

**3<sup>rd</sup> NCWG MEETING**  
**ESRI HQ, Redlands, California, USA 16-19 May 2017**

**Paper for Consideration by NCWG**

**Exchange of reproduction material: recommendations about S-57 format.**

<b>Submitted by:</b>	Italian Hydrographic Office
<b>Executive Summary:</b>	Assess a need for inserting some recommendations regarding exchange reproduction material on S-57 format.
<b>Related Documents:</b>	S-4 Part A
<b>Related Projects:</b>	

**Introduction / Background**

S-4 at PART A SECTION 500 - EXCHANGE OF REPRODUCTION MATERIAL provides guidance on the procedures for the supply of repromat in analogue form.

Guidance for its supply in digital form are not provided and the point A-501.3, where the digital form has been introduced, directly refers to the bilateral arrangements between producer and printer nations.

As Italian Hydrographic Office is shifting to an 'ENC-first' based workflow, in order to generate traditional paper charts directly and almost automatically from an ENC, we think that to keep the S-4 up to date it would be appropriate to insert some suggestions aimed at encouraging the exchange of data using the IHO Transfer Standard for Digital Hydrographic Data (S-57).

**Analysis / Discussion**

We suggest to amend the SECTION 500 as follows:

**A-501 GENERAL**

**A-501.1** .....

**A-501.2** .....

**A-501.3** The following paragraphs provide guidance on the procedures for the supply of repromat in analogue or digital form. Detailed Procedures for ~~its~~their supply ~~in digital form~~ will be agreed as part of the bilateral arrangements between producer and printer nations.

**A-502 QUALITY OF REPROMAT**

**A-502.1** .....

**A-502.2** .....

**A-502.3** .....

**A-502.4** Amount and Form of Material: The most appropriate form and amount of repromat will be agreed as part of the bilateral arrangements between producer and printer nations. Repromat will be in negative or positive form depending upon the printing processes used by the nations concerned. ~~The repromat will be accompanied by a copy of the chart itself.~~

For data supplied in digital form the Transfer Standard for Digital Hydrographic Data - S-57 should be used. Producer nation should provide to the printer nation updated S-57 data under the terms of a bilateral arrangement.

**A-504 PROCEDURES FOR ORDERING AND SUPPLYING REPROMAT**

**A-504.1** .....

**A-504.2** **Ordering reprostat:** The printer nation requiring reprostat of an international chart shall order such from the producer nation and shall identify the required reprostat by the international number, followed by the national number. The printer nation may also ask for S-57 data identifying the cell name produced by the producer nation.

**A-504.3** .....

**A-504.4** .....

**A-504.5** .....

**A-504.6** **Supply Method:** The method of shipment shall be determined when the bilateral arrangement is established. Over long distances air shipment is recommended as, although relatively expensive, it is the fastest and least likely to result in damage. Appropriate identification on the parcel shall be made to preclude undue delay to the parcel in the Customs Clearing House of the receiving nation. Digital data should be supplied by e-mail or via FTP as established by the bilateral arrangement.  
The reprostat, both analogue and digital, will be accompanied by a copy of the chart itself.

#### **Action required of NCWG**

The NCWG is invited:

- to note and assess this document.
- to amend the S-4, where and if appropriate, accordingly.