, (async, fax, packet) only Using AT +CLCK (Lock Unlock SU or Network Facility) Commands to enable these restrictions.
2	AT +MNAM2 (gets/sets the NAM2 parameters) does not change the first 4 parameters.
3	Bug Fix in AT +CPARM (gets/sets the cellular system parameters) doesn't register to PCS Channels, become enabled.
4	ATM M, (Monitor Speaker Mode) refer to developer guide.
5	PC-Loader protocol re flash pass baud rate, implemented in C18 code
6	C-18 OEM, add SMS PDU support to SMS AT commands on the C-18, phase 2.
7	Added new value '2' to AT +CRC (Cellular Result Codes) that disables the RING indication in mode 2 for incoming calls.
8	C-18 bug fix Bug in SMS PDU 8 bit encoding, cutting the message contents when message contains zero value bytes.
9	New ATD commands for dealing with PRL parameters Found in documentation.
10	C-18 Change ATE0 (Do not display Command Echo)behaviour while writing SMS message in PDU mode, allow the '>' prompt even when echo is disabled.
11	Bug fix, SMS PDU, destination address is not allowed to accept non numeric values.
12	bug fix, SMS PDU, the only allowed values for dcs field are 0x00, 0x04, 0x08.
13	bug fix, SMS PDU, destination address type value can be only 0x81.
14	AT +CREG (Network Registration Status) fixing bug, refer to developer guide.
15	AT +CPRL correction: Errors, Update record type, Keeping the prev values.
16	Porting CR's from V60p regarding System determination, CDMA, AMPS issues.
17	Fix of RI is not flashing (blinking) while C18 camps on foreign system.
18	Fix the broken PTF roam icon.
19	New AT command +MSZL (Motorola support zero values), to support zero values not as string terminators in incoming

	SMS in LATIN_CDMA encoding.
20	Fix C18 failed Cellular Silent Retry on Step 12 and step 7.
21	ST, C18 SD: wrong service indication for some AMPS RF.
22	CRD signal is always in "1" For AT &C1 the DCD line did not changed from Low to High when establish packet data call.
23	Encryption Flash & Flex
24	AT +CREG (Network Registration Status) return only SID and NID without STATE
25	When a voice call is on AT +CLCC (List Current Calls) return call current status
26	AT command for checking RSSI level during a call
27	Fix USB problem with detect USB in new computers (USB2)

**C18\_X\_2.8\_03.06 to C18\_X\_2.8\_03.0B**

**Major Changes:**

- SMS PDU bug fixes regarding SMS contents that contain zero value bytes.
- C18 do not rescan after IS95 call release.
- Fix AT +CPARM for setting ACCOLC 4th parameter.
- Fix AT +MCRS vibrate option selection.
- Access channel parameters (Overhead message) are updated during CDMA Access state.

1	SMS PDU bug fixes regarding SMS contents that contain zero value bytes.
2	AT +CGSN (Request Product Serial Number Identification) command is not returning the correct ESN
3	AT COMMAND to delete all SMS messages
4	Merge for LIBeell694 - Amps/ Digital scanning issue
5	AT +CMGR (Read Message) and AT +CMGL (List Messages) have extra spaces in the replies
6	To support commands to save setting &W0 , &W1, &Y0, &Y1, &V (Dump Configuration Parameters)
7	AT +GMM (Request Model ID) Status Mode incorrect works in mode 0.
8	C18 do not rescan after IS95 call release
9	AT +CRC (Cellular Result Codes) command and description fix
10	AT +CREG (Network Registration Status) doesn't update service indicator
11	Fix AT +CPARM (gets/sets the cellular system parameters) for setting ACCOLC 4th parameter
12	Allow Vibrate selection option for AT +MCRS (Change Ring Style)
13	+CGSN ( Request Product Serial Number Identification ) AT command is not returning the correct ESN
14	Access channel parameters (Overhead message) are updated during CDMA Access state

**C18 X 2.8 03.0B to C18 X 2.8 03.0C**

1	Add the missing Ring Back Tone for incoming calls
2	Rescan after call release when moving from 1X -> IS95.

**C18 X 2.8 03.0C to C18 X 2.8 03.10**

1	Add sleep mode support - this will reduce power consumption from 35mA to 5mA in idle mode and also with RS232 configuration.
2	UI change - User text greeting will not erase after master clear, wake up gif will not show automatically when user text greeting is NULL.
3	Enable sending blank SMS.
4	Prevent AMPS scanning in emergency call- Do not scan AMPS system (Active with flex for Telstra).
5	Auto answer fix for incoming voice call.

**C18 X 2.8 03.10 to C18 X 2.8 03.11**

1	Fix Power Cycle problem cause by sending blank SMS in VM (voice mail) after move to end of list
---	---