

## Emergency Beacon, Inspection Proforma

### General Information

GME emergency beacons are designed to operate through to their battery expiry date without requiring re-alignment or servicing. Care and regular inspection of the beacon however helps to ensure that your unit is in a fully serviceable condition. Please refer to the operator's manual provided with the beacon, or visit our website, for further information.

Where required by legislation, the following formalised inspection routine is recommended by the manufacturer. It is to be carried out only by suitably authorised and competent personnel.

The routine may also serve as a useful guide for those owners wishing to establish a more detailed and regular voluntary assessment of their beacon product. A yearly inspection interval is suggested for typical installations.

### Inspection Process

Become familiar with the content of page 2 prior to commencing the assessment. All results are recorded on page 1.

<b>BEACON MODELS</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	MT400	MT401	MT401FF	MT403	MT403G	MT403FF	MT403FG	MT410	MT410G

CATEGORY	INSPECTION REQUIREMENT <sup>1</sup>	TO BE COMPLETED <sup>2</sup>
<b>1. IDENTIFICATION</b>	a. Record Serial Number	S/N: _____ FAIL <input type="checkbox"/>
	b. Record UIN/15 Hex ID <sup>8</sup>	UIN: _____ FAIL <input type="checkbox"/>
	c. Record Battery Date (mm/yyyy)	___ / 20 ___ FAIL <input type="checkbox"/>
	d. Security activation seal broken	PASS <input type="checkbox"/> FAIL <input type="checkbox"/>
<b>2. PHYSICAL</b>	a. Unit is free from foreign matter & surface complaints <sup>3</sup>	PASS <input type="checkbox"/> FAIL <input type="checkbox"/>
	b. Unit is intact with all other components present	PASS <input type="checkbox"/> FAIL <input type="checkbox"/>
	c. There are no signs of physical damage	PASS <input type="checkbox"/> FAIL <input type="checkbox"/>
	d. Seals, bungs & membranes are intact (external inspection)	PASS <input type="checkbox"/> FAIL <input type="checkbox"/>
	e. UV degradation limited to reduction in surface gloss level <sup>4</sup>	PASS <input type="checkbox"/> FAIL <input type="checkbox"/>
	f. Surface or other corrosion is not present	PASS <input type="checkbox"/> FAIL <input type="checkbox"/>
	g. Antenna can be easily & fully deployed <sup>5</sup>	PASS <input type="checkbox"/> FAIL <input type="checkbox"/> Not Applicable <input type="checkbox"/>
	h. Labels & instructions are all clearly legible	PASS <input type="checkbox"/> FAIL <input type="checkbox"/>
	i. Lanyard is present, free from knots, cuts & neatly stowed	PASS <input type="checkbox"/> FAIL <input type="checkbox"/>
<b>3. FUNCTIONAL</b>	a. Self-test produces audible response	PASS <input type="checkbox"/> FAIL <input type="checkbox"/> Not Applicable <input type="checkbox"/>
	b. Self-test produces visual response	PASS <input type="checkbox"/> FAIL <input type="checkbox"/>
	c. Self-test switch returns easily to off state	PASS <input type="checkbox"/> FAIL <input type="checkbox"/>
	d. When out of mounting bracket, momentary electrical short between water sense contacts produces Self-test response.	PASS <input type="checkbox"/> FAIL <input type="checkbox"/> Not Applicable <input type="checkbox"/>
	e. When stowed in mounting bracket, momentary electrical short between water sense contacts DOES NOT produce Self-test response.	PASS <input type="checkbox"/> FAIL <input type="checkbox"/> Not Applicable <input type="checkbox"/>
<b>4. MOUNTING BRACKET</b>	a. Release & Retention mechanism function correctly	PASS <input type="checkbox"/> FAIL <input type="checkbox"/> Not Applicable <input type="checkbox"/>
	b. Unit is securely retained in mounting bracket	PASS <input type="checkbox"/> FAIL <input type="checkbox"/> Not Applicable <input type="checkbox"/>
	c. Bracket & retention points inspection for damage	PASS <input type="checkbox"/> FAIL <input type="checkbox"/> Not Applicable <input type="checkbox"/>
	d. UV degradation limited to reduction in surface gloss level <sup>5</sup>	PASS <input type="checkbox"/> FAIL <input type="checkbox"/> Not Applicable <input type="checkbox"/>
	e. Record Hydrostatic Release Replacement date (mm/yyyy)	___ / 20 ___ Not Applicable <input type="checkbox"/> FAIL <input type="checkbox"/>

I, \_\_\_\_\_ (print name) have carried out the inspection process detailed here-in and have permanently recorded on this proforma all information, including my assessments against the provided criteria. Furthermore, based on this inspection process carried out on \_\_\_ / \_\_\_ / 20 \_\_\_ (dd/mm/yyyy), I declare that this emergency beacon is FULLY SERVICEABLE<sup>6</sup> / UNSERVICEABLE (delete as applicable).

Signed: \_\_\_\_\_

Position: \_\_\_\_\_ (print in block letters)

Organisation: \_\_\_\_\_ (print in block letters)

<b>EXPIRY<sup>7</sup>:</b>	___ / 20 ___ (mm/yyyy)
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# Important Information to be Read Prior to Conducting an Inspection

## A. Inspectors and Authority to Complete

It is the responsibility of the individual or organisation seeking this certificate to ensure that this inspection is only carried out by an appropriately competent, qualified and authorised individual. Certain requirements may exist in this regard under law in your region or country.

## B. Purpose and Meaning

This certificate is a tool used to help form an assessment of an in-service beacon's ongoing operational status. Primarily it is used to identify deterioration or performance issues which are likely to make the product ineffective if deployed and activated in an emergency.

## C. Additional Testing

Field inspections only deliver a limited capability to detect some of the wide range of possible faults or product damage. In highly critical installations it is recommended that the owner or their representative contact the manufacturer for assistance in determining an appropriate and tailored maintenance programme schedule.

If there is any indication that the beacon may not be operating correctly, arrange immediately for a service inspection through your supplier.

The in-built electrical self-test is an important feature which should be exercised at the interval specified for the particular beacon model. Additionally the manufacturer recommends that the self-test facility always be utilised prior to embarking on a voyage or trip of extended duration. Excessive testing more regularly than recommended will consume battery capacity which would otherwise be available to power the beacon in an emergency.

## C. Distribution and Requirements Governing Use of this Proforma

Whilst this proforma is distributed free of charge, it is done so on the understanding that it will not be edited or modified in any way. Copies may be downloaded from the manufacturer's website.

From time to time this proforma may be updated. It is the inspector's responsibility to ensure that only the latest issue is used when completing a new inspection (see document footer: 42341-'Issue'). Higher numerical issues represent more recent documents.

## D. Completion of Proforma Details

The following notes apply to the completion of particular fields.

1. Commencing at item 1a. inspection is to be carried out in the order shown.
2. Place a tick (✓) in the one square corresponding to the achieved result, leaving all other boxes for that inspection blank. If a mistake is made a new form must be completed in its entirety.  
Example: PASS  FAIL  Not Applicable
3. Contaminants may interfere with the mechanical operation of the beacon, or cause chemical attack on the housing reducing the achievable service life. It is important to assist with the later visual inspections that all surfaces are clean. A dirty beacon and/or mounting bracket may be washed in fresh water (or assisted with a mild detergent if necessary) to achieve a **PASS** (✓) result.
4. The beacon plastics are generally of a gloss or satin finish. UV deterioration is often associated with crazing of the finish or a powdery surface texture. Other than a reduction in gloss level, these and other forms of deterioration are unacceptable and a **FAIL** (✗) must be recorded.
5. The antenna must deploy easily as intended and be free of binding or physical resistance to achieve a **PASS** (✓) result. To promote the longevity of telescopic type antenna a thin film of silicon grease may be sparingly applied provided any contaminants or dirt particles are first thoroughly removed.
6. A beacon is considered to be **FULLY SERVICEABLE** only if no **FAIL** (✗) results are present at the completion of the inspection process.
7. The proforma EXPIRY DATE may be determined by regulatory controls covering frequency of inspection (but in all instances is limited to one which does not exceed the battery expiry date (1.b.) marked on the beacon's body AND/OR the Hydrostatic Release Expiry date (4.e.) for applicable EPIRB models.)
8. It is possible to decode the UIN and extract message data using software available at the COSPAS-SARSAT website ([www.cospas-sarsat.org](http://www.cospas-sarsat.org)). This may be useful for verifying any user specific details which may have been programmed into the beacon.



**Kingray**

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