

RECOMMENDATION ITU-R M.830-1*

Operational procedures for mobile-satellite networks or systems in the bands 1 530-1 544 MHz and 1 626.5-1 645.5 MHz which are used for distress and safety purposes as specified for the GMDSS

(Question ITU-R 90/8)

(1992-2005)

Scope

This Recommendation provides operational procedures for mobile-satellite networks or systems in the bands 1 530-1 544 MHz and 1 626.5-1 645.5 MHz which are used for distress and safety purposes as specified for the GMDSS. The means to ensure the necessary priority access for maritime mobile-satellite distress and safety communications are given in the Recommendation.

The ITU Radiocommunication Assembly,

considering

- a) that multiple mobile-satellite networks or systems are operating or being developed to operate in the 1 530-1 544 MHz and 1 626.5-1 645.5 MHz bands;
- b) that the bands 1 530-1 544 MHz and 1 626.5-1 645.5 MHz (Radio Regulations (RR) Appendix 15, Table 15-2) available for GMDSS distress and safety communications are also available for other radio services;
- c) that with the introduction of mobile-satellite networks or systems within these frequency bands, some of which may not be participants in the GMDSS, the integrity, effectiveness and protection of distress and safety communications must be continuously maintained;
- d) that maritime mobile-satellite distress and safety communications must be protected from harmful interference (see RR No. 5.353A);
- e) that maritime distress and safety communications require priority access with real time preemptive capability or dedicated channels in the mobile-satellite service;
- f) that account must be taken of the priority of safety-related communications (Article 53 of the RR);
- g) that maritime mobile-satellite distress and safety communications must be relayed to the appropriate Rescue Coordination Centres (RCCs) in the most rapid and expedient manner;
- h) that priority relay of distress alerts from ships in distress to the appropriate RCCs must be preserved and be in accordance with Article 53 of the RR;
- j) that internetwork or intersystem linking of mobile-satellite systems may be provided via means other than the mobile-satellite service links operating in the 1.5-1.6 GHz frequency bands,

* This Recommendation should be brought to the attention of the International Maritime Organization (IMO), the International Civil Aviation Organization (ICAO) and ITU-T.

recommends

1 that mobile-satellite networks or systems participating in the GMDSS should be equipped with the means for intersystem linking between coast earth stations;

2 that mobile-satellite networks or systems operating in the frequency bands 1530-1544 MHz and 1626.5-1645.5 MHz participating in the GMDSS should be equipped with the means to ensure that maritime mobile-satellite distress and safety communications are given the necessary priority access with real time preemptive capability or dedicated channels to ensure the most expeditious handling and relay of the messages to the appropriate RCCs;

NOTE 1 – Section 2 does not apply to MSS systems providing distress and safety services, for which the technical and operational characteristics have already been established in accordance with the relevant provisions of the RR or of the IMO, as applicable.

3 that communications of mobile-satellite system stations operating in the frequency bands 1530-1544 MHz and 1626.5-1645.5 MHz not participating in the GMDSS shall operate on a secondary basis to distress and safety communications of stations operating in the GMDSS. Account shall be taken of the priority of safety-related communications in the other mobile-satellite services.
