

EASA	NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE
	PAD No.: 14-078 Date: 13 May 2014 Note: This Proposed Airworthiness Directive (PAD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.
In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below. All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation closing date indicated.	
Design Approval Holder's Name: OROLIA S.A.S.	Type/Model designation(s): KANNAD 406 Emergency Locator Transmitter
ETSO Authorisation: EASA.21O.1098 Rev A	
Foreign AD:	Not applicable
Supersedure:	None
ATA 25	Equipment / Furnishings – Emergency Locator Transmitter – Modification
Manufacturer(s):	Orolia S.A.S. (formerly Kannad S.A.S., Serpe-IESM)
Applicability:	KANNAD Emergency Locator Transmitter (ELT) - 406 AF Part Number (P/N) S1821502-02 Amdt N, - 406 AS P/N S1823502-03 Amdt M and - 406 Survival P/N S1823502-05 Amdt J, all serial numbers (S/N) listed in Appendix 1 of this AD. These ELT are known to be installed on, but not limited to, the following aeroplanes: - Airbus A318, A319, A320, A321, A330, A340 - Boeing 737, 777 - Bombardier Inc. DHC-8-401, DHC-8-402 - Embraer S.A. EMB-500, EMB-505, - JSC Sukhoi Civil Aircraft RRJ-95B - Pilatus PC 7 MkII, PC 9(M), PC 12, PC-21
Reason:	During the installation phase of KANNAD 406 ELTs on aeroplanes, two ELTs were found inoperative as the red LED remained unlit when switching to ARM/TEST or ON. Investigation revealed that one metallic tape, connecting the ELT wire to the positive polarity of a cell of the battery pack (P/N S1820506-01), was unsoldered due to a manufacturing defect. This condition, if not detected and corrected, would result in an ELT without power supply, thereby preventing proper transmitting in case of an accident.

	Prompted by these findings, Orolia have identified the ELT units affected by this manufacturing defect and issued Service Bulletin (SB) S182X502-25-02 providing instructions for modification. For the reason described above, this AD requires modification of the affected ELTs by replacing the battery pack P/N S1820506-01 and soldering the metallic tape.
Effective Date:	[TBD: 14 days after final AD issue date]
Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) Within 2 months after the effective date of this AD, for each ELT identified by S/N in Appendix 1 of this AD, replace the battery pack with a new battery pack P/N S1820506-01 and solder the metallic tape in accordance with the instructions of Orolia SB S182X502-25-02. (2) From the effective date of this AD, installation of an ELT having a S/N as listed in Appendix 1 of this AD is allowed, provided that, prior to installation, the ELT has been modified in accordance with the instructions of Orolia SB S182X502-25-02.
Ref. Publications:	Orolia SB S182X502-25-02 original issue dated 14 April 2014. The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.
Remarks:	1. This Proposed AD will be closed for consultation on 10 June 2014. 2. Enquiries regarding this PAD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: ADs@easa.europa.eu. 3. For any question concerning the technical content of the requirements in this PAD, please contact: Orolia S.A.S., Village du Hirgoat, Z.I. Des Cinq Chemins, 56520 Guidel, France E-mail: support.sar@orolia.com.

Appendix 1: Affected ELT Serial Numbers (S/N)

S/N	P/N	AMDT
LX1100084108	S1821502-02	N
LX1100084116	S1821502-02	N
LX1100084125	S1821502-02	N
LX1100084129	S1821502-02	N
LX1100084091	S1821502-02	N
LX1100084098	S1821502-02	N
LX1100084099	S1821502-02	N
LX1100084105	S1821502-02	N
LX1100084111	S1821502-02	N
LX1100084117	S1821502-02	N
LX1100084122	S1821502-02	N
LX1100084124	S1821502-02	N
LX1100084127	S1821502-02	N
LX1100091509	S1821502-02	N
LX1100084103	S1821502-02	N
LX1100084085	S1821502-02	N
LX1100084088	S1821502-02	N
LX1100084094	S1821502-02	N
LX1100084095	S1821502-02	N
LX1100084096	S1821502-02	N
LX1100084102	S1821502-02	N
LX1100084104	S1821502-02	N
LX1100084107	S1821502-02	N
LX1100084110	S1821502-02	N
LX1100084114	S1821502-02	N
LX1100084121	S1821502-02	N
LX1100083794	S1821502-02	N
LX1100083795	S1821502-02	N
LX1100083797	S1821502-02	N
LX1100083806	S1821502-02	N
LX1100083807	S1821502-02	N
LX1100083810	S1821502-02	N
LX1100083811	S1821502-02	N
LX1100083818	S1821502-02	N
LX1100084075	S1821502-02	N
LX1100084077	S1821502-02	N
LX1100084078	S1821502-02	N
LX1100084079	S1821502-02	N
LX1100084080	S1821502-02	N
LX1100084081	S1821502-02	N
LX1100084083	S1821502-02	N

S/N	P/N	AMDT
LX1100084084	S1821502-02	N
LX1100084086	S1821502-02	N
LX1100084087	S1821502-02	N
LX1100084090	S1821502-02	N
LX1100084092	S1821502-02	N
LX1100084093	S1821502-02	N
LX1100084097	S1821502-02	N
LX1100084100	S1821502-02	N
LX1100084106	S1821502-02	N
LX1100084112	S1821502-02	N
LX1100084113	S1821502-02	N
LX1100084115	S1821502-02	N
LX1100084118	S1821502-02	N
LX1100084119	S1821502-02	N
LX1100084120	S1821502-02	N
LX1100084126	S1821502-02	N
LX1100084128	S1821502-02	N
LX1100084130	S1821502-02	N
LX1100086176	S1821502-02	N
LX1100084076	S1821502-02	N
LX1100084101	S1821502-02	N
LX1100084123	S1821502-02	N
LX1100084523	S1823502-03	M
LX1100084527	S1823502-03	M
LX1100084535	S1823502-03	M
LX1100084565	S1823502-03	M
LX1100084514	S1823502-03	M
LX1100084518	S1823502-03	M
LX1100084528	S1823502-03	M
LX1100084533	S1823502-03	M
LX1100084549	S1823502-03	M
LX1100084569	S1823502-03	M
LX1100086070	S1823502-03	M
LX1100086071	S1823502-03	M
LX1100086073	S1823502-03	M
LX1100086085	S1823502-03	M
LX1100086089	S1823502-03	M
LX1100086090	S1823502-03	M
LX1100086111	S1823502-03	M
LX1100086114	S1823502-03	M
LX1100086115	S1823502-03	M

S/N	P/N	AMDT
LX1100086118	S1823502-03	M
LX1100086121	S1823502-03	M
LX1100086123	S1823502-03	M
LX1100086126	S1823502-03	M
LX1100086132	S1823502-03	M
LX1100086135	S1823502-03	M
LX1100086142	S1823502-03	M
LX1100086147	S1823502-03	M
LX1100086150	S1823502-03	M
LX1100086153	S1823502-03	M
LX1100086155	S1823502-03	M
LX1100084568	S1823502-03	M
LX1100086080	S1823502-03	M
LX1100086081	S1823502-03	M
LX1100086082	S1823502-03	M
LX1100086083	S1823502-03	M
LX1100086092	S1823502-03	M
LX1100086097	S1823502-03	M
LX1100086105	S1823502-03	M
LX1100086117	S1823502-03	M
LX1100086122	S1823502-03	M
LX1100086133	S1823502-03	M
LX1100086141	S1823502-03	M
LX1100086144	S1823502-03	M
LX1100087872	S1823502-03	M
LX1100084519	S1823502-03	M
LX1100084520	S1823502-03	M
LX1100084524	S1823502-03	M
LX1100084536	S1823502-03	M
LX1100084538	S1823502-03	M
LX1100084539	S1823502-03	M
LX1100084541	S1823502-03	M
LX1100084546	S1823502-03	M
LX1100084552	S1823502-03	M
LX1100084553	S1823502-03	M
LX1100084558	S1823502-03	M
LX1100084560	S1823502-03	M
LX1100084566	S1823502-03	M
LX1100084563	S1823502-03	M
LX1100086086	S1823502-03	M
LX1100086087	S1823502-03	M
LX1100086094	S1823502-03	M
LX1100086101	S1823502-03	M
LX1100086102	S1823502-03	M

S/N	P/N	AMDT
LX1100086103	S1823502-03	M
LX1100086104	S1823502-03	M
LX1100086108	S1823502-03	M
LX1100086119	S1823502-03	M
LX1100086125	S1823502-03	M
LX1100086137	S1823502-03	M
LX1100086138	S1823502-03	M
LX1100086139	S1823502-03	M
LX1100086140	S1823502-03	M
LX1100086143	S1823502-03	M
LX1100086145	S1823502-03	M
LX1100086151	S1823502-03	M
KA2625321001	S1823502-05	J
KA2625321002	S1823502-05	J
KA2625321003	S1823502-05	J
KA2625321004	S1823502-05	J
KA2625321006	S1823502-05	J
KA2625321007	S1823502-05	J
KA2625321008	S1823502-05	J
KA2625321009	S1823502-05	J
KA2625442001	S1823502-05	J
KA2625442002	S1823502-05	J
KA2625442003	S1823502-05	J
KA2625442004	S1823502-05	J
KA2625442005	S1823502-05	J
KA2625442006	S1823502-05	J
KA2625442007	S1823502-05	J
KA2625442008	S1823502-05	J
KA2625442009	S1823502-05	J
KA2625442010	S1823502-05	J
KA2625442011	S1823502-05	J
KA2625442012	S1823502-05	J
KA2625442013	S1823502-05	J
KA2625442014	S1823502-05	J
KA2625442015	S1823502-05	J
KA2625442016	S1823502-05	J
KA2625442017	S1823502-05	J
KA2625442018	S1823502-05	J
KA2625442019	S1823502-05	J
KA2625442020	S1823502-05	J
KA2625442021	S1823502-05	J
KA2625442022	S1823502-05	J
KA2625442023	S1823502-05	J
KA2625442024	S1823502-05	J

S/N	P/N	AMDT
KA2625442025	S1823502-05	J
KA2625442026	S1823502-05	J
KA2625442027	S1823502-05	J
KA2625442028	S1823502-05	J
KA2625442029	S1823502-05	J
KA2625442030	S1823502-05	J
KA2625442031	S1823502-05	J
KA2625442032	S1823502-05	J
KA2625442033	S1823502-05	J
KA2625442034	S1823502-05	J
KA2625442035	S1823502-05	J
KA2625515001	S1823502-05	J
KA2625524001	S1823502-05	J
KA2625524003	S1823502-05	J
KA2625524004	S1823502-05	J
KA2625524006	S1823502-05	J
KA2625524007	S1823502-05	J
KA2625524008	S1823502-05	J
KA2625524010	S1823502-05	J
KA2625530001	S1823502-05	J
KA2625530002	S1823502-05	J
KA2625641001	S1823502-05	J
KA2625641002	S1823502-05	J