

## 2.3 Equipment requirements (including duplication of equipment) for SOLAS ships

GMDSS equipment requirements in force for all ships to which SOLAS chapter IV applies:  
(SOLAS chapter IV)

| Equipment   | A1             | A2             | A3                | A4             |
|---|----------------|----------------|-------------------|----------------|
| VHF telephony installation with DSC capable of:   | x              | x              | x                 | x              |
| DSC watch on channel 70   | x              | x              | x                 | x              |
| Radiotelephony watch on channel 16  | x              | x              | x                 | x              |
| Watch on other appropriate frequency or frequencies for urgency and safety communications for the area in which the ship is navigating              | x              | x              | x                 | x              |
| MF telephony <sup>6</sup> installation with MF DSC capable of:  |                | x              | x                 |                |
| DSC watch on 2 187.5 kHz  |                | x              | x                 |                |
| Watch on other appropriate frequency or frequencies for urgency and safety communications for the area in which the ship is navigating              |                | x              | x                 |                |
| SES providing RMSS  |                |                | x                 |                |
| MF/HF telephony <sup>6</sup> installation with DSC capable of:  |                |                |                   | x              |
| DSC watch on 2 187.5 kHz and 8 414.5 kHz  |                |                |                   | x              |
| Depending on time of day and geographical position, DSC watch on at least one of the frequencies 4 207.5 kHz, 6 312 kHz, 12 577 kHz or 16 804.5 kHz |                |                |                   | x              |
| Watch on other appropriate frequency or frequencies for urgency and safety communications for the area in which the ship is navigating              |                |                |                   | x              |
| Duplicated VHF with DSC   | x <sup>7</sup> | x <sup>7</sup> | x                 | x              |
| Duplicated MF <sup>6</sup> with DSC   |                | x <sup>7</sup> |                   |                |
| Duplicated SES providing RMSS   |                |                | X <sup>4, 5</sup> |                |
| Duplicated MF/HF telephony <sup>6</sup> with DSC  |                |                | x <sup>4</sup>    | x              |
| Receiver(s) for MSI and SAR-related information <sup>3</sup>  | x              | x              | x                 | x              |
| Float-free EPIRB  | x              | x              | x                 | x              |
| Radar SART or AIS SART  | x <sup>1</sup> | x <sup>1</sup> | x <sup>1</sup>    | x <sup>1</sup> |
| Portable GMDSS VHF transceivers   | x <sup>2</sup> | x <sup>2</sup> | x <sup>2</sup>    | x <sup>2</sup> |
| Automatic updating of position to all relevant radiocommunication equipment   | x              | x              | x                 | x              |
| The following additional requirements apply to passenger ships  |                |                |                   |                |
| "Distress panel" and "distress alarm panel"<br>(SOLAS regulations IV/6.4 and 6.6)   | x              | x              | x                 | x              |
| Two-way-on-scene radiocommunication on 121.5 MHz and 123.1 MHz from the navigating bridge.<br>(SOLAS regulation IV/7.6)                             | x              | x              | x                 | x              |

- 1 Cargo ships between 300 and 500 gt.: 1 set. Cargo ships of 500 gt. and upwards and passenger ships: 2 sets.
- 2 Cargo ships between 300 and 500 gt.: 2 sets. Cargo ships of 500 gt. and upwards and passenger ships: 3 sets.
- 3 This may be either a combined ship earth station and EGC receiver or separate pieces of equipment.
- 4 Ships in sea area A3 may choose between duplication with either complete MF/HF transceiver or SES providing an RMSS with coverage equal to or broader than the primary RMSS (See section 1.6.3).
- 5 See section 1.6.3.2.
- 6 An MF/HF radio installation may substitute an MF radio installation.
- 7 See section 1.6.3.1.