1 Introduction

This publication details replacement of the battery (B12454) fitted to the processor board of the SM500F Paperless recorder. The procedure must be carried out by a trained technician.

Tools required
- T8 Torx driver

2 For more information

Further information is available from: www.abb.com/recorders

or by scanning these codes:

Sales  Service

3 Safety

**IMPORTANT NOTE**

Dispose of the old components as detailed in the instruction manual (IM/SM500F).
4 Replacing the battery

CAUTION – Property damage
The recorder is vulnerable to electrostatic damage. Wear an anti-static strap or place the instrument on an anti-static workbench.

1. Isolate the recorder from the power supply.
2. Unlock the door with the key (if required), press release catch and open the door.
3. Use a T8 Torx driver to remove 6 Torx screws securing the door assembly rear cover and remove the rear cover.
4. Disconnect processor board flexi-cable, display flexi-cable keypad membrane cable and inverter cable (if fitted) from the processor board. Lift out and discard the processor board.
5. Turn the processor board over.
6. Remove battery and insert replacement.
7. Position the processor board in the door housing and reconnect inverter cable (color recorders only – if fitted) keypad membrane cable, display flexi-cable and processor board flexi-cable.
8. Refit the door assembly rear cover and use a T8 Torx driver to secure 6 Torx screws.
9. Close and lock the door.
10. Restore the recorder’s power supply.
5 Setting the time and date

1. Enter the Configuration level of the SM500F.

2. Enter password (if required) and select Edit current configuration.

3. Select the Common configuration parameter:
   The Common Configuration menu is displayed:

4. Use the arrows to highlight the Time tab:

5. Press the key to select the Date and time parameter.
   A warning dialog is displayed:

   **Important note**
   Changing the time will force recording to be disabled and can erase data.

6. Press .
   The Date and time menu is displayed:

7. Set the required time and date.
8. Once finished, press and exit and save the configuration as normal.

   **Important note**
   Once the battery has been removed, the battery failed icon is displayed on the front panel of the unit. To restore normal operation, the correct time and date must be set.

   **Important note**
   Changing the time will potentially cause loss of data. Ensure that all data archiving is up to date before proceeding.