

UNITED STATES OF AMERICA

DRAFT PROPOSALS FOR THE WORK OF THE CONFERENCE

Agenda item 10

10 *To recommend to the Council items for inclusion in the agenda for the next WRC, and to give its views on the preliminary agenda for the subsequent conference and on possible agenda items for future conferences, in accordance with article 7 of the Convention.*

Background

Resolution **808 (WRC-12)** containing the Preliminary agenda for WRC-18 lists, as item 2.1 for inclusion in the agenda for WRC-18, to consider regulatory actions, including spectrum allocations, to support GMDSS modernization and implementation of e-navigation in accordance with Resolution **359 (WRC-12)**.

IMO plans to continue the modernization plan for the GMDSS through 2018 with further work to be undertaken on the implementation of e-navigation during the 2016 to 2019 study period.

In parallel to GMDSS modernization, IMO has received an application from the United States to introduce a new satellite service provider into the GMDSS. If a new satellite service provider is recognized for use in the GMDSS, consequential regulatory actions may need to be considered by the ITU.

The United States continues to support the agenda item for WRC-19 proposed by Resolution 808 (WRC-12) supported by Resolution 359 (WRC-12) in order to allow a framework for ITU-R studies and WRC-19 consideration of possible regulatory actions in support of IMO's GMDSS modernization and e-Navigation activities. The United States further proposes modifications to Resolution 359 (WRC-12) to include the consideration of ITU-R studies into possible consequential regulatory actions to support IMO introduction of new systems into the GMDSS.

Proposals

MOD USA/10/1

RESOLUTION 808 (Rev. WRC-152)

~~Preliminary agenda~~ **Agenda for the 2019⁸ World Radiocommunication Conference**

The World Radiocommunication Conference (Geneva, 2015²),

2.1 to consider regulatory actions, including spectrum allocations, to support GMDSS modernization, ~~and implementation of e-navigation and recognition of new service providers in the GMDSS,~~ in accordance with Resolution **359 (Rev. WRC-152)**;

Reasons: Maintaining this item on the agenda for the 2019 World Radiocommunication Conference will allow studies and possible modifications to the Radio Regulations in support of GMDSS Modernization, e-Navigation and addition of new service providers in the GMDSS. It is understood that Resolution 808 will be suppressed and a new Resolution with the WRC-19 agenda will be developed, taking account of the preliminary agenda adopted at WRC-12.

MOD USA/10/2

RESOLUTION 359 (WRC-15~~2~~)

**Consideration of regulatory provisions for update and modernization of the
Global Maritime Distress and Safety System and
studies related to e-navigation**

The World Radiocommunication Conference (Geneva, 2015~~2~~),

considering

- a) that there is a continuing need in the Global Maritime Distress and Safety System (GMDSS), on a global basis, for improved communications to enhance maritime capabilities;
- b) that the International Maritime Organization (IMO) has initiated work plans for GMDSS modernization;
- c) that the Automatic Identification System (AIS) offers potential enhancements to VHF maritime safety communications;
- d) that advanced maritime MF/HF/VHF data systems and satellite communication systems may be used to deliver Maritime Safety Information (MSI) and other GMDSS communications;
- e) that additional global and regional GMDSS satellite providers may be considered by IMO;
- f) that IMO is developing a strategy and implementation plan for e-navigation, defined as the harmonized collection, integration, exchange, presentation and analysis of marine information on board and ashore by electronic means to enhance berth-to-berth navigation and related services for safety and security at sea and protection of the marine environment;
- g) that GMDSS modernization may be influenced by the development of e-navigation,

noting

that WRC-12:

a) has reviewed Appendix 17 and Appendix 18 to improve efficiency and introduce bands for new digital technology;

b) has reviewed the regulatory provisions and spectrum allocations for use by maritime safety systems for ships and ports,

recognizing

a) that advanced maritime communication systems may support the implementation of GMDSS modernization and e-navigation;

b) that IMO efforts to implement GMDSS modernization and e-navigation may require modification a review of the Radio Regulations to accommodate advanced maritime communication systems;

c) that due to the importance of these radio links in ensuring the safe operation of shipping and commerce and security at sea, they must be resilient to interference,

d) that IMO has received an application to introduce a new service provider into the GMDSS and if this service provider is recognized for use in the GMDSS, then consequential regulatory actions may need to be considered,

resolves to invite WRC-198

1 to consider possible regulatory actions, including spectrum allocations based on the ITU-R studies, to support GMDSS modernization;

2 to consider possible regulatory actions, including spectrum allocations based on the ITU-R studies, for maritime mobile service supporting e-navigation,

3 to consider possible consequential regulatory actions, based on ITU-R studies, related to new service provider recognized for use in the GMDSS,

invites ITU-R

to conduct studies, as a matter of urgency, taking into consideration the activities of IMO, in order to determine spectrum the requirements or regulatory actions to support GMDSS modernization, the implementation of e-navigation, and the recognition of new service providers for use in the GMDSS, and propose possible regulatory actions, including spectrum allocations,

invites

all members of the Radiocommunication Sector, IMO, the International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA), the International Electrotechnical Commission (IEC), the International Hydrographic Organization (IHO), the International Organization for Standardization (ISO) and the World Meteorological Organization (WMO) to contribute to these studies,

instructs the Secretary-General

to bring this Resolution to the attention of IMO and other international and regional organizations concerned.

Reasons: Modifications to Resolution 359 take account of the current situation in the IMO with respect to the modernization of GMDSS and e-Navigation, and the IMO consideration of new service providers as part of the GMDSS.

ATTACHMENT

**PROPOSAL FOR ADDITIONAL AGENDA ITEM TO SUPPORT CONSIDERATION
OF GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS)**

Subject: Proposal to maintain Consideration of regulatory provisions for update and modernization of the Global Maritime Distress and Safety System and studies related to e-navigation on the WRC Agenda for WRC-2019

Origin: United States of America

Proposal: in accordance with Resolution 359 (Rev. WRC-15), to conduct studies, as a matter of urgency, taking into consideration the activities of IMO, in order to determine the requirements or regulatory actions to support GMDSS modernization, the implementation of e-navigation, and the recognition of new service providers for use in the GMDSS, and propose possible regulatory actions, including spectrum allocations.

Background/reason: Resolution 808 (WRC-12) included in the Preliminary agenda for WRC-18 item 2.1 - to consider regulatory actions, including spectrum allocations, to support GMDSS modernization and implementation of e-navigation in accordance with Resolution 359 (WRC-12).

IMO plans to continue the modernization plan for the GMDSS through 2018 with further work to be undertaken on the implementation of e-navigation during the 2016 to 2019 study period. In parallel to GMDSS modernization, IMO has received an application from the United States to introduce a new satellite service provider into the GMDSS. If a new satellite service provider is recognized for use in the GMDSS, consequential regulatory actions may need to be considered by the ITU.

The ITU Radio Regulations contain many provisions, articles, appendices and Recommendations associated with the GMDSS. Changes to the Radio Regulations are expected to be necessary to support updates to the GMDSS, GMDSS modernization and e-Navigation.

Radiocommunication services concerned: maritime mobile service, mobile satellite service

Indication of possible difficulties: None foreseen

Previous/ongoing studies on the issue: [PDN Report ITU-R M.\[MAR.MSS\]](#)

Studies to be carried out by: ITU-R Study Group 5, WP5B | *with the participation of:* WP4C, IMO, IALA, IMSO

ITU-R Study Groups concerned: Study Groups 4 and 5

ITU resource implications, including financial implications (refer to CV126): **Minimal**

Common regional proposal: Yes/No *Multicountry proposal:* Yes/No
Number of countries:

Remarks
