



Iridium 9522B

Software Release Note

IRDM-1023-SRN-003 v2.1

ST15001

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1 Introduction

The purpose of document is to detail the feature changes included in the Iridium 9522B software release ST15001.

This release adds Australia emergency number 000 to the list of emergency numbers that can be called without a SIM, adds calling line identification and call release code reporting on the Intelligent Peripheral interface, and adds the ability to simultaneously send and receive SMS messages.

2 Upgrade Tool

An upgrade tool is provided to modify the software on 9522B devices to version ST15001.

Connect the Data/Fax port on the modem to a PC COM port, launch the upgrade tool, and click Upgrade to perform the upgrade.

The upgrade tool associated with this release has been tested with Microsoft Windows 7 SP1 x64.

After the upgrade is complete the device will report version ST15001 when queried with the AT+CGMR command.

3 Release Implementation

Iridium intends to transition from shipping 9522B units with software version ST10001 to version ST15001 in the fourth quarter of 2015. A user may downgrade to the previous release if necessary using a previous firmware upgrade tool.

4 Hardware Compatibility

This software release is compatible with all versions of the Iridium 9522B.

5 Change List

The following tables list the changes made in the previous two public 9522B software releases that may affect the product user.

5.1 ST15001

Changes since ST10001;

Description
Calls to the emergency services number “000” are now are permitted when no SIM card is present in the device.
Corrected an issue that would arise when the handset was transmitting and receiving SMS messages at the same time.
Added calling line indication restriction and presentation and call release code reporting over the Intelligent Peripheral protocol.

5.2 ST10001

Changes since ST09005;

Description
Added AT+GPSSTA AT command to disable GPS path for power savings.
AT+CLCC incorrectly reported 000, now correctly gives a 005 result for call waiting.
MO call with busy PSTN results in AT interface unresponsive, now responds busy within 30 seconds.
NO CARRIER seen in Quiet Mode at the end of some calls unlike 9522A, no longer appears.