



SEMINAR



**THE INTERNATIONAL HYDROGRAPHIC ORGANIZATION
HYDROGRAPHIC COMMISSION ON ANTARCTICA**

**“ IMPORTANCE OF HYDROGRAPHIC
ACTIVITIES IN ANTARCTICA ”**

XXXI ATCM, Kyiv, Ukraine

CONTENT



- 1st Presentation by RADM Ian Moncrieff, UK National Hydrographer
« **Hydrography in Antarctica** »
- 2nd Presentation by Dr. Manuel Catalan, RADM Spanish Navy
« **Hydrography and its contribution to the protection of the marine environment in Antarctic waters** »
- 3rd Presentation by Dr. Hans-Werner Schenke, AWI
« **Hydrography and its contribution to Antarctic Sciences** »
- 4th Presentation by Ing.en Chef Yves Guillam, SHOM, France
« **Hydrographic and Cartographic Statuds in Antarctica** »
- 5th Presentation by Comdr. Rod Nairn, Australian Hydrographer
« **Practical initiatives to improve hydrography and nautical charting in Antarctica** »

WHAT IS HYDROGRAPHY?



..... is that branch of applied sciences which deals with the measurement and description of the features of the seas and coastal areas for the **primary purpose of navigation** and all other marine purposes and activities, including –inter alia- **offshore activities, research, protection of the environment, and prediction services.**



WHY WE NEED HYDROGRAPHY IN ANTARCTICA?

AT LEAST :

1. TO ENABLE SAFE TO NAVIGATION
2. TO CONTRIBUTE TO SAFETY OF LIFE AT SEA
3. TO CONTRIBUTE TO PROTECT MARINE ENVIRONMENT
4. TO SUPPORT SCIENTIFIC RESEARCH
5. TO CONTRIBUTE TO SAR OPERATIONS
6. TO SUPPORT DECISION MAKING PROCESS



IHO MISSION

- *“to facilitate the provision of **adequate and timely hydrographic information** for world-wide marine navigation and other purposes, through the co-ordination of the endeavours of national hydrographic offices”*

IHO OBJECTIVES



- The **co-ordination** of the activities of national hydrographic offices ;
- The greatest possible **uniformity** in nautical charts and documents;
- The **adoption** of reliable and efficient methods of carrying out and exploiting hydrographic surveys;
- The **development** of the sciences in the field of hydrography and the techniques employed in descriptive oceanography.

IHO AND ATS RELATIONS



XV-19. Cooperation in the hydrographic charting of Antarctic waters

Recommend to their Governments that:

1. They increase their mutual cooperation in the **hydrographic survey and charting of Antarctic waters** in order to contribute to the safety of navigation, the protection of the Antarctic environment and dependent and associated ecosystems, and for scientific purposes.
2. For the purposes of **hydrographic survey and charting** and associated terrestrial surveys and mapping, **they coordinate their activities within the frameworks of IHO** and SCAR, as appropriate.

THIS ORIGINAL RECOMMENDATION WAS UPDATED
WITH RESOLUTION 3 AT THE XXVI ATCM

XXXI ATCM, Kyiv, Ukraine



HCA OBJECTIVE

COORDINATE ANTARCTIC SURVEY
PROGRAMMES AND INT CHART PRODUCTION

MAIN ACHIEVEMENTS

ESTABLISHMENT OF AN INT CHART SCHEME
WITH IDENTIFICATION OF PRODUCER NATIONS.

AGREEMENT ON A PRIORITY HYDROGRAPHIC
SURVEY PLAN TO PRODUCE THE INT CHARTS



INT CHART SCHEME

Antarctic
Peninsula



SOLAS V, REGULATION 9 (2002)

« Hydrographic Services »



Contracting Governments undertake to arrange for the collection and compilation of hydrographic data and the publication, dissemination and keeping up to date of all nautical information necessary for safe navigation.

CAN THE SOLAS PRINCIPLE BE APPLIED IN ANTARCTICA?



ARE THE ANTARCTIC TREATY CONSULTATIVE PARTIES RESPONSIBLE FOR THE PROVISION OF HYDROGRAPHIC SERVICES IN ANTARCTICA?

CAN THE ANTARCTIC TREATY CONSULTATIVE PARTIES TAKE ADVANTAGE OF THE CONCEPT UNDER REGULATION 9 IN ORDER TO ENHANCE THE PROVISION OF HYDROGRAPHIC SERVICES IN ANTARCTICA?



PRESENTATIONS

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