

IWG-1 Comments on NTIA Proposal on Agenda Item 8.2 on Maritime Issue

UNITED STATES OF AMERICA

DRAFT PROPOSALS FOR THE WORK OF THE CONFERENCE

Agenda Item 8.2: *to recommend to the Council items for inclusion in the agenda of the next WRC, and to give its views on the preliminary agenda for the subsequent conference and on possible agenda items for future conferences, taking into account Resolution 806 (WRC-07)*

Background Information: There is a global requirement for modernization of the Global Maritime Distress and Safety System (GMDSS), as noted by the International Maritime Organization (IMO). IMO COMSAR 14 has initiated scoping exercises, and a work plan to define the requirements for GMDSS modernization. This GMDSS modernization has the endorsement of the IMO Maritime Safety Committee 88.

The International Telecommunication Union Radio Regulations contain many provisions, articles, appendices, and recommendations, associated with the GMDSS. Changes to the Radio Regulations will be necessary to support GMDSS modernization.

IMO is also developing an e-Navigation strategy and implementation plan as endorsed by IMO NAV 56. Initial analysis shows that e-Navigation would require global harmonization of data communications systems. IMO technical bodies have identified that countries could not deploy e-Navigation without an ITU review of the Radio Regulations, to accommodate advanced maritime communication systems.

[This proposal does not prejudice United States proposals for the work of WRC-07 affecting the maritime services, including, without limitation, Agenda Items 1.9, 1.10, and 1.23.](#)

Proposal:

MOD USA/8.2 /1

RESOLUTION 806 (~~REV.~~ WRC-~~12~~)

Deleted: 07

~~**Agenda for the 2015 World Radiocommunication Conference**~~

Deleted: Preliminary a

The World Radiocommunication Conference (Geneva, ~~2012~~),

Deleted: 2007

Reasons: To modify the agenda for WRC-15 to add a new item.

ADD USA/8.2/2

2.XYZ to consider regulatory changes to support implementation of e-Navigation within the maritime mobile service and any possible regulatory action, as necessary, to support GMDSS modernization in accordance with Resolution ~~XYZ~~ (WRC-12).

Deleted: US

Reasons: Meet international maritime shipping need and IMO requirements for GMDSS modernization and IMO implementation of e-Navigation.

ADD USA/8.2/3

RESOLUTION XYZ (WRC-12)

Consideration of implementing regulatory provisions from the Global Maritime Distress Safety System modernization and studies related to e-Navigation

The World Radiocommunication Conference (Geneva, 2012),

considering

- a) that there is an increasing need, on a global basis, for modern Global Maritime Distress Safety System (GMDSS) communication capabilities, for enhanced maritime safety;
- b) that the International Maritime Organization (IMO) has initiated work plans for GMDSS modernization;
- c) that the establishment of the maritime Automatic Identification Systems (AIS) offers potential enhancements to VHF maritime safety communications;
- d) that advanced maritime MF/HF/VHF data systems may be used to deliver Maritime Safety Information (MSI), and GMDSS communications;
- e) that additional global and regional GMDSS satellite providers are being 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 onboard 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,

Deleted: n e-Navigation

recognizing

- a) that advanced maritime communication systems may support the implementation of GMDSS modernization and e-Navigation;
- b) that due to the importance of these radio links in ensuring the safe operation of international shipping and commerce, they must be resilient to interference,

resolves to invite WRC-15

1 to consider appropriate modifications to the Radio Regulations, as necessary, but excluding new allocations, to support GMDSS modernization;

2 to consider appropriate modifications to the Radio Regulations, based on ITU R studies and excluding new allocations, for maritime communication systems supporting e-Navigation within the maritime mobile service,

invites ITU-R

1 to conduct, as a matter of urgency, studies to determine the spectrum requirements and potential frequency bands within the existing maritime mobile service allocations suitable to support e-Navigation;

2 to conduct, as a matter of urgency, studies that identify potential regulatory actions required by WRC-15 to accommodate GMDSS modernization,

further invites

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

instructs the Secretary-General

to bring this Resolution to the attention of the International Maritime Organization (IMO), and other international and regional organizations concerned.

Reasons: Meet advanced maritime communication systems needs from IMO requirements for GMDSS modernization and IMO implementation of e-Navigation.

Annex

Subject: 2012 World Radiocommunication Conference Agenda Item 8.2 Proposal to support Global Maritime Distress Safety System modernization and e-Navigation studies.

Origin: United States of America

Proposal: to consider regulatory changes to support implementation of e-Navigation within the maritime mobile service and any possible regulatory action, as necessary, to support GMDSS modernization in accordance with Resolution **USXYZ (WRC-12)**

Background/reason:

The International Telecommunication Union Radio Regulations contain many provisions, articles, appendices, and recommendations, associated with the GMDSS. Changes to the Radio Regulations will be necessary to support GMDSS modernization.

Initial analysis shows that e-Navigation would require global harmonization of data communications systems. International Maritime Organization technical bodies have identified that countries could not deploy e-Navigation without an ITU review of the Radio Regulations, to accommodate advanced maritime communication systems.

Radiocommunication services concerned: maritime mobile service, mobile satellite service.

Indication of possible difficulties: None

Previous/ongoing studies on the issue: None

Studies to be carried out by: ITU-R Study Group 5, Working Party 5B.

with the participation of: Working Party 4C, 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: No

Multicountry proposal: **No**

Number of countries:

Remarks