TAC Report Nr. 398-1.1

TAC Number	398	**TAC Date**	20-SEP-2024	**TAC Rev. date**	26-MAR-2026
Beacon Model Name	McMurdo Smartfind G8 PLUS AIS EPIRB (Z712)				
Additional Names	Kannad Marine SAFEPRO PLUS AIS EPRIB (Z712), SAILOR 4065 EPIRB GNSS/AIS (Z712), Samyung ENC SEP-600AIS (Z712), KODEN KPB-10 AIS EPIRB (Z712)				
Manufacturer	McMurdo Ltd				
Tx Frequencies	406.040 MHz				
In Production	in production			**Class**	2
Type	FF / Non FF EPIRB			**Tested Life** (hours)	48
Battery	Battery pack P/N 23-106B, 3 x 2 AA-size serially connected Energizer L91 Lithium Iron Disulfide cells				
	Battery Legend: Battery cell manufacturer, Cell chemistry, Cell model, No. of cells, Cell size.				
Protocols tested	UL - User-Location, SL - Standard Location, NL - National Location				
Self Test	yes	**Self Test RF**	yes	**Self Test RF** (Short/Long)	long
Self Test Format Flag	long			**Self Test Consistent with 15 Hex ID**	yes
Homer Freq	121.5 MHz			**Homer Duty Cycle**	66%
Homer Power	79 mW				
Strobe Light	yes	**Strobe Brightness**	0.75 cd	**Strobe Duty Cycle**	23 flashes per minute
Nav Device	internal (GPS, GLONASS, Galileo)	**Nav Device Model**	U-BLOX NEO-M9N		
Encoded Position Data Update Interval	Range (minutes) 5:00 to 15:00				
Separable Antenna	no	**Antenna Model**	Integral antenna		
Additional functions	AIS location transmitter; GNSS self-test mode; Automatic beacon activation via sea water contacts.				
General comments	Designed and tested for operation while floating in water, or on deck, or in a safety raft. Type approved with Standard Location Protocol variants: EPIRB with MMSI, EPIRB with Serial Number; National Location protocol: EPIRB; User-Location protocol variants: Maritime with MMSI, Maritime with Radio Call Sign, EPIRB Float Free with Serial Number, EPIRB Non-Float Free with Serial Number, Radio Call Sign. Beacon is available in yellow colour.				
TAC rev history	1) 20-Jul-17: Originally approved with TAC 289 issued to Orolia Ltd. UK; 2) 6-Oct-17: yellow colour variant added; 3) 13-Jan-2021: Approval of related RLS variant under TAC 1001; 4) 22-Oct-2021: First additional TAC 347 issued in the name of McMurdo Ltd; 5) 20-Sep-2024: Changes approved to add IR strobes, and update obsolete electronics; 6) 26-Nov-2025: Changes approved to HW and SW to correct AIS performance; 7) 26-Mar-26: The additional model name "KPB-10 AIS EPIRB (Z712)" of the model "Smartfind G8 PLUS AIS EPIRB (Z712)" was added to TAC 398, for distribution by the authorized distributor Koden Electronics Co., Ltd.				