



EMERGENCY LOCATOR TRANSMITTER REPLACEMENT PROGRAMME





THE ELT SYSTEM

The ELT system is composed of one fixed ELT and one or various survival ELTs (depending on local legislation, type of operation, operator preference, etc.) and accessories thereof.

The fixed ELT is fitted to the airframe, transmits through an airframe mounted antenna and can be remotely activated from the cockpit.

The survival ELTs are primarily designed for use in evacuation situations – so the crew can easily take them when leaving the aircraft, and can be stowed in the galley, overhead bins, or fitted to the airframe with a quick-removal bracket. They are not wired to the airframe. They always include their own antenna, and typically include a float and a cord, so can transmit while attached to a life raft.

Finally, there is a compromise between both: the portable ELT – which is also fitted to the airframe and remotely activated, but includes its own whip antenna, so it can be removed from the bracket and used in case of evacuation.

TYPICAL FIXED ELT SYSTEM

The main components of the fixed ELT system are:

1 x ELT

Can be GPS enabled (Integra Series) or not (Kannad Series), and at the same time can be either fixed (406AF type) or portable (406AP type).

The part numbers for the 4 different options are:

- KANNAD 406AF: S1821502-02
- KANNAD 406AP: S1820502-02
- INTEGRA 406AF: S1851501-01
- INTEGRA 406AP: S1850501-01

1 X ELT BRACKET

To fit the ELT to the airframe, will depend on ELT selection, part numbers are:

- MOUNTING BRACKET FOR KANNAD ELT: S1820511-01
- MOUNTING BRACKET FOR INTEGRA AF ELT: S1850551-04
- MOUNTING BRACKET FOR INTEGRA AP ELT: S1850551-03

1 X PROGRAMMING DONGLE

Contains the ELT programming and is wired to the aircraft (so it's also the interface between the ELT and the remote-control panel), again, the part number depends on ELT type:

- A320 SPECIFIC PROGRAMMING DONGLE FOR KANNAD ELT: S1820514-04
- A320 SPECIFIC PROGRAMMING DONGLE FOR INTEGRA ELT: S1820514-11

1 X FUSELAGE MOUNTED ANTENNA

The same antenna is used for both the Kannad and Integra ELTs:

• A320 SPECIFIC ELT ANTENNA: 2624-82

1 X REMOTE CONTROL PANEL (COCKPIT MOUNTED)

The same remote-control panel is used for both the Kannad and Integra ELTs:

• RC800 - AIRBUS SPECIFIC REMOTE -CONTROL PANEL: S1820513-15



Both the Kannad and Integra systems are Airbus approved. The Integra system is also currently standard fit for NEO models.

PARTS LIST

SELECTABLE EQUIPMENT (ELT, BRACKET AND DONGLE)

PART NUMBER	DESCRIPTION	QUANTITY PER AIRCRAFT
S1821502-02	KANNAD 406AF ELT TRANSMITTER	1
S1820502-02	KANNAD 406AP ELT TRANSMITTER	1
S1851501-01	INTEGRA 406AF (ER) ELT TRANSMITTER	1
S1850501-01	KANNAD 406AP (ER) ELT TRANSMITTER	1
S1820511-01	BRACKET FOR KANNAD ELT (ALL)	1
S1850551-04	BRACKET FOR INTEGRA AF ELT	1
S1850551-03	BRACKET FOR INTEGRA AP ELT	1
S1820514-04	DONGLE FOR KANNAD ELT	1
S1820514-11	DONGLE FOR INTEGRA ELT	1

FIXED EQUIPMENT – APPLICABLE TO ALL FIXED ELT INSTALLATIONS

PART NUMBER	DESCRIPTION	QUANTITY PER AIRCRAFT
2624-82	A320 SPECIFIC ANTENNA	1
S1820513-15	AIRBUS SPECIFIC RCP	1

Depending on the current installation on the aircraft, the existing antenna and remote-control panel may be suitable for the installation, as, in most cases the same antenna is used by Honeywell, ELTA and Kannad ELTS, and sometimes the same RCP is also used for different ELT brands. This would result in a further saving by not having to replace these items, however, this should be studied on a case-by-case basis.

HOW DOES THIS COMPARE TO COMPETITORS?

An equivalent system from competitors would be:

Honeywell

AFN2 ELT (51090130-2) RCP (1153008-1) DONGLE (51090136-1)

Pricing for the Orolia system is, depending on selected options, about a **45%** of the Honeywell equivalent

ELTA

ADT406AP ELT (01N65910) BRACKET (02N60051) COVER (03N60349) RCP (93N6035)

Pricing for the Orolia system is, depending on selected options, about a **40%** of the ELTA equivalent

In either case, the Kannad and Integra ELTs are much more cost-effective: furthermore, replacing the entire system including all accessories will usually be more cost effective than replacing just the Honeywell or ELTA ELT.

SYSTEM SELECTION RECOMMENDATIONS

Given the ELT choice, it would be advisable to:

Select portable (AP) ELTs rather than fixed (AF) ELTs

Having a fully functional portable ELT in case of evacuation gives increased versatility, which outweighs the minor cost difference.

Select the Integra over the Kannad series

The only advantage of the Kannad series over the Integra series is the capability to transmit on 243 MHz band (which is virtually exclusive to military, thus, not that useful for airline use). The Integra series has dropped the 243 MHz transmission for a built-in GPS module, which enables a more accurate transmission of the position of the aircraft in distress. The Kannad series is very popular among operators, partly because it has been in the market a lot longer than the Integra series. Nevertheless, the Integra series is a more than suitable replacement for civil operators.

TYPICAL SURVIVAL ELT SYSTEM

There are 2 options for the ELT itself: with or without water activation (the non-water activated model P/N S1823502-03 can be water enabled with the addition of water switch P/N S1820514-14, making it equivalent in fit, form and function to S1823502-05).

Depending on customer preference, the survival ELTs can be stowed in overhead bins, galley, fitted to the airframe, etc. There are currently 2 bag sizes to accommodate different stowage compartments, and a quick release bracket if that option is selected. Another optional accessory is the programming dongle: whilst the ELT can be supplied programmed to customer specification, if a programming dongle is supplied it can remain with the aircraft – so the ELT can be replaced



and programmed according to the aircraft in which it is installed in a matter of minutes. This is very helpful when an installed ELT needs to be removed for periodic check, battery expiry, etc. (so a pool unit can be fitted without being sent away for programming). The amount of downtime and extra work saved makes up for the small price difference of adding this option.

OPTIONS

SELECTABLE EQUIPMENT (ELT TRANSMITTER)

PART NUMBER	DESCRIPTION	QUANTITY PER SYSTEM
S1823502-03	KANNAD 406AS ELT TRANSMITTER	1
S1823502-05	KANNAD 406AS ELT TRANSMITTER WITH WATER SWITCH	1

INSTALLATION OPTIONS

PART NUMBER	DESCRIPTION	QUANTITY PER SYSTEM
S1820511-02	KANNAD 406AS BRACKET	1
S1820511-03	KANNAD 406AS CARRY CASE - LONG (332x180x180 mm)	1
S1820511-04	KANNAD 406AS CARRY CASE - SHORT (290x180x180 mm)	1

OPTIONAL ACCESSORIES

PART NUMBER	DESCRIPTION	QUANTITY PER SYSTEM
S1820514-01	PROGRAMMING DONGLE	1
S1820514-14	WATER SWITCH	1

HOW DOES THIS COMPARE TO COMPETITORS?

Honeywell:	ELTA:
RESCU406 ELT (51090368-1)	ADT406S ELT (01N65920)
BRACKET (51090370-1)	BRACKET (04N64250)
Pricing for the Orolia system is, depending on selected	Pricing for the Orolia system is, depending on selected

Pricing for the Orolia system is, depending on selectedPricing for the Orolia system is, depending onoptions, about a 25% of the Honeywell equivalentoptions, about a 75% of the ELTA equivalent

system is, depending on



WHY SWITCH THE WHOLE ELT SYSTEM TO OROLIA?

Whilst there is always one single fixed ELT per airframe, the number of survival ELTs will generally be either 1 or 2 (depending on operator preference, MEL, state authorities, having a portable ELT, etc).

Taking into consideration the cost options, the pricing for the complete system would range from between \notin 9631 for the most economical options of 1 INTEGRA AF + 1 KANNAD AS and \notin 13015 for the most expensive configuration, including 1 INTEGRA AP + 2 KANNAD AS with all options.

Whether you choose the economical or the top specification options it's clear that replacing the entire system with Orolia ELTs is the most costeffective solution.

WHY CHOOSE HAYWARD & GREEN AVIATION LTD?

Hayward & Green Aviation Ltd. has rapidly become one of the top ten worldwide distributors for Orolia, this is due to 4 main factors:

1. Competitive prices

2. In-house programming and hazpacking:

Enabling shipment within an hour of AOG orders and same-day for critical orders.

3. Vast amounts of stock available:

We keep a minimum of 4 of all of the above-mentioned items in stock at all times, which translates into

- Always having sufficient stock to fulfil AOG or critical requirements at all times.
- Having additional volume discounts with the OEM, which we pass onto customers, thus making our prices even more competitive.

4. AOG Fees and processing:

- Free of charge for operators, for orders received and shipped in business hours (Monday Friday 09:00-17:00).
- Competitive out-of-hours AOG fee of €250, which includes shipments in public holidays, at night, etc.

Should Hayward & Green Aviation Ltd. become your selected Orolia ELT provider, you will probably be enjoying the best prices and service available in the market for this product type.

CONTACT DETAILS

Hayward & Green Aviation Ltd. appreciates your interest in this brochure and welcomes you to either visit us personally to discuss ELT replacement options or contact us by telephone or e-mail.

Contact details for all options:

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