

Paper for Consideration by NIPWG

Updated Mariners' Routeing Guide (S-49) Edition 2.1.0

Submitted by:	United States (NGA)
Executive Summary:	Final review of Edition 2.1.0 of Mariners' Routeing Guide (S-49) prior to submission to HSSC12 for endorsement
Related Documents:	NIPWG Letter 5-2018 (21 September 2018) NIPWG Letter 5-2019 (12 August 2019)
Related Projects:	Development of definitions of Under Keel Clearance Management (UKCM) Systems for the Hydrographic Dictionary (S-32)

Introduction / Background

At NIPWG5 (Genoa—March 2018), the NIPWG Chair requested information on how the new UKCM Systems might affect S-49. The last update of S-49 (Edition 2.0.0) was released in 2010 so it was decided to do a complete review of S-49 to determine if other updates needed to be made.

Proposed changes were forwarded to NIPWG members for comments via NIPWG Letter 5-2018 (September 2018). At NIPWG6 (Rostock—January 2019), the group discussed the proposed changes and decided which changes would be adopted or rejected.

NIPWG Letter 5-2019 (August 2019) consolidated the NIPWG6 discussions, including the adoption/rejection of proposed changes, and requested additional comments from group members.

Analysis/Discussion

The following proposed changes were adopted at NIPWG6 by the group:

1. Current Item E2.3—Amending definition to reflect existence of UKCM Systems.
2. New Items U6.6—Seismic Activities (now includes a specific reference to earthquakes, volcanoes, and tsunamis—IHO comments from NIPWG Letter 5-2019).
3. New Item U.6.7—Magnetic Anomalies.
4. New Item N8.2—Automatic Identification System. (Applies only to depicting individual AIS items as aids to navigation and does not preclude a mention of virtual AIS in a Caution section—National Taiwan Ocean University comments from NIPWG Letter 5-2019).
5. Deletion of Section 4—HO Availability of Routeing Guides.

The following proposed changes were not adopted at NIPWG6 by the group:

1. Proposed Item E4.3—Areas to be Avoided (sufficiently covered by Item E1.1).
2. Proposed Item E4.4—Vessel Traffic Service (sufficiently covered by Item E4.1).
3. Proposed Item U6.8—Maritime Boundaries.

The following editorial changes have been made to S-49:

1. Title updated with new edition number (2.1.9).
2. Forward has been updated.
3. Contents—Reference to Section 4 has been removed.
4. Item U7.3—Recommended Nautical Charts (rewrote Special Comments section for improved clarity—Portolan Science comments from NIPWG Letter 5-2019).
5. Minor grammar and punctuation changes.

Justification and Impacts

The justification for the changes are:

1. Adding new topics (Seismic Activity and Magnetic Anomalies) useful to the mariner.
2. Ensuring AIS used solely as an Aid to Navigation are treated in a similar manner to the way items such as buoys, lights, and depths are treated (i.e. prevent the use of the Mariners' Routeing Guide as a navigational chart).

The impact of these changes on individual HOs would be minimal. Any changes to individual Mariners' Routing Guides would be done during the normal update cycle, digital updating of electronic versions, or, if necessary, via Notice to Mariners corrections.

Action Required of NIPWG

The NIPWG is invited to:

- a. Endorse S-49 (Edition 2.1.0).
- b. Agree to submit S-49 (Edition 2.1.0) to HSSC12 (meets mid-May 2020) for endorsement.