

11th CSPCWG-1st NCWG MEETING
 Rostock, Germany 27-30 April 2015

Paper for Consideration by CSPCWG/NCWG

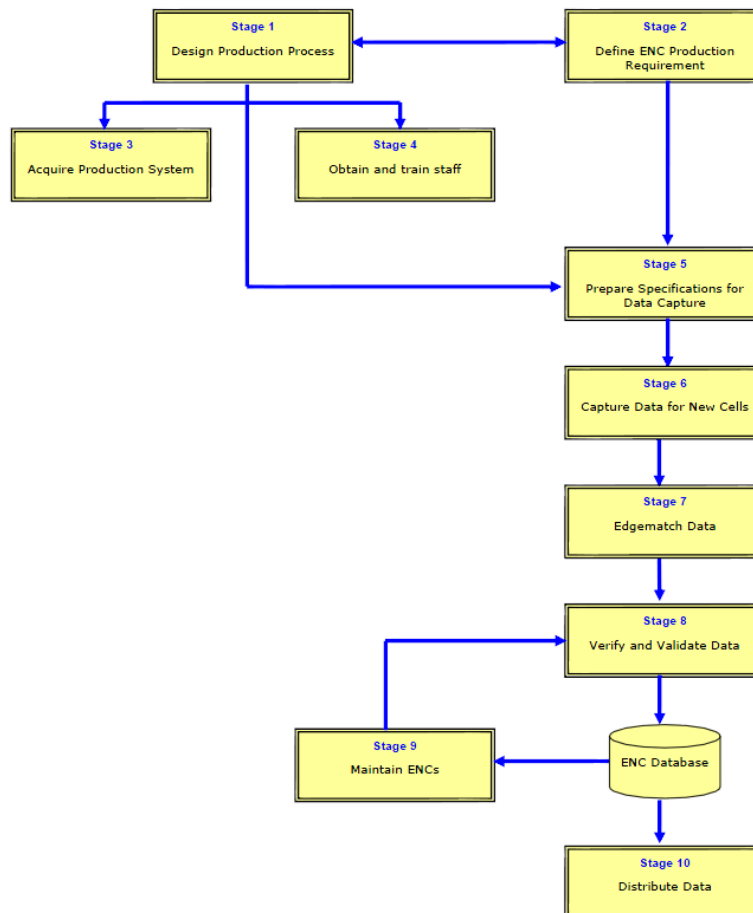
Guide flowchart construction processes mapping from a geodatabase

Submitted by:	México.
Executive Summary:	Proposal to include in the publication "S -4" , Section B Section 600.1 a flowchart to guide the construction process mapping from a geodatabase.
Related Documents:	S-65 "Production, maintenance and distribution guidance"
Related Projects:	S-4 Maintenance.

Introducción/Antecedentes:

The S-65 "Production, maintenance and distribution guidance" IHO standard in the " Hydrographic Office Responsibilities for Producing ENC's " section includes the diagram "Key Stages in the Production of ENC", however, this diagram does not represent the current employment benefits that provides the computer programs for quality control of electronic nautical charts and validation services provided by the ENC Regional Coordination Centers (RENC).

Key Stages in the Production of ENC



Fuente: IHO. Electronic Navigational Charts (ENCs) "Production, maintenance and distribution guidance". Publication S-65 edition 2.0.0, april 2012.

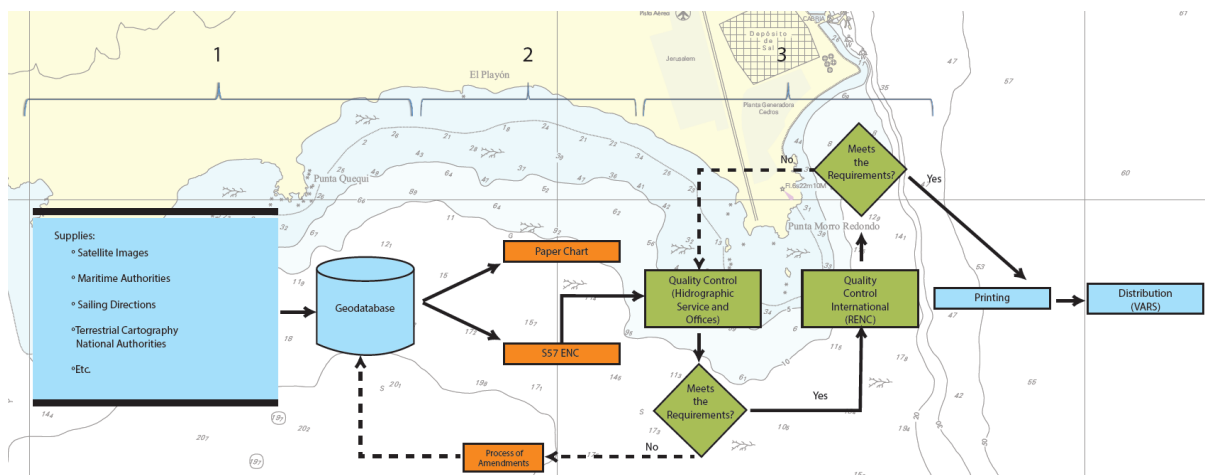
For this reason and in virtue that "Hydrographic Services" and "nautical cartographers" require some guidance to enable them to carry out the processes required to ensure that the information contained on an electronic nautical chart is the "same" containing the corresponding paper nautical chart; This proposal is "To be included in the S-4, on its B-600 section, 600.1 portion (this section has application in detail paper charts, but in general the principles apply equally to electronic charts) one diagram workflow, in order to serve as a guide to hydrographic offices that build and maintain updated official nautical cartography of a State.

Análisis/Discusión:

The following workflow shows a construction process type of nautical charting in three phases:

1. Inputs that feed the geodatabase.
2. Construction of the paper chart and the cell is performed in parallel.
3. Two stages of quality control (national and international) are proposed to ensure the quality of cartographic products.

SCHEME



Conclusions:

After reviewing the contents of the S-4 standard in paragraph B-600 "Chart maintenance", the Mexican State considers it necessary to include in section B-600.1 a flowchart to guide the construction process mapping from a geodatabase, under which there is currently no information on this issue and in order to strengthen the importance of maintaining updated both paper charts and cells, and ensure that the information on paper charts is the same for the ENC 's regardless of the mapping process involved: new edition, updating paper charts for marine warning for new bathymetric information, etc.

Recomendations:

To be considered a careful review of this proposal in the work program for members of CSPCWG / NCWG under the supervision and monitoring of the Committee on Hydrographic Services and Standards for approval by member states of the IHO.

Justification and impacts:

This proposal aims to standardize a suitable process to ensure that the information contained in the paper charts is identical in the electronic navigational chart, despite the differences of format.

Action required of CSPCWG:

1. The CSPCWG / NCWG take note of this proposal.
2. That this proposal is under consideration CSPCWG / NCWG for Member States of the working group to consider including this proposal in the publication S -4 " Regulations of the IHO for international (int) charts and chart specifications of the IHO "
3. The 11thCSPCWG / 1stNCWG agreed to circulate this proposal with a ballot.