



# IHO INT Chart System



# ***References:***

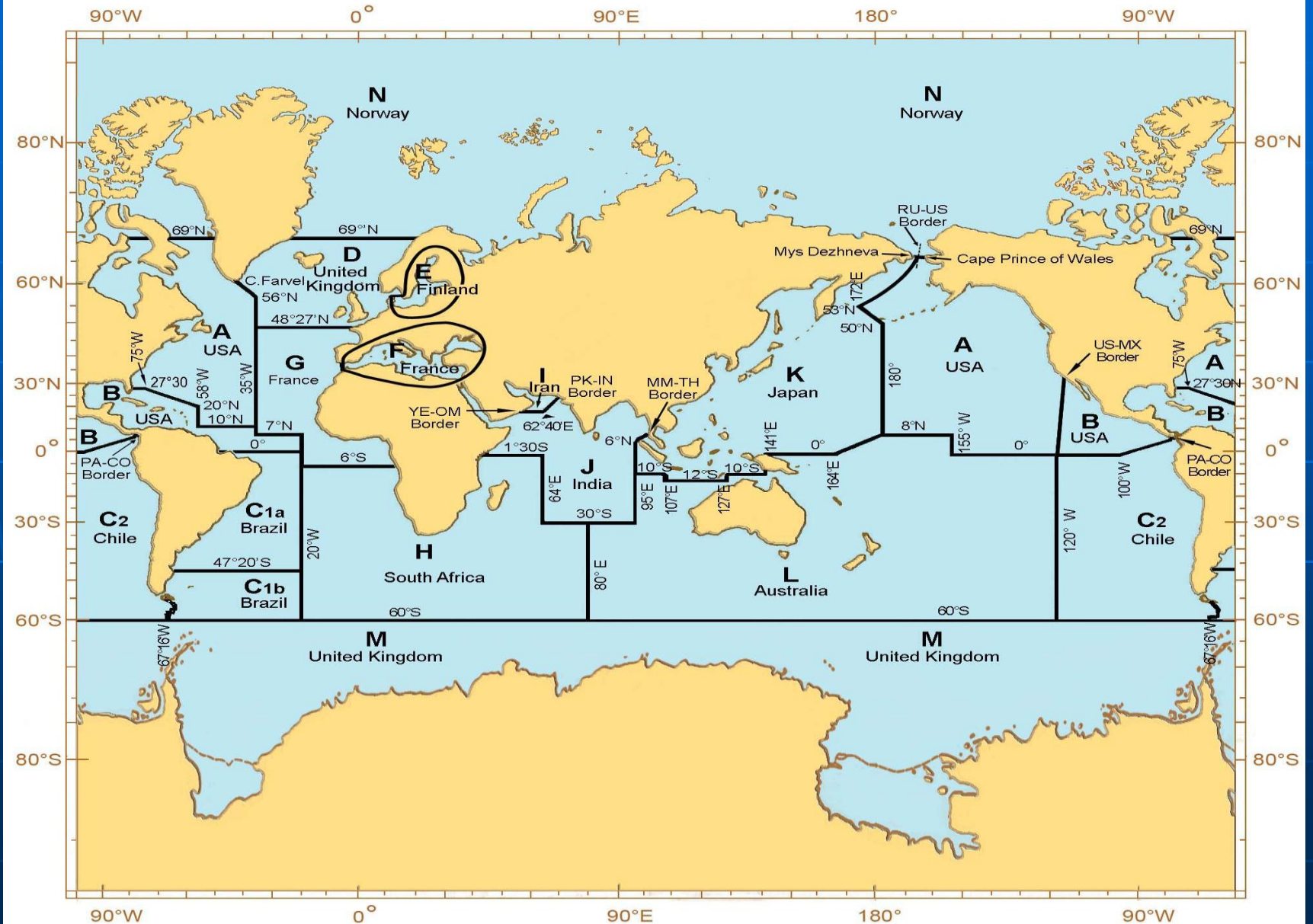
- a. M-3 – *Resolutions of the IHO*
- b. S-4<sup>1</sup> – *Regulations for International (INT) Charts and Chart Specifications of the IHO*
- c. S-11<sup>2</sup> – *Guidance for the Preparation and Maintenance of International Chart Schemes and Catalogue of International (INT) Charts*

<sup>1</sup>Edition 4.5.0 dated October 2014

<sup>2</sup>Edition 2.0.8 dated November 2013 for Region I



# INT Chart Regions



# ***Background***

1921 Article IIa of the IHO Convention states "It shall be the objective of the IHO to bring about the greatest possible uniformity in nautical charts"

1967 concept proposed:

- more economic and safer
- avoid charts of the same ocean area, with differing data, scales and limits
- one HO compiles and produces original chart to internationally agreed specifications
- other HOs able to print chart, using basic reproductive material provided by original producer nation



## ***Background (cont.)***

- 1967 IHC established Commission which developed the "Chart Specifications of the IHO"
- adopted at the 1982 IHC; specifications published as IHO Publication S-4, applicable to all INT Charts
- system of two series of small scale charts at scales of 1: 10 million (19 charts) and 1: 3.5 million (60 charts) agreed
- success of small-scale INT Chart Series led to extension of concept to include charts at medium and large scales in 1982





## ***Background (cont.)***

- need for coordinated scheme development, production and maintenance, identified
- concept of International Charting Coordination Working Groups (ICCWG) created which, on a regional basis, collaborate and coordinate activities



# ***INT Chart Terms***

- **‘INTERNATIONAL (INT) CHART’:**
  - a. is produced with limits and scale in conformity with an internationally agreed scheme of such charts;
  - b. carries the INT number of that sheet;
  - c. conforms to the Chart Specifications of the IHO (S-4 Parts B and C);
  - d. conforms to the Regulations of the IHO for International Charts (S-4 Part A)



# ***INT Chart Terms (cont.)***

- 'PRODUCER NATION' is a IHO MS which undertakes production of international chart
- 'PRINTER NATION' is a IHO MS which uses reproduction material from producer nation to print an international chart for inclusion in its own chart series.
- 'REPROMAT' abbreviation for reproduction material

Bilateral arrangements between IHO MS covering such charting are the subject of Resolution 7/1919, as amended





# ***INT Chart Concept:***

- overall objective to create compact set of medium- and large-scale charts specifically designed for planning, landfall and coastal navigation and access to ports for ships engaged in international trade
- conceived for needs of the international mariner, INT chart design uninhibited by national boundaries or political considerations



## ***INT Chart Concept (cont.):***

- Resolution 11/2002, as amended<sup>1</sup> – *Regulations of the IHO for International (INT) Charts and Chart Specifications of the IHO* – articulates regulations under which IHO member states have agreed act as Producer and Printer nations



# ***INT Chart Concept (cont.):***

- By following the principle of Producer nations making reproduction material for international charts available to Printer nations, intention is:
  - a. allow countries which do not print charts outside their national waters to do so;
  - b. by sharing the production effort, make it easier for all countries to keep their charts of foreign waters updated, and thereby to use their resources with greater efficiency



# ***Producer Nations***

- allocation of Producer Nations for INT charts is fairly straightforward
- for most medium- and large-scale INT charts, the Producer Nation is IHO MS with responsibility for charting waters covered by charts, usually nation responsible for content and creation of the final chart
- Producer nation status for any international chart does not have any political significance
- recommended, for sake of economy, national charts series designed so selected charts can be used for INT Chart series



# ***Printer Nations***

- list of potential Printer Nations included as Annex A to S-11 Part A and up-dated via replies to IHB Circular Letter
- exchange of materials required for reproduction of international charts (process in Resolution 7/1919, as amended) arranged between producer and printer nations, any financial terms and conditions agreed by bilateral arrangement
- financial arrangements should encourage and not inhibit development of worldwide international charts; no obligation for financial exchange between printers and producers





# ***INT Chart Regional Coordinator***

- coordinate regional scheme
- liaise between Producer nations to minimize overlaps and avoid gaps
- allocate INT numbers
- liaise with adjacent Regional Coordinators
- regional link with other IHO bodies (WENDWG, CSPCWG) and IHB
- provide updates to regional section of S-11



# ***Maintenance***

- need to keep schemes under continuous review
- Producer nations:
  - a. responsible for new charts, new editions and other updates
  - b. must give advanced notice of replacement chart
  - c. indicate new editions include only NtMs



# ***Maintenance***

- **Printer nations:**
  - a. take action to update adopted version
  - b. request repromat
  - c. for Limited Edition, amend adopted version if appropriate
  - d. arrange automatic supply of repromat NtM blocks with Producer nations for adopted charts



# Thank You

