EMERGENCY LOCATOR TRANSMITTER SYSTEM - MAINTENANCE PRACTICES

EFFECTIVITY: ALL

1.   General

A.   This section contains the procedures to program the ELT.

B.   The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
25-61-00-400-801-A	EMERGENCY LOCATOR TRANSMITTER SYSTEM (ELT SATORI) - PROGRAMMING	ALL
25-61-00-400-802-A	EMERGENCY LOCATOR TRANSMITTER SYSTEM (ARTEX C406-2) - PROGRAM-MING	ALL

TASK 25-61-00-400-801-A
EFFECTIVITY: ALL

2. <u>EMERGENCY LOCATOR TRANSMITTER SYSTEM (ELT SATORI) - PROGRAMMING</u>

    A. General

        (1) This task gives the procedures to program ELT SATORI.

        (2) After the programming, the ELT has to be correctly registered with the local authority. For registration information, refer to the COSPAS-SARSAT site.

            NOTE: For a correct registration, the 15-digit hexadecimal code of the ELT is necessary. You can calculate it with the Hexadecimal code calculator for ELT96/97 available at Air Precision web site (www.airprecision.com).

        (3) The ELT96A9800 000 004 programming tool replaces the previous versions because of obsolescence and because its production stopped. This new version was developed as an improvement of the previous version and it is designed to program the aircraft registration in the 406 Mhz beacons ELT96A/ELT97A manufactured by Air Precision.

    B. References

REFERENCE	DESIGNATION
AMM TASK 25-61-00-700-802-A/500	EMERGENCY-LOCATOR-TRANSMITTER SYSTEM (ELT SATORI) - OPERATIONAL CHECK
AMM TASK 25-61-01-000-802-A/400	EMERGENCY LOCATOR TRANSMITTER (ELT SATORI) - REMOVAL
AMM TASK 25-61-01-400-802-A/400	EMERGENCY LOCATOR TRANSMITTER (ELT SATORI) - INSTALLATION
CMM 25-61-02	-
ITEM GSE 272	PROGRAMMING TOOL

    C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
262		Center fuselage IV, Passenger cabin - RH

    D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 272	Programming Tool	To program the ELT	
Commercially available	Personal computer with USB port and Microsoft Windows 2000 or XP or 7 operating systems software	To do ELT changes registration or programming	

    E. Auxiliary Items

       Not Applicable

    F. Consumable Materials

       Not Applicable

G.   Expandable Parts

   Not Applicable

H.   Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Center fuselage IV, Passenger cabin - RH

I.   Preparation

   SUBTASK 841-002-A

   (1)   Remove ELT unit (AMM TASK 25-61-01-000-802-A/400).

   (2)   (ELT PROGRAMMING TOOL MODEL ELT96A9800 000 004) Do the installation of the ELT programming-tool software ELT96A9800 000 004-SW (ELT programmer software) as follows: (Figure 201)

      NOTE: It is recommended that you do not connect the ELT programming-tool hardware ELT96A9800 000 004 (programmer hardware) before the software installation.

      1.   Insert the ELT programmer software CD-ROM in the computer.

      2.   Use the CD-ROM "autorun" feature, on the context menu available for the CDrom.
         By default, the installation program, installs the required drivers and the software.

      3.   If the automatic execution of the CD-ROM is "disable", click with the mouse right button on the CD icon and choose "Installation (all)", or run "install_all.bat" as found on the CD-ROM root directory.

      4.   Verify if a shortcut icon is created on the personal computer and "Start" menu.
         The software shortcut is installed by default in "Programs\ELT96A9800 000004 - SW" (this directory can be changed during installation process).

   (3)   (ELT PROGRAMMING TOOL MODEL ELT96A9800 000 004) Do the ELT programmer hardware connection as follows:

      NOTE: The ELT programmer hardware use an USB B type connector. The connection must be USB 2.0 version.

      1.   Make sure that the ELT is energized.

      2.   On the ELT, put the switch on the "OFF" position.

      3.   Connect the ELT programmer hardware to ELT connector.

      4.   Connect the ELT programmer hardware to an USB-USB cable (USB B type connector).

      5.   Connect the other end of the USB-USB cable (USB A type connector) to the personal computer.

      6.   During the ELT programmer hardware installation its LED can blink.

7. Make sure that the LED on the ELT is "on". This LED will continue "on" while the programmer is connected.

8. On the personal computer, the Microsoft Windows detects the device as "ELT96A9800000004" and installs the virtual COM port drivers.

(4) (ELT PROGRAMMING TOOL MODEL ELT96A9800 000 004) If the Microsoft Windows does not detect the device, do the check of the COM (communication) port as follows:

NOTE: The procedure to access the Device Manager can vary with your Windows version.

1. On the Windows, open the Device Manager. To do this, click on the button Start, and then click on Control Panel (or Settings and then Control Panel). Click on System (or Performance and Maintenance, and then System). On the Hardware tab, click on Device Manager.

2. Double click "Ports (COM & LPT)".

3. Find the ELT96A9800000004 (ELT device) port recently detected. You will see the COM port number assigned right after the device name.
The COM port assignment to ELT device changes depending on your hardware configuration. Windows detects an unused COM port in your computer and assigns that port number to the new device.

4. Make sure you don't have any exclamation points or question marks on the ELT device. That means the driver is not correctly detected.

5. If the device is correctly detected, go to step 13. In case, of these symbols are present, follow the steps below.

6. Click with the mouse right button on the ELT device port and then click on Properties on the open menu.

7. Click on the tab "Port Settings", and then on the button "Advanced".

8. On the open window, select for example COM1 on the drop down list on COM Port Number.

9. If COM1 is already used by other device, try the next unused port number.

10. Click on the OK button for the Advanced Settings window and for Properties window.

11. Make sure you don't have any exclamation points or question marks on the ELT device.

12. In case of these symbols are present yet, that means the drive is not correctly detected and you must contact the manufacturer for more details (www.airprecision.com).

13. Close all dialog windows.

J. Programming Procedure

SUBTASK 470-002-A

(1) (ELT PROGRAMMING TOOL MODEL ELT96A9800 000 000 or ELT96A9800 000 001) Do as follows: (Figure 201)

(a) Use the interconnect cable to connect the ITEM GSE 272 to ELT unit.

(b) On the ITEM GSE 272, push the ON/OFF key to turn it ON.

• The display shows "Votre balise est une :xxELT96xx ".

NOTE: If the display shows the message "Balise non connectée", do a check of the ELT/ITEM GSE 272 connection.

(c) Push the OK key.

• The display shows the menu that follows:
"Programmation (UP)"
"Lecture (Down)"

(d) Push the UP (↑) key.

• The display shows the message: "Entrez le code pays"

NOTE: For your country code, refer to the COSPAS-SARSAT site.

(e) Use the keys to enter the country code.

NOTE: • The ↑ key increments the character.

• The ↓ key decrements the character.

• The → key moves to the next character position.

• The ← key moves to the previous character position.

(f) After the country code is completely inserted, push the OK key.

• The country code is saved and the display shows: "Entrez l'immatriculation"

(g) Repeat the procedure described in step (e) for the aircraft registration number.

(h) After the aircraft registration number is completely inserted, push the OK key.

• The aircraft registration number is saved and the display shows all memorized data.

NOTE: • If the display data is not correct, push any key to begin the programming again.

• If the display data is correct, push the ON/OFF key to turn the ITEM GSE 272 off.

(i) Disconnect the GSE 272 cable from the ELT unit.

(2)   (ELT PROGRAMMING TOOL MODEL ELT96A9800 000 004) Do as follows: (Figure 201) (Figure 202)

(a)   Start the ELT programming-tool software (programmer software).

NOTE: The programmer software has a help tab that is very useful during the programming procedure.

(b)   On the main window of the programmer software, make sure that the LED on the bottom right of the screen is "green", which shows that the COM port is active.

(c)   If the LED on the bottom right of the main window of the programmer software is not active you can configure the serial port on the ELT programming tool software as follows:

1   On the programmer software, click on "File" and select "Preferences".

2   A window named Preferences pops-up on the personal computer screen and you can choose the language ("French" or "English"), and the COM port number.

3   Click on language drop-down menu and choose the desired language.

4   On the "Preferences" window, in "Serial port" drop-down menu select the COM port number related to the ELT programmer.

NOTE: The COM port number displayed on the programmer software window must be the same that you configured on item I(4).

5   Click on "APPLY and SAVE" button to save the configuration file.

NOTE: If you click on "APPLY and CLOSE" button you do not save the configuration file, and if you click on "CANCEL" button no changes are done.

6   On the programmer software, select the "Coding" tab as shown in Figure 202.

7   Click on the magnifying glass button on the upper right side of the window to automatically the software detect the equipment connected.

8   On the "ELT detected" drop-down, after some seconds the ELT model information comes on (ex: "ELT96 amdt J / ELT97 amdt D").

9   To read the ELT registration do as follows: (Figure 202)

a   On the programmer software window, select the "READ" button.

b   The registration hexadecimal code and contents come on in the window.

10   For ELT changes registration or programming, do as follows: (Figure 202)

a   On the "Protocol" drop-down menu, select the desired protocol (ex: "User protocol-Aircraft 24 bits address").

<u>b</u>   On the "Country" drop-down, select the country code (ex: "227" for France).

<u>11</u>   On the "Hexadecimal code (15 digits) field, enter the registration code.

<u>12</u>   On the "24 bits aircraft address" field, the decoded data is updated.

<u>13</u>   On the programmer software window, click on "PROGRAM" button.

    1.   The software does a check to see if the selected equipment is correctly connected and then a confirmation prompt is shown before memory modification (ex: Are you sure that you want program the ELT with the hexadecimal code 9C6C40301C00129 (Country code 227, ELT s/n 00C07)?)

<u>14</u>   Click "Yes" to start the operation.

    1.   The modified or programmed registration code is recorded and the data are validate through a new reading.

<u>15</u>   If an error happens during the programming process, a message box comes on and you must do the steps 10 to 14 again.

<u>16</u>   Once ELT is programmed, close the software and disconnect the equipments.

K.   Follow-on

SUBTASK 842-002-A
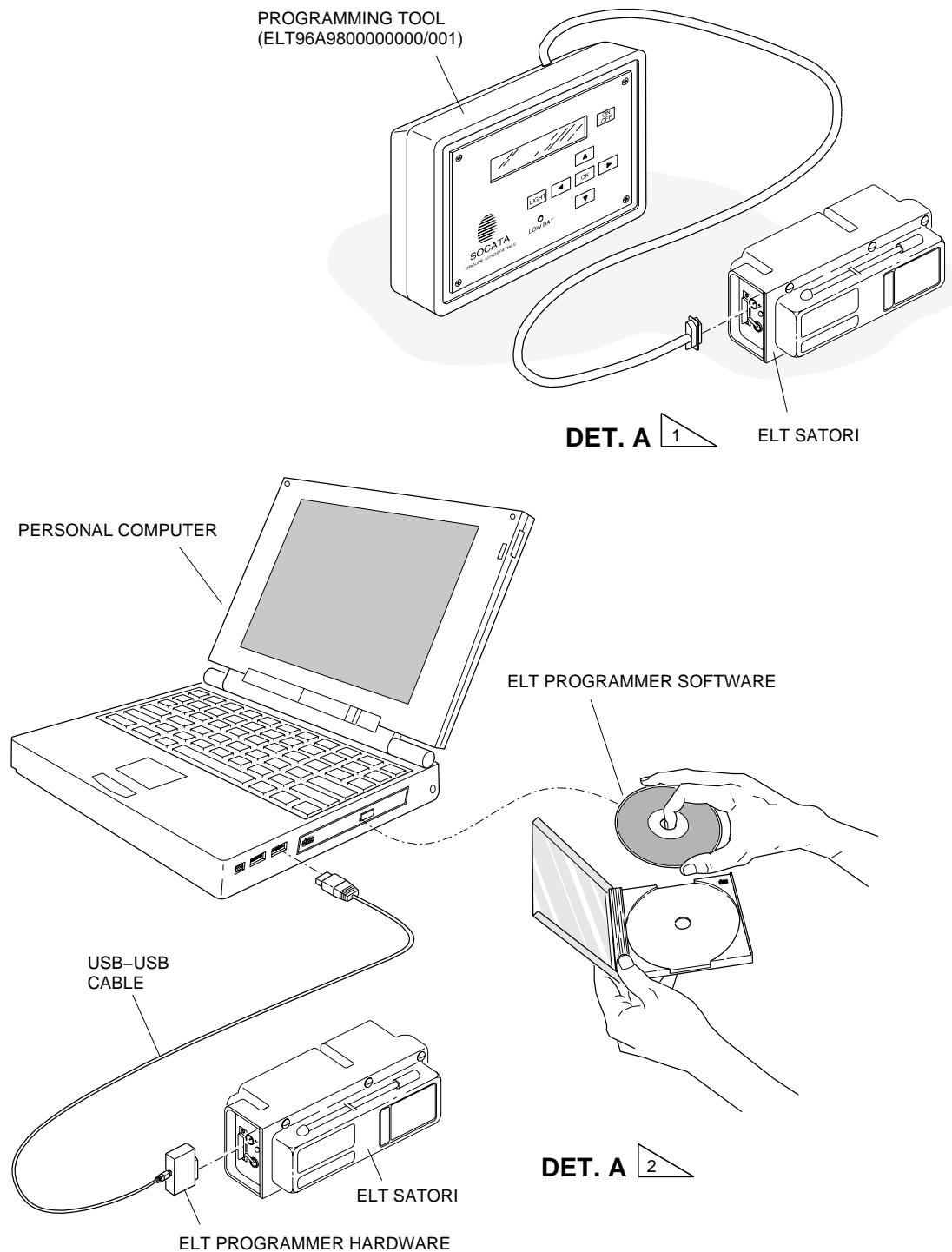
(1)   Fill the adhesive registration label of the equipment. Refer to the latest revision of Air Precision CMM 25-61-02.

    <u>NOTE:</u> The ELT must be registered correctly. For registration information, contact the local authority.

(2)   Install the ELT unit (AMM TASK 25-61-01-400-802-A/400).

(3)   Do the Emergency Locator Transmitter System (ELT SATORI) - Operational Check (AMM TASK 25-61-00-700-802-A/500).
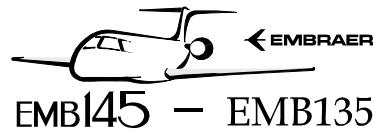
EFFECTIVITY:: ALL
Programming Tool/ELT SATORI Connection
Figure 201

PROGRAMMING TOOL
(ELT96A9800000000/001)

DET. A △1   ELT SATORI

PERSONAL COMPUTER

ELT PROGRAMMER SOFTWARE

USB–USB
CABLE

DET. A △2

ELT SATORI

ELT PROGRAMMER HARDWARE

△1 ELT96A9800 000 000 OR ELT96A9800 000 001 PROGRAMMING TOOL

△2 ELT96A9800 000 004 PROGRAMMING TOOL

EM145AMM250389B.DGN
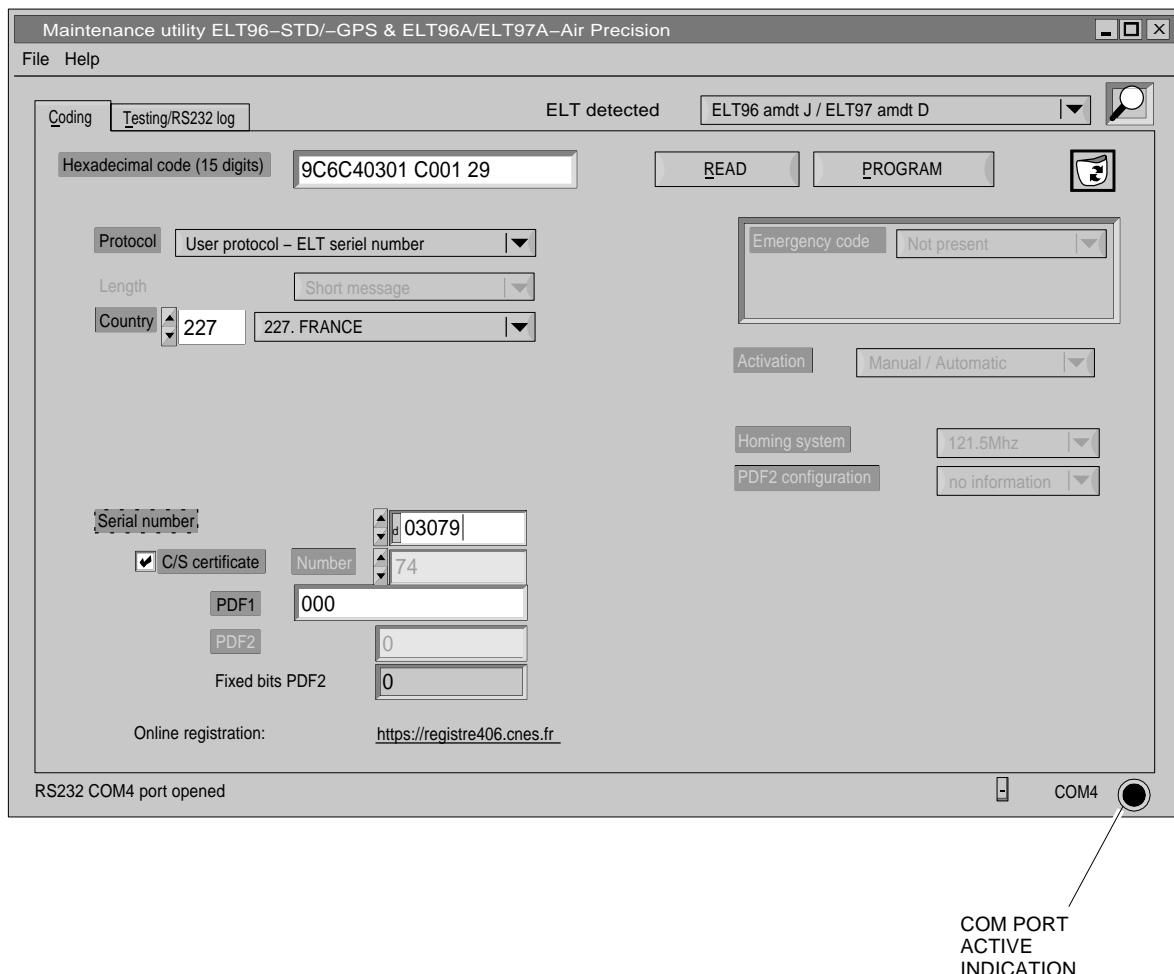
EFFECTIVITY:: ELT PROGRAMMING TOOL MODEL ELT96A9800 000 004
ELT Programming-Tool Window
Figure 202

Maintenance utility ELT96–STD/–GPS & ELT96A/ELT97A–Air Precision		

File   Help

Coding   Testing/RS232 log

ELT detected   ELT96 amdt J / ELT97 amdt D

Hexadecimal code (15 digits)   9C6C40301 C001 29

READ   PROGRAM

Protocol   User protocol – ELT seriel number

Emergency code   Not present

Length   Short message

Country   227   227. FRANCE

Activation   Manual / Automatic

Homing system   121.5Mhz
PDF2 configuration   no information

Serial number.   d 03079
☑ C/S certificate   Number   74
PDF1   000
PDF2   0
Fixed bits PDF2   0

Online registration: https://registre406.cnes.fr

RS232 COM4 port opened   COM4

COM PORT
ACTIVE
INDICATION

EM145AMM253256A.DGN

TASK 25-61-00-400-802-A
EFFECTIVITY: ALL

3. <u>EMERGENCY LOCATOR TRANSMITTER SYSTEM (ARTEX C406-2) - PROGRAMMING</u>

    A. General

        (1) This task gives the procedures to program the ELT.

        (2) If you use ITEM GSE 529 for this purpose, you do not need the ITEM GSE 452, ITEM GSE 453, and ITEM GSE 454.

            <u>NOTE:</u> If Bermuda is the country where the aircraft will be registered, you must use the ITEM GSE 529.

        (3) This task covers the ELT programming with these protocols:

            (a) Aircraft 24-bit address.

            (b) ELT Serial Number.

            (c) Aircraft Tail Number.
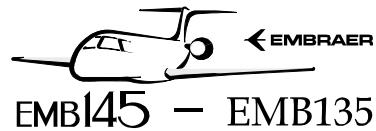
            <u>NOTE:</u> • The protocol used depends on the requirements of the country where the aircraft is registered or is at the customer's discretion.

                • If the protocol needed is not available in the programmer tool, contact the ELT manufacturer.

    B. References

REFERENCE	DESIGNATION
AMM TASK 25-61-00-700-803-A/500	EMERGENCY LOCATOR TRANSMITTER SYSTEM (ELT C406-2) - OPERATIONAL CHECK
AMM TASK 25-61-01-000-803-A/400	EMERGENCY LOCATOR TRANSMITTER (ELT C406-2) - REMOVAL
AMM TASK 25-61-01-400-803-A/400	EMERGENCY LOCATOR TRANSMITTER (ELT C406-2) - INSTALLATION
ITEM GSE 452	ARTEX FOR WINDOWS SOFTWARE PACKAGE
ITEM GSE 453	LEVEL SHIFTER
ITEM GSE 454	ELT TEST SET
ITEM GSE 529	ELT TEST SET
WM 34-90-01	-
WM 34-90-02	-
WM 34-90-03	-

    C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
262		Center fuselage IV, Passenger cabin - RH

D.   Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 452	ELT Programming Software	To program the ELT	
GSE 453	Level Shifter	To program the ELT	
GSE 454	ELT Test Set	To verify the ELT program	
GSE 529	Handheld Programmer	To program the ELT and verify the ELT program	

E.   Auxiliary Items

Not Applicable

F.   Consumable Materials

Not Applicable

G.   Expandable Parts

Not Applicable

H.   Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Center fuselage IV, Passenger cabin - RH

I.   Preparation

SUBTASK 841-003-A

(1)   Remove the ARTEX C406-2 ELT (AMM TASK 25-61-01-000-803-A/400).

J.   Programming Procedure using Level Shifter (GSE 453) (Figure 203) (Figure 204)

SUBTASK 470-003-A

NOTE: The ELT unit is already factory-programmed to work with the ELT serial number, but, if you install an unit different from that you removed from the aircraft, a new registration is necessary. For registration information, contact local authority.

(1)   Do the programming of the ELT as follows:

(a)   Connect the level shifter (ITEM GSE 453) to the PC COM port.

(b)   Artex software (ITEM GSE 452) must be installed on the PC.

NOTE: To install Artex software , put the CD-ROM (ITEM GSE 452) into the drive. From the Start menu, click on "Run" and use the browser to select CD "setup" (ITEM GSE 452). Obey the on-screen instructions. The Artex icon will be put on your computer desktop.

(c)   Connect the level shifter (ITEM GSE 453) to the ELT.

(d)   On the level shifter (ITEM GSE 453), set the ON/OFF switch to ON.

NOTE: Make sure that the red LED on the level shifter switch comes on.

(e)   Click on the Artex icon to start the program.

(f)   Select COM port from the main menu. Make sure that there are no COM port conflicts.

NOTE: We recommend you to set the 9600-baud velocity.

(g)   Make sure that "Frame Sync" is set to "Normal Frame Sync".

(h)   For ELT programming with Aircraft 24-bit Address, proceed as follows:

NOTE: The 24-bit address is the Mode-S Transponder code that each aircraft has. Refer to the Wiring Manual (WM 34-90-01 or WM 34-90-02 or WM 34-90-03 as applicable to the related aircraft serial number). If you do not have the 24-bit address code, contact the authority of the country in which the aircraft is registered to give you the 24-bit address code.

1.   On the "Protocol Type" field, select the "Standard Location - ELT 24-Bit Address (Long)" option.

2.   On the "24 Bit A/C Address" field, select the "Hex" option.

3.   Enter the aircraft 24-bit address in the hex code and click on "Enter".

4.   The 15-digit hex code is shown and the "Country Code" field shows the country the ELT is programmed for.

(i)   For ELT programming with ELT Serial Number, proceed as follows:

1.   On the "Protocol Type" field, select "Standard Location - ELT Serial (Long)" option.

2.   On the "Country Code" field, select the country in which the ELT is registered.

3.   On the "ELT Serial Number" field, on "Cospas Cert#" field, enter the type approval number. You can find the type approval number on serial number field located on the ELT label. The number is composed of the first three numbers of the S/N, it can be either 112 or 170.

4.   On the "ELT Serial Number" field, on "Serial Number" field, enter the serial number of the ELT (last 5 digits).

5.   Click on "Enter". The ELT message fields are completed.

(j)   For ELT programming with Aircraft Tail Number, proceed as follows:

1.   On the "Protocol Type" field, select "Aviation User - Tail Number (Short)" option.

2.   On the "Country Code" field, select the country in which the ELT is registered.

3.   On the "Aircraft Tail Number" field, enter the aircraft tail number.

4.   Click on "Enter". The ELT message fields are completed.

(k)   Record the 15-digit hex code.

(l)   Click on "WRITE ELT" to program the ELT.

NOTE: Note that the programming window will open to show that the ELT is programmed. Close when it is done.

(m) Click on "Print" to print the hex code shown on the main screen.

NOTE: • Click on "Print BCN" to print the code messages.

• You must keep the printout with the encoded data.

(n) On the level shifter (ITEM GSE 453), set the ON/OFF switch to OFF.

NOTE: Make sure that the red LED on the level shifter switch goes off.

(o) Disconnect the level shifter (ITEM GSE 453) from the ELT.

(p) Disconnect the level shifter (ITEM GSE 453) from the PC COM port.

(2) Make sure that the ELT was correctly programmed as follows:

(a) Connect the 50Ω coaxial termination to the BNC connector input of the ELT unit.

(b) Connect the ELT to the ELT test set (ITEM GSE 454).

(c) Turn on the ELT test set (ITEM GSE 454).

(d) On the ELT test set (ITEM GSE 454), select the "Sarcalc" icon.

(e) Select "Measure" from the "Avionics Tools" menu.

NOTE: The screen will display "Waiting for Data".

(f) Set the ON/OFF switch of the ELT to ON and, after approximately 3 seconds, set it to OFF.

NOTE: If the received data is invalid, then "Message Error!" will be displayed. Do the ELT test again if necessary.

(g) When a valid message is received, all encoded data are displayed.

NOTE: If one of the displayed data is wrong, do the programming procedure again.
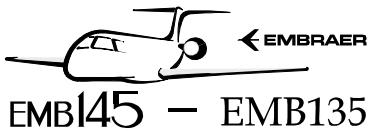
(h) Make sure that the data that shows on the ELT test set screen agrees with the data that you used to program the ELT.

(i) Turn the ELT test set (ITEM GSE 454) off.

(j) Disconnect the ELT from the ELT test set (ITEM GSE 454).

(k) Disconnect the 50Ω coaxial termination from the BNC connector input of the ELT unit.

K. Programming Procedure using Handheld Programmer (GSE 529) (Figure 204) (Figure 205)

SUBTASK 470-004-A

NOTE: The ELT unit is already factory-programmed to work with the ELT serial number, but, if you install an unit different from that you removed from the aircraft, a new registration is necessary. For registration information, contact local authority.

(1) Do the programming of the ELT as follows:

(a) Connect the PN 611-0110 cable (2) to the ELT (1) and to the Handheld Programmer (ITEM GSE 529) (3).

NOTE: Do not twist the electrical connector that attaches the cable to the Handheld Programmer.

(b) Make sure that the ELT switch is set to OFF.

(c) Turn on the ITEM GSE 529.

NOTE: Use only the stylus pen to operate the Handheld Programmer.

(d) On the Handheld Programmer screen, select the "ARTEX" icon.

NOTE: Make sure that the ELT programming software version is updated.

(e) On the Handheld Programmer screen, select the "Program" icon.

(f) Click the ELT model and select the "C406 Series" option.

(g) Select the "C406-2 453 5000" ELT model.

(h) For ELT programming with Aircraft 24-bit Address, proceed as follows:

NOTE: The 24-bit address is the Mode-S Transponder code that each aircraft has. Refer to the Wiring Manual (WM 34-90-01 or WM 34-90-02 or WM 34-90-03 as applicable to the related aircraft serial number). If you do not have the 24-bit address code, contact the authority of the country in which the aircraft is registered to give you the 24-bit address code.

1. Set the ELT protocol to "Std Loc/Aircraft 24-Bit Addr (L)" option.

2. Change the "OCTAL address" to "HEX address".

3. Type the Hex address and select "Done".

4. Enter "0" in the "Additional Elt" field.

5. Select "ENTER" and the 32 digit hex code is shown at the bottom the screen with the abbreviated 15 digit hex code below it.

(i) For ELT programming with ELT Serial Number, proceed as follows:

1. Set the ELT protocol to "Std Location/Elt Serial (L)" option.

2. Select the Country Code in which the ELT is registered.

3. On the "Serial Number" field, enter the serial number of the ELT (last 5 digits) and select "Done".

4. On the "Cospas Sarsat No." field, enter the type approval number. You can find the type approval number on serial number field located on the ELT label. The number is composed of the first three numbers of the S/N, it can be either 112 or 170.

5. Select "ENTER" and the 32digit hex code is shown at the bottom the screen with the abbreviated 15 digit hex code below it.

(j) For ELT programming with Aircraft Tail Number, proceed as follows:

1. Set the ELT protocol to "Aviation User/Tail No. (S)" option.

2. Select the Country Code in which the ELT is registered.

3. On the "Tail No." field, enter the tail number of the aircraft.

4. Select "ENTER" and the 24 digit hex code is shown at the bottom the screen with the abbreviated 15 digit hex code below it.

(k) Record the 15-digit hex code.

(l) Select "Program" option.

NOTE: Make sure that the "Programming Successful" message comes into view.

(m) Select "Return" option.

(n) Select "Done" option.

(o) Select "Read" option and on the drop-down list, select "Read ELT" option.

(p) Make sure that the HEX ID data that shows on the screen agrees with the HEX ID data you used to program the ELT.

(q) Select "Done" option.

(r) Turn off the Handheld Programmer.

(s) Disconnect the cable from the ELT and from the Handheld Programmer.

(2) Make sure that the ELT was correctly programmed as follows:

(a) Connect the 50Ω coaxial termination to the BNC connector input of the ELT unit.

(b) Connect the ELT to the Handheld Programmer with a coax cable, refer to .

(c) Turn on the Handhel Programmerd.

(d) On the Handheld Programmer, select the "Sarcalc" icon.

NOTE: The location of the "Sarcalc" icon can change depending on what other programs or applications are installed in the Handheld Programmer.

(e) On the "Avionics Tools" screen, select the "Prefs" option.

(f) Set the hexadecimal format, select the "Hex" option in the "ICAO Format" field.

(g)   Select "Measure" from the "Avionics Tools" menu.

NOTE: The screen will display "Waiting for Data".

(h)   Set the ON/OFF switch of the ELT to ON and, after approximately 3 seconds, set it to OFF.

NOTE: If the received data is invalid, then "Message Error!" will be displayed. Do the ELT test again if necessary.

(i)   When a valid message is received, all encoded data are displayed.

NOTE: If one of the displayed data is wrong, do the programming procedure again.

(j)   Make sure that the data that shows on the ELT test set screen agrees with the data that you used to program the ELT.

(k)   Turn the Handheld Programmer off.

(l)   Disconnect the cable from the ELT and from the Handheld Programmer.

(m)   Disconnect the 50Ω coaxial termination from the BNC connector input of the ELT unit.

L.   Follow-on
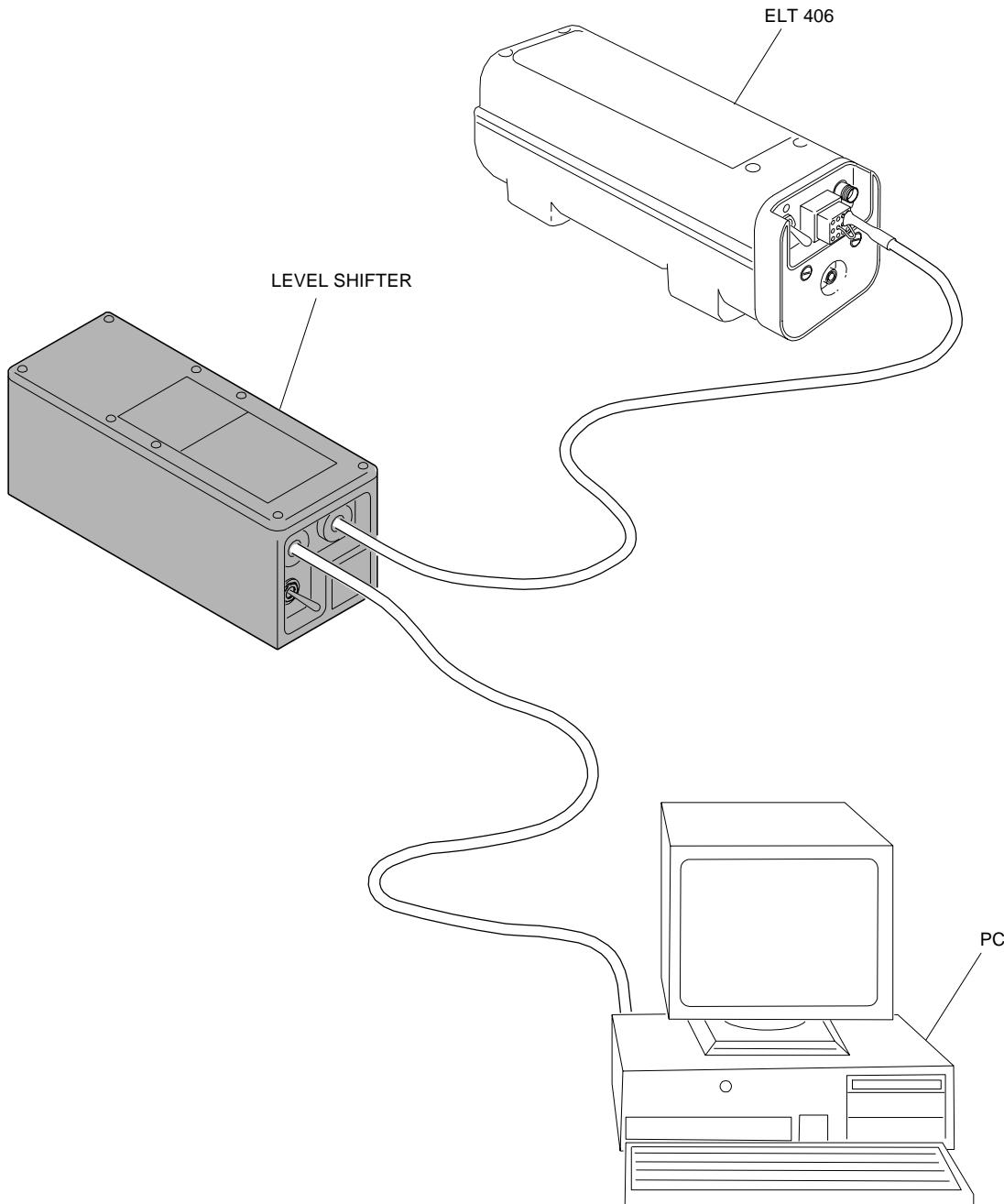
SUBTASK 842-003-A

(1)   Write the new 15-digit hex code in the related field on the ELT label.

NOTE: •   To record the ELT, remove the old 15-digit hex code from the label before you write the new one.

        •   The ELT must be registered correctly. For registration information, contact the local authority.

(2)   Install the ARTEX C406-2 ELT back (AMM TASK 25-61-01-400-803-A/400).

(3)   Do the Emergency Locator Transmitter System (ARTEX C406-2) - Operational Check (AMM TASK 25-61-00-700-803-A/500).

EFFECTIVITY:: ALL
Programming Tool/ELT ARTEX C406-2 Connection (Level Shifter - GSE 453)
Figure 203
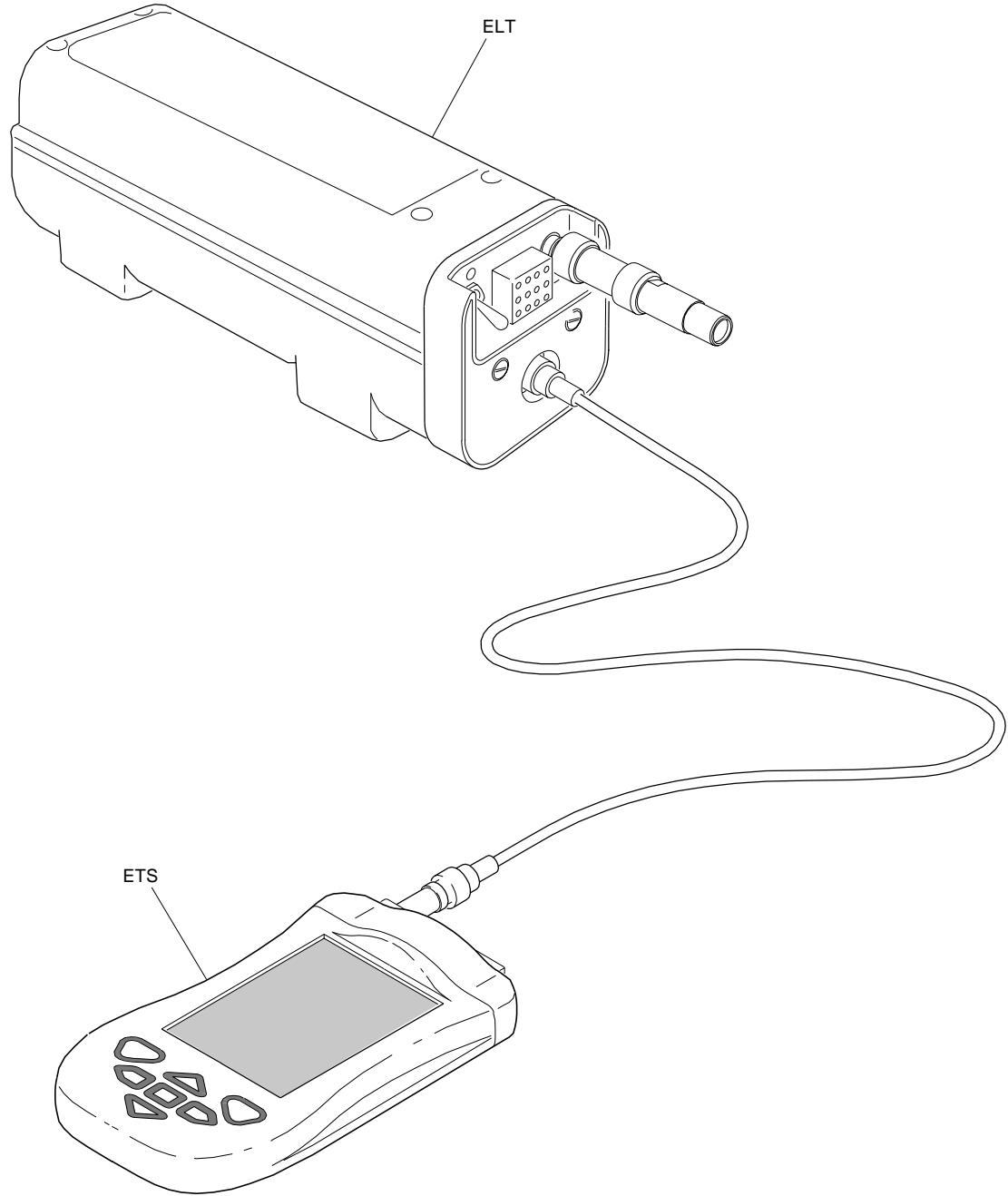
EM145AMM252759A.DGN

EFFECTIVITY:: ALL

ELT Program Verification (ELT Test Set - GSE 454 or Handheld Programmer - GSE 529)
Figure 204

ELT

ETS
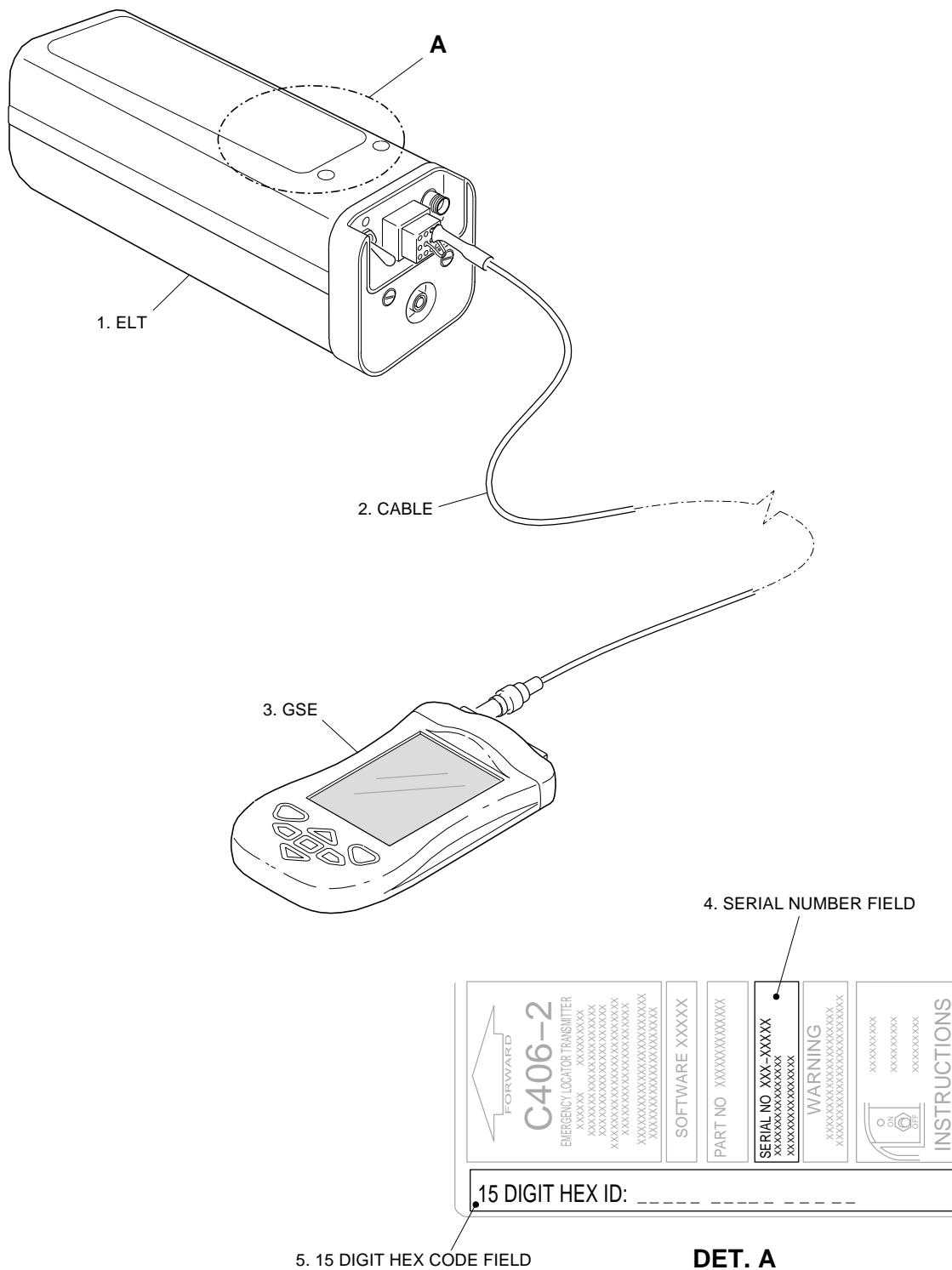
EM145AMM252765A.DGN

EFFECTIVITY:: ALL
Programming Tool/ELT ARTEX C406-2 Connection (Handheld Programmer - GSE 529)
Figure 205

1. ELT

2. CABLE

3. GSE

4. SERIAL NUMBER FIELD

C406-2
EMERGENCY LOCATOR TRANSMITTER
SOFTWARE XXXXX
PART NO XXXXXXXXXXX
SERIAL NO XXX–XXXXX
WARNING
INSTRUCTIONS

15 DIGIT HEX ID: _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

5. 15 DIGIT HEX CODE FIELD

DET. A

EM145AMM253130A.DGN