

Iridium Model 9500 and 9505  
AT Command Compliance

TABLE OF CONTENTS

<b>1</b>	<b>PURPOSE.....</b>	<b>2</b>
<b>2</b>	<b>APPLICABILITY.....</b>	<b>2</b>
<b>3</b>	<b>VERIFICATION.....</b>	<b>2</b>
<b>4</b>	<b>COMPLIANCE.....</b>	<b>3</b>
4.1	COMMAND/RESPONSE RELATED AT COMMANDS.....	3
4.2	CONFIGURATION/CONTROL RELATED AT COMMANDS.....	3
4.3	DATA COMPRESSION RELATED AT COMMANDS.....	3
4.4	DAV RELATED AT COMMANDS.....	4
4.5	DIAL/ANSWER/HANG UP RELATED AT COMMANDS.....	4
4.6	ERROR REPORT RELATED AT COMMANDS.....	4
4.7	INTERFACE/POWER RELATED AT COMMANDS.....	5
4.8	IRLP RELATED AT COMMANDS.....	5
4.9	ISU/SIM IDENTIFICATION/STATUS RELATED AT COMMANDS.....	6
4.10	PHONEBOOK RELATED AT COMMANDS.....	6
4.11	PIN/PASSWORD RELATED AT COMMANDS.....	6
4.12	PRODUCT PROPRIETARY RELATED AT COMMANDS.....	7
4.13	SERVICE/REGISTRATION RELATED AT COMMANDS.....	7
4.14	SMS RELATED AT COMMANDS.....	7
4.15	NON-FUNCTIONAL AT COMMANDS.....	8

# Iridium Model 9500 and 9505 AT Command Compliance

## 1 Purpose

This document serves to identify AT Command compliance of the Iridium Model 9500 and 9505 handsets.

## 2 Applicability

The AT Command compliance stated within this document is applicable only to the handset model and software revision combinations listed in **Table 1** below. The document listed in **Table 2** serves as the AT Command master listing and technical reference.

**Table 1: Applicable Handset Software Revisions**

Handset Model	Software Revision
9500	INC0620
9505	LAC109G

**Table 2: Reference Document**

Document Title	Document No.	Rev.	Date	Author
ISU AT Command Reference	SSP-ISU-CPSW-USER-0005	1.3	January 16, 2000	Motorola

## 3 Verification

The Windows 95 HyperTerminal application running on a laptop computer was used to verify AT Command compliance.

AT Commands were rated on each handset as Compliant, Partially Compliant, Non-Compliant, or Requires Additional Verification.

*Note that most AT Commands include multiple variations, and in some cases not all variations were tested.*

Iridium Model 9500 and 9505  
AT Command Compliance

## 4 Compliance

### 4.1 Command/Response Related AT Commands

Table 3 below lists compliance of the Iridium Model 9500 and 9505 handsets with Command/Response related AT Commands.

**Table 3: Command/Response Related AT Command Compliance**

AT Command	9500	9505	Ref. Doc. Sect.
AT	Compliant	Compliant	3.1
A/	Compliant	Compliant	3.2
+++	Compliant	Compliant	3.3
En	Compliant	Compliant	3.8
On	Compliant	Compliant	3.15
Qn	Compliant	Compliant	3.17
V	Compliant	Compliant	3.20
Wn	Compliant	Compliant	3.21
Xn	Compliant	Compliant	3.22

### 4.2 Configuration/Control Related AT Commands

Table 4 below lists compliance of the Iridium Model 9500 and 9505 handsets with Configuration/Control related AT Commands.

**Table 4: Configuration/Control Related AT Command Compliance**

AT Command	9500	9505	Ref. Doc. Sect.
Sr	Compliant	Compliant	3.18
Zn	Compliant	Compliant	3.24
&Fn	Compliant	Compliant	3.27
&V	Compliant	Compliant	3.37
&Wn	Compliant	Compliant	3.38
%R	Compliant	Compliant	3.51
\S	Non-Compliant	Non-Compliant	3.48
&Yn	Non-Compliant	Non-Compliant	3.40
+CLVL	Non-Compliant	Non-Compliant	4.40
+CMUT	Non-Compliant	Non-Compliant	4.42

### 4.3 Data Compression Related AT Commands

Table 5 below lists compliance of the Iridium Model 9500 and 9505 handsets with Data Compression related AT Commands.

**Table 5: Data Compression Related AT Command Compliance**

AT Command	9500	9505	Ref. Doc. Sect.
+DS	Partially Compliant	Partially Compliant	5.1
+DR	Partially Compliant	Partially Compliant	5.2

Iridium Model 9500 and 9505  
AT Command Compliance

#### 4.4 DAV Related AT Commands

Table 6 below lists compliance of the Iridium Model 9500 and 9505 handsets with DAV related AT Commands.

Table 6: DAV Related AT Command Compliance

AT Command	9500	9505	Ref. Doc. Sect.
+WDAV	Non-Compliant	Non-Compliant	8.5

#### 4.5 Dial/Answer/Hang Up Related AT Commands

Table 7 below lists compliance of the Iridium Model 9500 and 9505 handsets with Dial/Answer/Hang Up related AT Commands.

Table 7: Dial/Answer/Hang Up Related AT Command Compliance

AT Command	9500	9505	Ref. Doc. Sect.
A	Compliant	Compliant	3.4
Hn	Compliant	Compliant	3.10
D	Partially Compliant	Partially Compliant	3.7
+CMOD	Non-Compliant	Compliant	4.17
+CHUP	Non-Compliant	Compliant	4.8
+CSTA	Non-Compliant	Compliant	4.36
+CVHU	Non-Compliant	Non-Compliant	4.44

#### 4.6 Error Report Related AT Commands

Table 8 below lists compliance of the Iridium Model 9500 and 9505 handsets with Error Report related AT Commands.

Table 8: Error Report Related AT Command Compliance

AT Command	9500	9505	Ref. Doc. Sect.
+CMEE	Compliant	Compliant	4.10
+CEER	Non-Compliant	Compliant	4.3

Iridium Model 9500 and 9505  
AT Command Compliance

**4.7 Interface/Power Related AT Commands**

**Table 9** below lists compliance of the Iridium Model 9500 and 9505 handsets with Interface/Power related AT Commands.

**Table 9: Interface/Power Related AT Command Compliance**

<b>AT Command</b>	<b>9500</b>	<b>9505</b>	<b>Ref. Doc. Sect.</b>
&Cn	Compliant	Compliant	3.25
&Mn	Compliant	Compliant	3.32
&Sn	Compliant	Compliant	3.36
*Pn	Compliant	Compliant	3.52
+IPR	Partially Compliant	Compliant	7.1
+CBC	Non-Compliant	Compliant	4.1
&Dn	Non-Compliant	Non-Compliant	3.26
+CSCS	Non-Compliant	Compliant	4.33
+CMER	Non-Compliant	Non-Compliant	4.41
&Kn	Requires Additional Verification	Requires Additional Verification	3.30
&Qn	Requires Additional Verification	Requires Additional Verification	3.34
\Kn	Requires Additional Verification	Requires Additional Verification	3.46

**4.8 IRLP Related AT Commands**

**Table 10** below lists compliance of the Iridium Model 9500 and 9505 handsets with IRLP related AT Commands.

**Table 10: IRLP Related AT Command Compliance**

<b>AT Command</b>	<b>9500</b>	<b>9505</b>	<b>Ref. Doc. Sect.</b>
+WIRLP	Requires Additional Verification	Requires Additional Verification	8.1
+WFRNG	Requires Additional Verification	Requires Additional Verification	8.2
+WTM	Requires Additional Verification	Requires Additional Verification	8.3
WDLDM	Requires Additional Verification	Requires Additional Verification	8.4

Iridium Model 9500 and 9505  
AT Command Compliance

**4.9 ISU/SIM Identification/Status Related AT Commands**

**Table 11** below lists compliance of the Iridium Model 9500 and 9505 handsets with ISU/SIM Identification/Status related AT Commands.

**Table 11: ISU/SIM Identification/Status Related AT Command Compliance**

AT Command	9500	9505	Ref. Doc. Sect.
In	Compliant	Compliant	3.11
+CGMI	Compliant	Compliant	4.4
+CGMM	Compliant	Compliant	4.5
+CGMR	Compliant	Compliant	4.6
+CGSN	Compliant	Compliant	4.7
+CPAS	Partially Compliant	Partially Compliant	4.20
+GMI	Non-Compliant	Compliant	6.1
+GMM	Non-Compliant	Compliant	6.2
+GMR	Non-Compliant	Compliant	6.3
+GSN	Non-Compliant	Compliant	6.4
+GCAP	Non-Compliant	Compliant	6.5
+CIMI	Non-Compliant	Non-Compliant	4.38
+CLCC	Non-Compliant	Non-Compliant	4.39
+CNUM	Non-Compliant	Non-Compliant	4.43

**4.10 Phonebook Related AT Commands**

**Table 12** below lists compliance of the Iridium Model 9500 and 9505 handsets with Phonebook related AT Commands.

**Table 12: Phonebook Related AT Command Compliance**

AT Command	9500	9505	Ref. Doc. Sect.
+CPBF	Non-Compliant	Compliant	4.21
+CPBR	Non-Compliant	Compliant	4.22
+CPBS	Non-Compliant	Partially Compliant	4.23
+CPBW	Non-Compliant	Partially Compliant	4.24

**4.11 PIN/Password Related AT Commands**

**Table 13** below lists compliance of the Iridium Model 9500 and 9505 handsets with PIN/Password related AT Commands.

**Table 13: PIN/Password Related AT Command Compliance**

AT Command	9500	9505	Ref. Doc. Sect.
+CPIN	Non-Compliant	Compliant	4.25
+CLCK	Non-Compliant	Non-Compliant	4.9
+CPWD	Non-Compliant	Non-Compliant	4.27

Iridium Model 9500 and 9505  
AT Command Compliance

**4.12 Product Proprietary Related AT Commands**

Table 14 below lists compliance of the Iridium Model 9500 and 9505 handsets with Product Proprietary related AT Commands.

**Table 14: Product Proprietary Related AT Command Compliance**

AT Command	9500	9505	Ref. Doc. Sect.
-MSVTS	Requires Additional Verification	Requires Additional Verification	9.1
-MSVTR	Requires Additional Verification	Requires Additional Verification	9.2
-MSVLS	Requires Additional Verification	Requires Additional Verification	9.3
-MSSTM	Requires Additional Verification	Requires Additional Verification	9.4

**4.13 Service/Registration Related AT Commands**

Table 15 below lists compliance of the Iridium Model 9500 and 9505 handsets with Service/Registration related AT Commands.

**Table 15: Service/Registration Related AT Command Compliance**

AT Command	9500	9505	Ref. Doc. Sect.
+CBST	Compliant	Compliant	4.2
+CR	Partially Compliant	Partially Compliant	4.28
+CRC	Partially Compliant	Partially Compliant	4.29
+COPS	Non-Compliant	Compliant	4.19
+CREG	Non-Compliant	Compliant	4.30
+CSQ	Non-Compliant	Partially Compliant	4.35
+CCFC	Non-Compliant	Non-Compliant	4.37

**4.14 SMS Related AT Commands**

Table 16 below lists compliance of the Iridium Model 9500 and 9505 handsets with SMS related AT Commands.

**Table 16: SMS Related AT Command Compliance**

AT Command	9500	9505	Ref. Doc. Sect.
+CMGD	Non-Compliant	Compliant	4.11
+CMGF	Non-Compliant	Compliant	4.12
+CMGL	Non-Compliant	Compliant	4.13
+CMGR	Non-Compliant	Compliant	4.14
+CMGS	Non-Compliant	Compliant	4.15
+CMGW	Non-Compliant	Compliant	4.16
+CMNI	Non-Compliant	Compliant	4.18
+CPMS	Non-Compliant	Compliant	4.26
+CSMS	Non-Compliant	Compliant	4.34
+CSCA	Non-Compliant	Non-Compliant	4.31

Iridium Model 9500 and 9505  
AT Command Compliance

**4.15 Non-Functional AT Commands**

**Table 17** below lists compliance of the Iridium Model 9500 and 9505 handsets with Non-Functional AT Commands. These AT Commands are accepted without error, but not acted upon.

**Table 17: Non-Functional AT Command Compliance**

<b>AT Command</b>	<b>9500</b>	<b>9505</b>	<b>Ref. Doc. Sect.</b>
Bn	Compliant	Compliant	3.5
Cn	Compliant	Compliant	3.6
Fn	Compliant	Compliant	3.9
Ln	Compliant	Compliant	3.12
Mn	Compliant	Compliant	3.13
Nn	Compliant	Compliant	3.14
P	Compliant	Compliant	3.16
T	Compliant	Compliant	3.19
Yn	Compliant	Compliant	3.23
&Gn	Compliant	Compliant	3.28
&Jn	Compliant	Compliant	3.29
&Ln	Compliant	Compliant	3.31
&Pn	Compliant	Compliant	3.33
&Rn	Compliant	Compliant	3.35
&Xn	Compliant	Compliant	3.39
\An	Compliant	Compliant	3.42
\Bn	Compliant	Compliant	3.43
\Gn	Compliant	Compliant	3.44
\Jn	Compliant	Compliant	3.45
\Nn	Compliant	Compliant	3.47
%Cn	Compliant	Compliant	3.49
%En	Compliant	Compliant	3.50
+CSCB	Non-Compliant	Compliant	4.32
&Zn=x	Non-Compliant	Non-Compliant	3.41