



SAR EGYPT
SPECIFIC EQUIPMENT
AIS RECEIVER / TRANSPONDER WITH LCD DISPLAY
TECHNICAL SPECIFICATION

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VERSION N°00

Management of revision

Revision	Date	Paragraph concerned	Description of changes
V0	2023/12/20	First release	Initial version

Summary

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Table of acronyms

- AIS : Automatic Identification System (Maritime)
- DC : Direct current
- DSC : Digital selective calling
- GNSS : Global Navigation Satellite Systems
- LCD : Liquid crystal display
- NMEA : National Marine Electronics Association
- SOLAS : Safety of life at sea (convention)
- TBC : To Be Confirmed
- TBD : To Be Defined
- TFT : Thin Film Transistor
- VHF : Very High Frequency

1. General information

Specific equipment concerned:

Automatic Identification System (AIS): class A, emitter receiver and transponder with LCD display and VHF antenna

Number to be purchased: 50

Address of delivery: Cairo, TBC

Incoterm: DPU

End user: Egyptian Border Guards

2. Tender matrix's conformity

In the following table, the references noted [EX-XXX] correspond to technical requirements of the equipment. Compliance with these technical requirements is mandatory.

Technical specification requirements		Manufacturer / supplier product proposal
Reference	Technical requirement	Technical specification / description / Quantity
EX-1	AIS Class A SOLAS	
EX-2	The AIS is a Emitter, Receiver and transponder equipment	
EX-3	The AIS has a wide angle colour TFT LCD (day and night modes)	
EX-4	Simplified Navigation Function	
EX-5	Navigation to Man Over Board (MOB) Waypoint	
EX-6	Collision alarm function	
EX-7	Anchor watch function with audible alarm	
EX-8	AIS target list vessels and details	
EX-9	Closest Point of Approach (CPA)	
EX-10	Silent mode for security and privacy	
EX-11	Time to Closest Point of Approach (TCPA)	
EX-12	Individual DSC call with connected marine VHF	
EX-13	Supplied with GNSS antenna and receiver	
EX-14	NMEA 2000™, NMEA 0183 connectivity	
EX-15	Plug and play	
EX-16	IP67 Protection	
EX-17	Compatible with both 12 V and 24 V power sources	
EX-18	DC power cable and mounting bracket kit	

Technical specification requirements		Manufacturer / supplier product proposal
Reference	Technical requirement	Technical specification / description / Quantity
EX-19	VHF antenna, tripod and cable with length greater than 3 m	
EX-20	Max Weight 2Kg	
EX-21	Each AIS emitter receiver is delivered with its user manual in English	
EX-22	Warranty : ≥ 1 years	
EX-23	The 50 AIS emitter receiver must have an identical configuration	
EX-24	The AIS emitter receiver packaging is compliant with international standards and they protects the receivers against the shocks, high temperature and humidity. The packaging are sealed during shipping.	
EX-25	Individual factory control certificate supplied	
EX-26	The 50 AIS emitter receivers are delivered before 3 months after order	