The information and instructions contained in this document have been produced in accordance with Alternative Procedure to DOA EASA AP058.

KANNAD EMERGENCY LOCATOR TRANSMITTERS (ELTs)

MAINTENANCE / AFTERMARKET POLICY FOR KANNAD ELTs

1. REASON

This document provides a summary of service items which may be performed on the listed ELTs.

Effective 1st of January 2018, the following policy applies to Kannad ELT service and maintenance.

This Service Letter cancels SL S182X502-25-02, Maintenance Policy for S182X502-XX ELTs and all previous revisions of SL S18XX50X-25-02, Maintenance Policy for Kannad ELTs.

2. EFFECTIVITY

This Service Letter is applicable to the following ELTs manufactured by OROLIA.

KANNAD 406 AP	S1820502-01/-02	STANDARD ELTs
KANNAD 406 AP-H	S1820502-04	
KANNAD 406 AF	S1821502-01/-02	
KANNAD 406 AF (6D)	S1821502-06	
KANNAD 406 AF-H	S1822502-01/-02	
KANNAD 406 AS	S1823502-01/-02	
KANNAD 406 AS-TNC	S1823502-03	
KANNAD 406 SURVIVAL	S1823502-05	
KANNAD 121 AF	S1824502-01/-02	
KANNAD 121 AF-H	S1826502-02	
KANNAD 406 AF-COMPACT	S1840501-01	COMPACT ELTs
KANNAD 406 AF-COMPACT (ER)	S1840501-02	
ELT AP INTEGRA (ER)	S1850501-01	INTEGRA ELTs
ELT AF INTEGRA (ER)	S1851501-01	
ELT AF-H INTEGRA (ER)	S1852501-01	
ELT AP-H INTEGRA (ER)	S1854501-01	
ELT AP INTEGRA	S1850501-02	
ELT AF INTEGRA	S1851501-02	
ELT AF-H INTEGRA	S1852501-02	
ELT AP-H INTEGRA	S1854501-02	
ELT AP INTEGRA (ER-N)	S1850501-03	
ELT AF INTEGRA (ER-N)	S1851501-03	
ELT AF-H INTEGRA (ER-N)	S1852501-03	
ELT AP-H INTEGRA (ER-N)	S1854501-03	

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3. ACCOMPLISHMENT INSTRUCTIONS

A. PROGRAMMING

(1) Equipment

- PR600 programming device: required (**NOTE:** PR550 programming device is no longer supported.).
- PC with Windows XP minimum and Internet connection: required
- Kannad e-Prog software: required.

(2) Training

Self-training from the Kannad ELT commissioning training document included with the PR600 programming device.

(3) Documentation

The PR600 is delivered with instructions to download the Kannad ELT commissioning training document, and instructions to download e-Prog software.

(4) Procurement

PR600 programming kit, P/N 1201570, available from Kannad Aviation distributors.

B. INSTALLATION / COMMISSIONING

(1) Equipment

- 121.5MHz receiver: optional.
- Cospas-Sarsat beacon tester (BT100, BT200 IFR4000 Opt 1, …): optional.
- SWR meter (Procom SWR3000, IFR4000, …): optional.

(2) Training

No training required from the manufacturer.

(3) Documentation

Installation Operation Manual: required.

NOTE : Additional post-installation tests may be required by your national authorities: in this case refer to your national regulation.

C. PERIODIC INSPECTION

The only check required by the manufacturer is the periodic self-test as described in the Installation/Operation manual.

However, a periodic inspection may be required by your national authorities: in this case refer to Service Letter "SL S18XX502-25-12 Periodic Inspection" (for standard ELTs) or Service Letter "SL S1840501-25-05 Periodic Inspection" (for COMPACT ELTs and INTEGRA ELTs).

D. <u>BATTERY REPLACEMENT</u>

(1) Equipment

- BT100AVtriple or BT200-1100 Series or Aeroflex IFR4000 option 1: required.
- Torque driver: required.
- Micro-ammeter: required.
- PR600 programming device: required

(2) Training

No training required from the manufacturer.

(3) Certification

Part 145 or FAR 145 certifications (or equivalent agreement according to local regulations): required.

NOTE: The service provider must hold Orolia SAS approval as a Kannad Approved Operator or Kannad Approved Battery Replacement Center.

(4) Documentation

Level 2 CMM 25-63-05 (for standard ELTs), Level 2 CMM 25-63-07 (for COMPACT ELTs), Level 2 CMM 25-63-08 (for INTEGRA ELTs) latest release: required.

NOTE: The Level 2 CMMs are provided only to Kannad Approved Battery Replacement Centers.

E. <u>REPAIR</u>

If failures are found during self-test, periodic inspection or battery replacement, the ELT must be repaired by the manufacturer or by a Kannad Approved Repair & Warranty Center (see list on Where to Buy/Service page of the McMurdo Group website at https://www.mcmurdogroup.com/where-to-buy/).

NOTE: The Level 3 CMMs are provided only to Kannad Approved Repair & Warranty Centers.

4. FAQ PROGRAMMING

Where can I find a Kannad ELT programming facility?

All Kannad distributors are approved for ELT programming. The list of Kannad distributors is available on https://www.mcmurdogroup.com/where-to-buy/

How do I become a Kannad ELT Programmer?

- Order a PR600 programming kit (P/N 1201570) from a Kannad Aviation distributor
- Create your account and register your PR600 with Kannad Customer Service as described in the instructions included in the PR600 package.
- Download the Kannad ELT commissioning training document.
- After activation of your account by Kannad Customer Service, you'll be able to download and install the programming software.

5. FAQ BATTERY REPLACEMENT

Why can't I obtain a Level 2 CMM free of charge as before?

In order to provide improved service quality for Kannad customers, Orolia has decided to restrict distribution of some maintenance documents to Orolia qualified and approved partners. Level 2 CMMs will be provided only to Kannad Approved Battery Replacement Centers.

I used to perform battery replacement, following the previous Kannad ELT Maintenance Policy. Why can't I continue to do it with the level 2 CMM that I downloaded a few month ago?

Level 2 CMMs are no longer available for download on our website. An index of current revisions will let you know if your Level 2 CMM can still be used.

Why should I have my ELT battery replaced by a Kannad Approved Battery Replacement Center?

As well as opening the ELT, and replacing the battery, the full ELT battery replacement process includes complete testing of the ELT's performance, ensuring that your ELT will perform as expected until the next scheduled maintenance operation.

What is a Kannad Approved Battery Replacement Center?

A Kannad Approved Battery Replacement Center (BRC) has a formal approval delivered by Orolia. BRCs are regularly audited by Orolia to confirm their capability to fulfill our requirements. This means Orolia can guarantee that your ELT is overhauled by technicians using appropriate test equipment, and following current maintenance instructions.

What happens if a fault is found on the ELT by a Kannad Approved BRC during a battery replacement operation?

A Kannad Approved BRC is NOT a repair center. The repair of a Kannad ELT can only be performed by a Kannad Approved Repair & Warranty Center. Note that Kannad Approved Repair & Warranty Centers are approved for battery replacement.

6. FAQ REPAIR

What do you call "repair"?

A repair is any unscheduled maintenance operation carried out as a result of a fault found during self-test, inspection, or battery replacement. The replacement of any mechanical part, other than a battery replacement kit, is a repair. Re-coding an ELT or replacing the ELT battery is not a repair.

What is a Kannad Approved Repair & Warranty Center?

A Kannad Approved Repair & Warranty Center has a formal approval delivered by Orolia following product training. Its technicians are regularly trained by Orolia to perform all authorized repairs, including operations on the PCB board. When applicable, a Kannad Approved Repair & Warranty Centre will handle the warranty of your Kannad ELT on behalf of Orolia.

My company holds a Kannad Level 3 CMM / My aircraft was delivered with a Kannad Level 3 CMM. Can I perform repairs on my own ELT based on this CMM?

No. Some Level 3 CMMs are distributed to aircraft manufacturers for information only. Having a Level 3 CMM is not sufficient to carry out Level 3 maintenance. To be approved by Orolia for Kannad ELT repair requires specific product training provided by Orolia.

7. CONTACT

For further information, refer to the Support page on the McMurdo Group website:
http://www.mcmurdogroup.com/contact/support/aviation-products/

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