The Digital Source Collector

MDR Down Load Procedures

IMPORTANT

Ensure PC laptop is On, LIMSS-GAS application is Started, and interfacing cable and MIL-STD-1553 card is connected and configured

Task Steps:

1. **Ensure Aircraft Battery is connected (Do not turn aircraft battery on).**
2. **Ensure PC is on with a MIL-STD-1553 card and LIMSS-GAS installed prior to PC start up.**
3. **Connect down load interfacing cable to the MIL-STD 1553 card and then to the "A" Bus Cable connector on the aircraft (Slide 4).**
4. **Start the LIMSS-GAS program (Slide 5).**
5. **Connect the down load cable power connector to the connector on the aircraft (Slide 4).**

The Digital Source Collector

MDR Down Load Procedures

6. Open the “Safety” menu and select “Down load only”. LIMSS-GAS will begin inventorying flight files (Slide 6).
7. Once the inventory is complete, select the flight (date/time) and then change the “Output Directory” to desired location (Desktop; New Folder). Then select the “Down Load” button in the lower right corner of screen (Slide 7, 8, 9 and 10).
8. Once the Down Load is complete, disconnect all the cables, close the LIMSS-GAS application and disconnect aircraft battery.
9. Successful selected down loaded ‘flight’; will produce four (4) binary (.BIN) files; A – audio, F – fixed, V – variable, and S – Safety. Preceding flights will normally produce only the F, V, and S BIN files. Note: The last and/or preceding flights may contain audio; verify after LIMSS- GAS completes the flight inventory process.

The Digital Source Collector

MDR Down Load Procedures

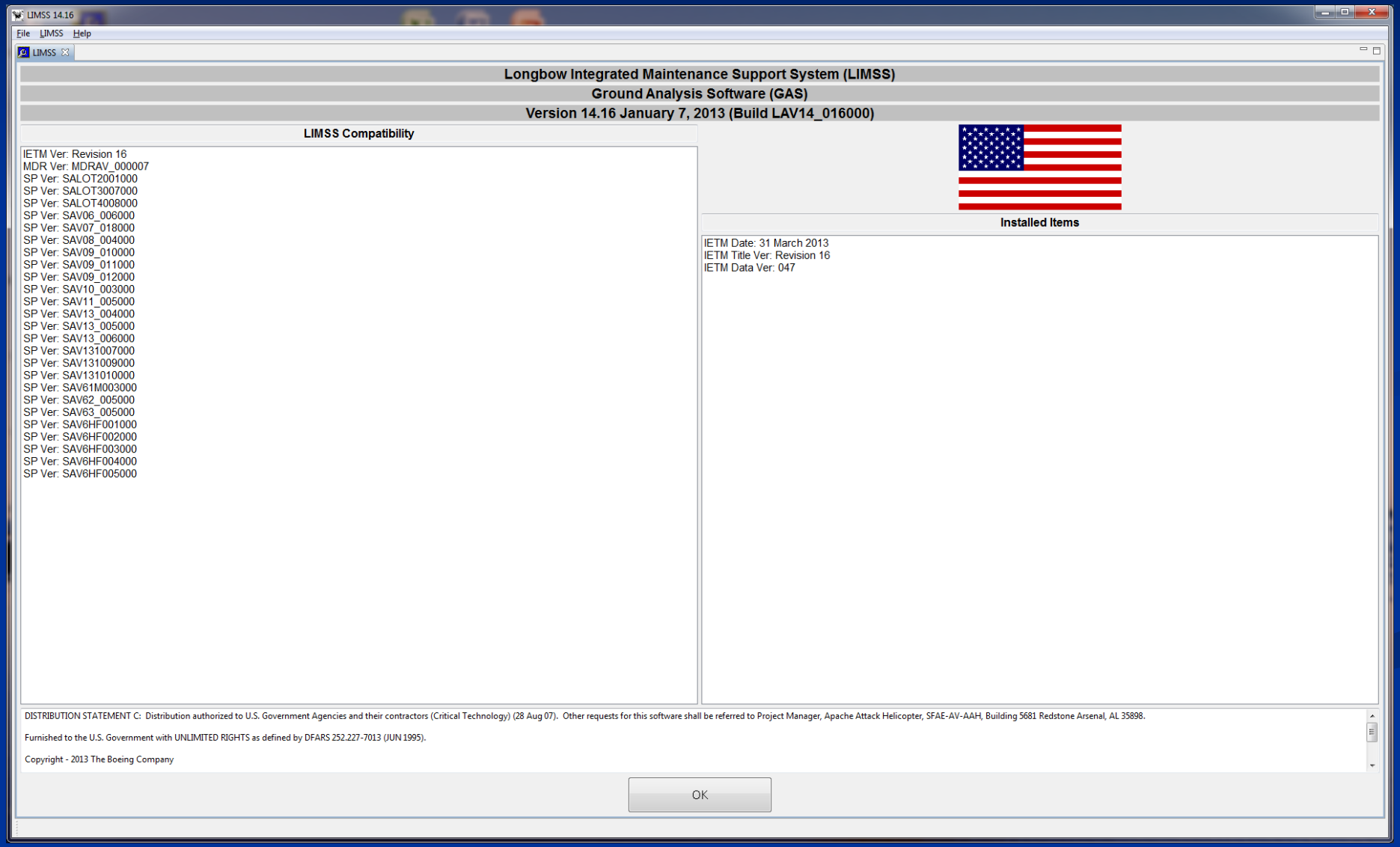
10. **E-mail the BIN files (F – fixed; V – variable; S – safety) along with a short description of the problem to:** usarmy.rucker.hqda-secarmy.list.safe-dcai@mail.mil **or** William.F.Rhode.civ@mail.mil; Carl.J.Shea.civ@mail.mil Timothy.S.Ashcom.civ@mail.mil . **The audio (A) BIN file is too large to send via e-mail. Use the following site to send:** https://safe.amrdec.army.mil/safe/ **The Lab will process the data and return it to you.**

11. **If there is possibility damage to the MDR or the MDRs electrical system components and/or connections; then remove the MDR and send it to the CRC for down load and processing (mailing address is in DA Pam 385-40).**

The Digital Source Collector

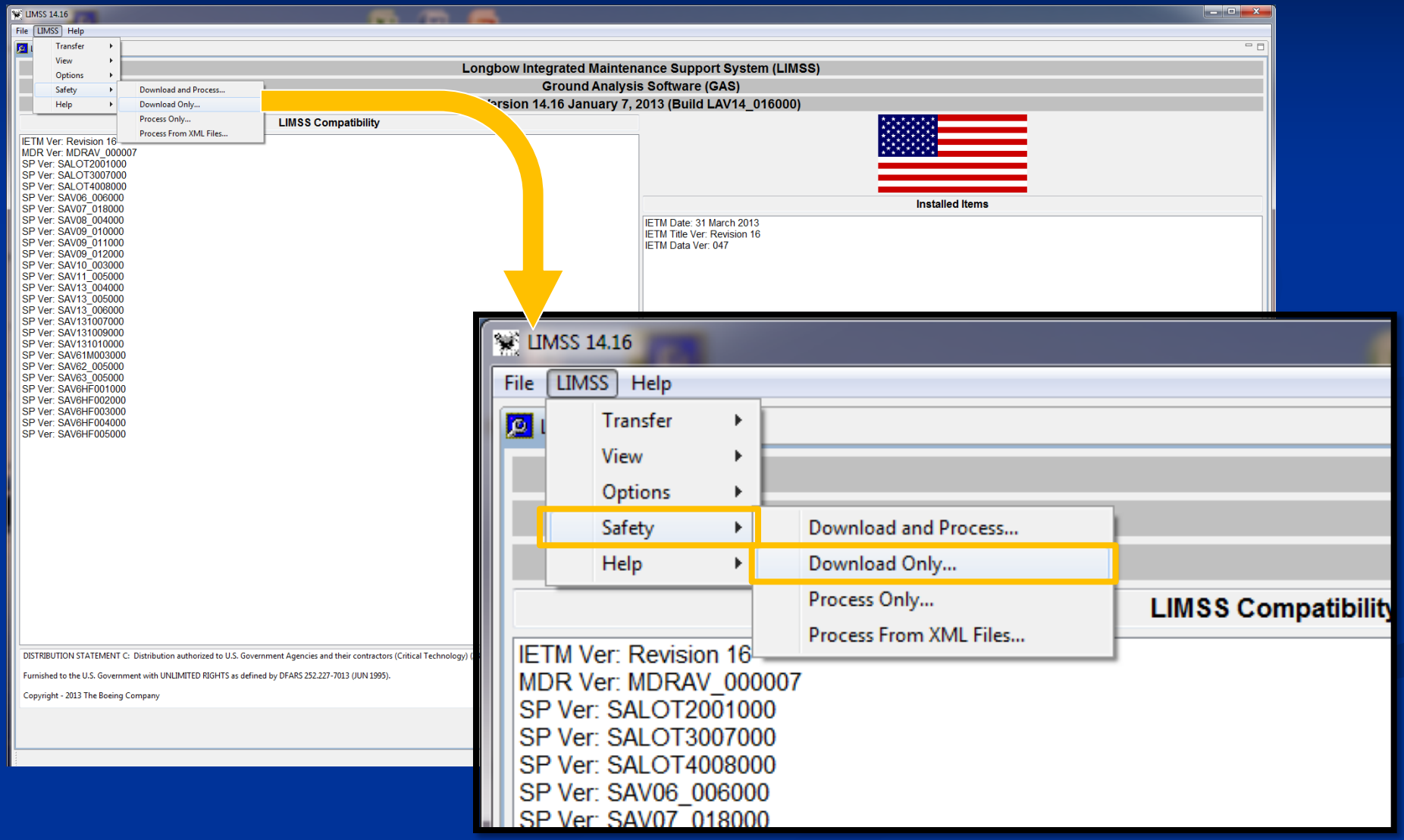
The Digital Source Collector

LIMSS-GAS Main Screen



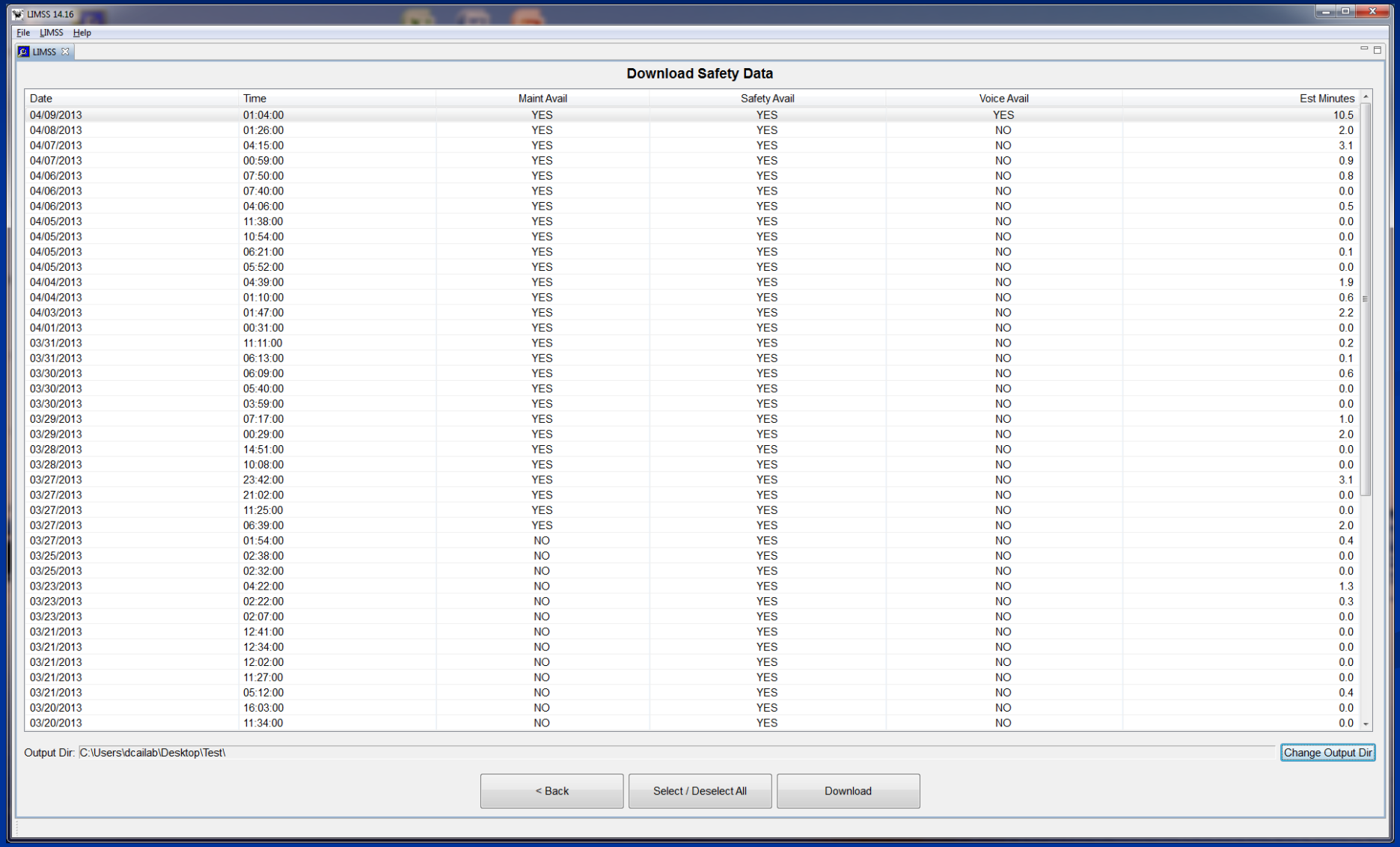
The Digital Source Collector

Down Load



The Digital Source Collector

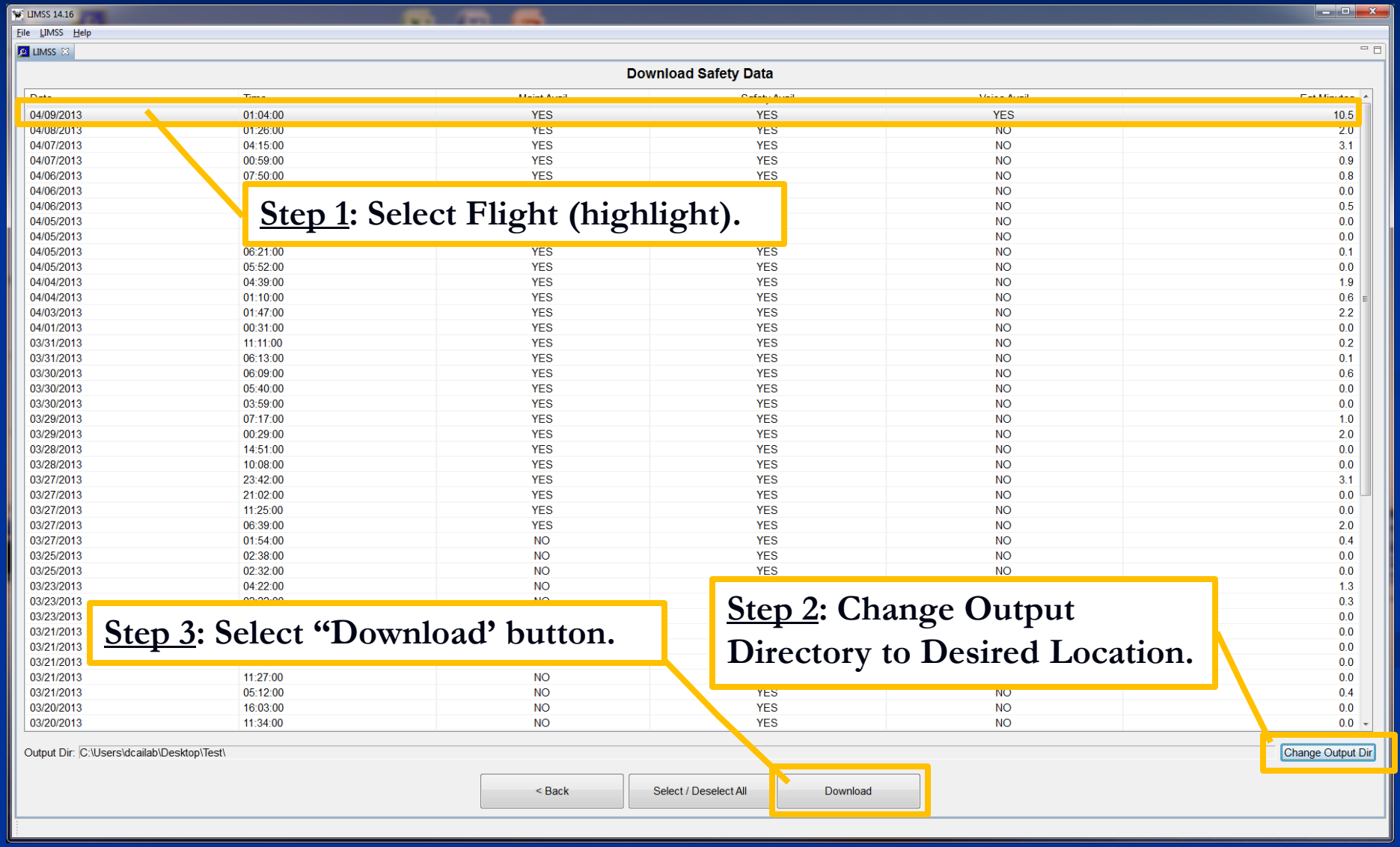
Flight Inventory Page



Date	Time	Maint Avail	Safety Avail	Voice Avail	Est Minutes
04/09/2013	01:04:00	YES	YES	YES	10.5
04/08/2013	01:26:00	YES	YES	NO	2.0
04/07/2013	04:15:00	YES	YES	NO	3.1
04/07/2013	00:59:00	YES	YES	NO	0.9
04/06/2013	07:50:00	YES	YES	NO	0.8
04/06/2013	07:40:00	YES	YES	NO	0.0
04/06/2013	04:06:00	YES	YES	NO	0.5
04/05/2013	11:38:00	YES	YES	NO	0.0
04/05/2013	10:54:00	YES	YES	NO	0.0
04/05/2013	06:21:00	YES	YES	NO	0.1
04/05/2013	05:52:00	YES	YES	NO	0.0
04/04/2013	04:39:00	YES	YES	NO	1.9
04/04/2013	01:10:00	YES	YES	NO	0.6
04/03/2013	01:47:00	YES	YES	NO	2.2
04/01/2013	00:31:00	YES	YES	NO	0.0
03/31/2013	11:11:00	YES	YES	NO	0.2
03/31/2013	06:13:00	YES	YES	NO	0.1
03/30/2013	06:09:00	YES	YES	NO	0.6
03/30/2013	05:40:00	YES	YES	NO	0.0
03/30/2013	03:59:00	YES	YES	NO	0.0
03/29/2013	07:17:00	YES	YES	NO	1.0
03/29/2013	00:29:00	YES	YES	NO	2.0
03/28/2013	14:51:00	YES	YES	NO	0.0
03/28/2013	10:08:00	YES	YES	NO	0.0
03/27/2013	23:42:00	YES	YES	NO	3.1
03/27/2013	21:02:00	YES	YES	NO	0.0
03/27/2013	11:25:00	YES	YES	NO	0.0
03/27/2013	06:39:00	YES	YES	NO	2.0
03/27/2013	01:54:00	NO	YES	NO	0.4
03/25/2013	02:38:00	NO	YES	NO	0.0
03/25/2013	02:32:00	NO	YES	NO	0.0
03/23/2013	04:22:00	NO	YES	NO	1.3
03/23/2013	02:22:00	NO	YES	NO	0.3
03/23/2013	02:07:00	NO	YES	NO	0.0
03/21/2013	12:41:00	NO	YES	NO	0.0
03/21/2013	12:34:00	NO	YES	NO	0.0
03/21/2013	12:02:00	NO	YES	NO	0.0
03/21/2013	11:27:00	NO	YES	NO	0.0
03/21/2013	05:12:00	NO	YES	NO	0.4
03/20/2013	16:03:00	NO	YES	NO	0.0
03/20/2013	11:34:00	NO	YES	NO	0.0

The Digital Source Collector

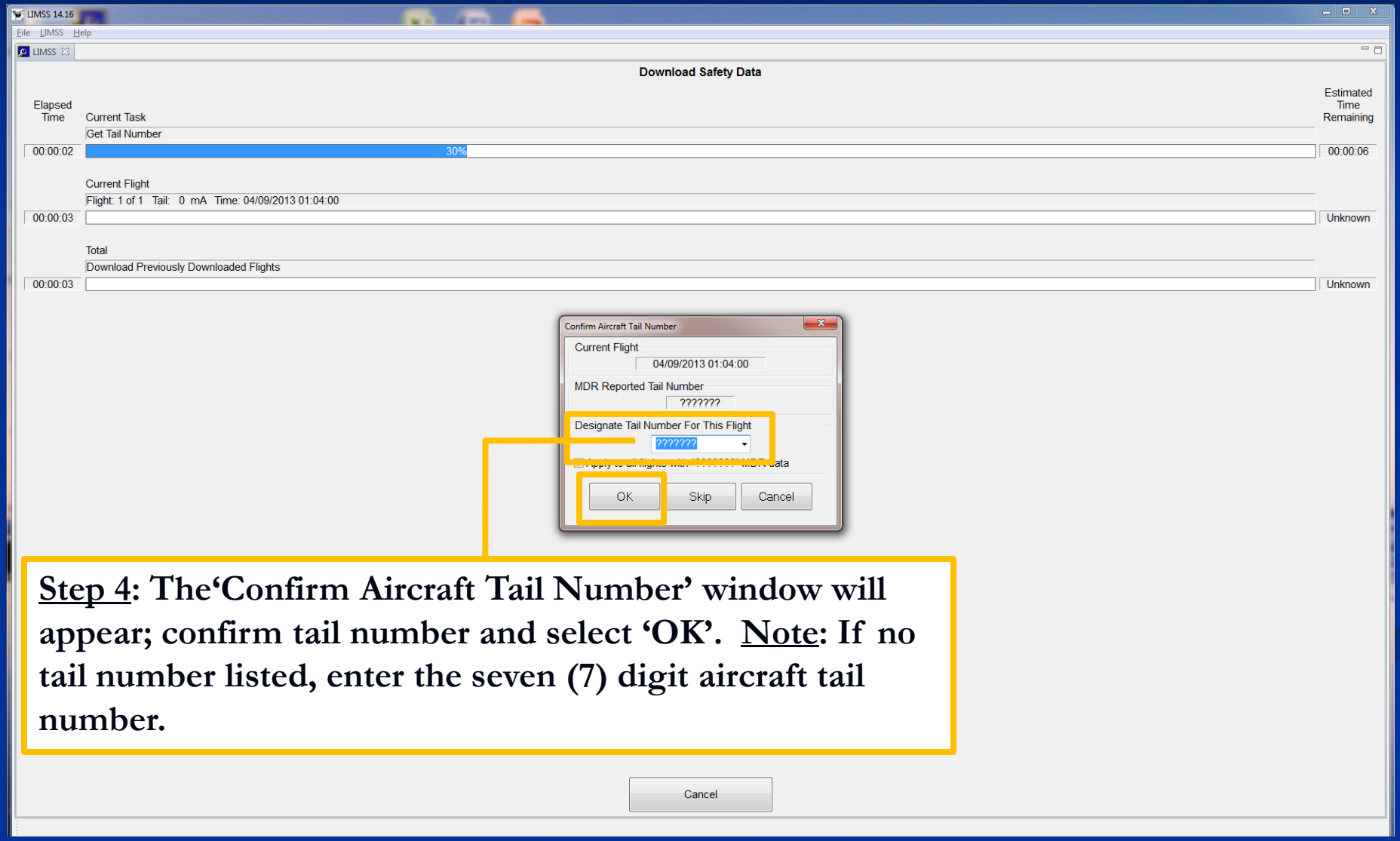
Flight Selection, Output Directory, and Download



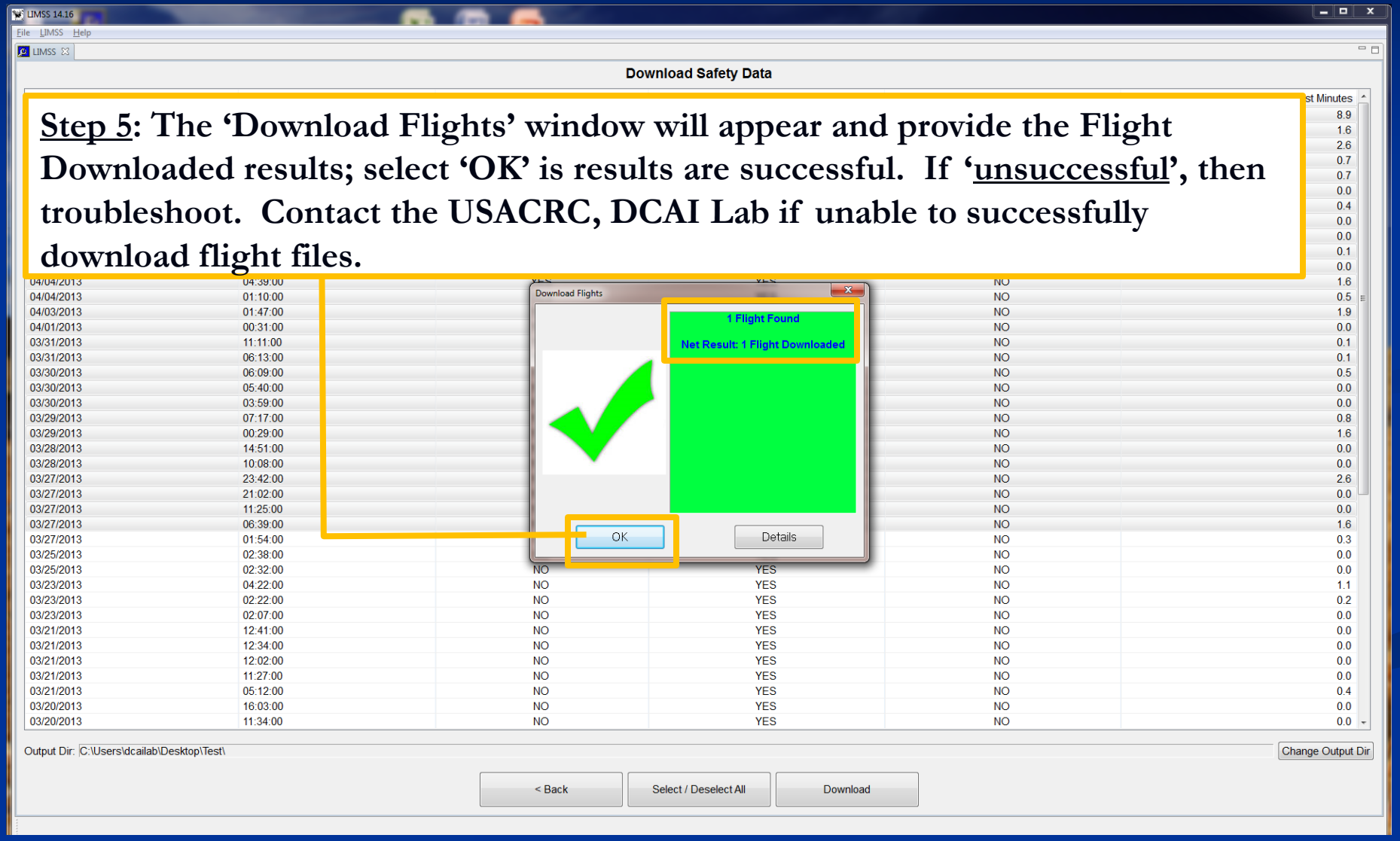
Date	Time	Maint Avail	Safety Avail	Voice Avail	Est Minutes
04/09/2013	01:04:00	YES	YES	YES	10.5
04/08/2013	01:26:00	YES	YES	NO	2.0
04/07/2013	04:15:00	YES	YES	NO	3.1
04/07/2013	00:59:00	YES	YES	NO	0.9
04/06/2013	07:50:00	YES	YES	NO	0.8
04/06/2013				NO	0.0
04/06/2013				NO	0.5
04/05/2013				NO	0.0
04/05/2013				NO	0.0
04/05/2013	06:21:00	YES	YES	NO	0.1
04/05/2013	05:52:00	YES	YES	NO	0.0
04/04/2013	04:39:00	YES	YES	NO	1.9
04/04/2013	01:10:00	YES	YES	NO	0.6
04/03/2013	01:47:00	YES	YES	NO	2.2
04/01/2013	00:31:00	YES	YES	NO	0.0
03/31/2013	11:11:00	YES	YES	NO	0.2
03/31/2013	06:13:00	YES	YES	NO	0.1
03/30/2013	06:09:00	YES	YES	NO	0.6
03/30/2013	05:40:00	YES	YES	NO	0.0
03/30/2013	03:59:00	YES	YES	NO	0.0
03/29/2013	07:17:00	YES	YES	NO	1.0
03/29/2013	00:29:00	YES	YES	NO	2.0
03/28/2013	14:51:00	YES	YES	NO	0.0
03/28/2013	10:08:00	YES	YES	NO	0.0
03/27/2013	23:42:00	YES	YES	NO	3.1
03/27/2013	21:02:00	YES	YES	NO	0.0
03/27/2013	11:25:00	YES	YES	NO	0.0
03/27/2013	06:39:00	YES	YES	NO	2.0
03/27/2013	01:54:00	NO	YES	NO	0.4
03/25/2013	02:38:00	NO	YES	NO	0.0
03/25/2013	02:32:00	NO	YES	NO	0.0
03/23/2013	04:22:00	NO			1.3
03/23/2013					0.3
03/23/2013					0.0
03/21/2013					0.0
03/21/2013					0.0
03/21/2013					0.0
03/21/2013	11:27:00	NO			0.0
03/21/2013	05:12:00	NO			0.4
03/20/2013	16:03:00	NO	YES	NO	0.0
03/20/2013	11:34:00	NO	YES	NO	0.0

The Digital Source Collector

Aircraft Tail Number



<u>Step 4</u>: The'Confirm Aircraft Tail Number' window will appear; confirm tail number and select 'OK'. <u>Note</u>: If no tail number listed, enter the seven (7) digit aircraft tail number.

The Digital Source Collector

Status of Downloaded Flight