

**SENSITIVE BUT UNCLASSIFIED**

<b>IRIDIUM Key Load Procedures</b>		
Step	Operator Action	Expected Result
1	<b>SDS Key/Profile Setup Procedure</b>	
2	Reference the “EKMS End-User SOP” for procedures on transmitting Key(s) from DMD Power Station to an SDS.	SDS: Key(s) Data is received.
3	The SDS <i>CIK must be inserted</i> . These procedures begin based on the SDS user has already powered ON the SDS, logged in to CoreLib, and launched the SDS CT3 UAS.	
4	<b>SDS Load Keys Procedure</b>	
5	SDS: In the SDS CT3 UAS, from the Main Menu Bar select <b>Database &gt; View Keys</b> .	SDS: View Keys dialog is displayed.
6	SDS: Find the Short Title, Edition, and Register of the key to be used. Note the <b>Des/Sfx</b> number associated with key.  Then select the <b>Close</b> button.	SDS: View Keys dialog closes.
7	SDS: From the Main Menu Bar select <b>Transmit &gt; Keys</b> .	SDS: Transmit Key(s) dialog will be displayed.
8	SDS: Under the Key(s) to Transmit box select/highlight the <b>Des/Sfx</b> number of the key to fill. Under the Equipment Type box select/highlight <b>UNKNOWN</b> . Ensure <b>Decrypt Black Keys</b> box is checked.  Then select the <b>Transmit</b> button.	SDS: Unknown Equipment Transmit Protocol dialog will be displayed.
9	SDS: Under the Transmit Protocol box select/highlight <b>RS-232 Mode</b> .  Then select the <b>OK</b> button.	SDS: Status Report dialog will display... Connect SDS to equipment. Short Title=, Edition=, Register=, Segment= Text ID= Press continue when ready.
10	ISM: Power <b>ON</b> the unit.	ISM: Rotate and Extend Antenna is displayed. then... Enter PIN: will be displayed. <u>NOTE</u> : This is a four digit PIN for the phone which is established when phone service is first initialized and <u>is not</u> the PIN for the ISM sleeve.
11	ISM: <b>Enter the 4 Digit Pin</b> and press the <b>OK</b> button.	ISM: Completed will be displayed.
12	Connect the SDS to the ISM service port connector using the supplied fill cable.	ISM: Searching... will be displayed.
13	ISM: Press the <b>Menu</b> button.	ISM: The Security Menu will be displayed.

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14	ISM: Press the <b>OK</b> button.	ISM: Please Wait will be displayed. then... Pin Menu will be displayed.
15	ISM: Arrow up to the <b>Zeroize Menu</b> and press the <b>OK</b> button.	ISM: Zeroize Key will be displayed.
16	ISM: Press the <b>OK</b> button.	ISM: Confirm Zeroize Key will be displayed.
17	ISM: Press the <b>OK</b> button.	ISM: Zeroizing Key will be displayed. then... Zeroize Complete will be displayed.
18	ISM: Press the <b>C</b> button.	ISM: Zeroize Menu will be displayed.
19	ISM: Scroll up until <b>Key Mgmt Menu</b> is displayed.	ISM: Key Mgmt Menu will be displayed.
20	ISM: Press the <b>OK</b> button.	ISM: View Key will be displayed.
21	ISM: Press <b>Menu</b> to display Load Type 1 Key.	ISM: Load Type 1 Key will be displayed.
22	ISM: Press the <b>OK</b> button.	ISM: ☺ Enter T1DSW PIN will be displayed.
23	ISM: Enter the <b>ISM T1DSW Pin</b> code (8 digits) and press the <b>OK</b> button.	ISM: T1DSW Pin Entered will be displayed, and a moment later Load SDNS Key from DTD will be displayed.
24	ISM: Press the <b>OK</b> button.	ISM: Waiting for DTD to Connect will be displayed.
25	SDS: Select the <b>Continue</b> button.	SDS: Status Report dialog will display... Attempting to connect... then... Send Key Mode dialog will be displayed.
26	SDS: Select/highlight <b>No Tag</b> .  Then select the <b>OK</b> button.	SDS: Select Transmit Mode dialog will be displayed.
27	SDS: Select/highlight <b>Fill</b> .  Then select the <b>OK</b> button.	SDS: Status Report Dialog Box will display... Operation in progress... Transfer in progress... Transfer complete.  ISM: Reading Key Material will be displayed. Once the encryption key has been transferred you will see <u>Press OK Key 20 Times</u> .
28	ISM: Press the <b>OK</b> button 20 times.	ISM: Processing Key Material will be displayed. then... View Key will be displayed.
29	ISM: Press the <b>OK</b> button.	ISM: Reg Number will be displayed.
30	ISM: Arrow up/down to view the key information.	

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31	ISM: Press the <b>OK</b> button.	ISM: Key Correct? Clear to Abort will be displayed.
32	ISM: Press the <b>OK</b> button.	ISM: Storing Key will be displayed. then... Key Store Complete will be displayed. then... Enter ISM PIN will be displayed.
33	ISM: Enter an <b>ISM Pin code (4 digits)</b> , and press the <b>OK</b> button. (This is a user-generated pin).	ISM: Re-enter ISM PIN will be displayed.
34	ISM: <b>Re-enter the ISM Pin code (4 digits)</b> you selected and press the <b>OK</b> button.	ISM: Add User Successful will be displayed. then... Key Load Finished will be displayed.  SDS: Transmit Key(s) dialog will be displayed.
35	ISM: Press the <b>OK</b> button.	ISM: Load SDNS Key from DTD will be displayed.
36	ISM: Press the <b>C</b> button twice to return to the Menu.	
37	SDS: On the Transmit Key(s) dialog select the <b>Close</b> button.	SDS: Status Report dialog will be displayed.
38	SDS: On the Status Report dialog select the <b>Close</b> button.	SDS: Status Report dialog closes and the SDS CT3 UAS screen is displayed.
39	SDS: Disconnect fill cable from the IRIDIUM.	
40	<b>End of Procedure</b>	