Schematic Diagram of Class "A" Ship-borne AIS Station

Labels within the diagram:

(D)GNSS
Position   Clock

Differential
[ITU 823-3]

VHF Differential
[ITU 823] optional

IEC61162-2
configurable as
IEC61162-1

IEC 61162-3

IEC61162-2

IEC61162-2 *3)

IEC61162-2

sensors

external
keyboard.
and display
*1)

pilot/auxiliary
equipment

long-range
interface

minimum
keyboard/display

keyboard/display*2)

TDMA Decoding

TDMA Decoding

DSC Decoding

TDMA Encoding

DSC Encoding

BIIT
Monitoring

RX for TDMA

RX for TDMA

RX for DSC
(CH 70)

RX/TX Control

TX

Power
Supply

VHF
Antenn

Alarm circuits
(NC relay)

Power input

*1) The external keyboard/display may be e.g. radar, ECDIS or dedicated
devices.
*2) The internal keyboard/display may optionally be remote.