

HCA10-07.4Af

**IHO Hydrographic Committee on Antarctica (HCA)
10th Meeting, Cambridge, United Kingdom, 20-22 September 2010**

REPORT BY THE NAVAL HYDROGRAPHIC SERVICE

**MINISTERIO DE DEFENSA
SERVICIO DE HIDROGRAFIA NAVAL**



**Tel.: (54-11) 4301-0061/67
Fax.: (54-11) 4301-3883
Av. Montes de Oca 2124
www.hidro.gob.ar**

**(C1270ABV) Buenos Aires
REPUBLICA ARGENTINA**

1-HYDROGRAPHIC OFFICE

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2- SURVEYS

No new survey was made.

Esperanza Bay survey made in 2005 with single beam echo sounder was checked with MBES survey performed by Uruguay and Venezuela in 2007 with very good results.

Problems detected.

At the 7thHCA Meeting, Argentina reported the situation of the Icebreaker A.R.A. "ALMIRANTE IRIZAR", which is still under repair. It is expected to go back to service for summer cruise 2011/12.

3- NEW CHARTS & UPDATE

The chart INT 9156 is being published on September 20th.

4- NEW PUBLICATIONS & UPDATES

Permanent update of Nautical Publications issued by the "Servicio de Hidrografia Naval" (the Naval Hydrographic Service). In particular the Publication on the Antarctic Area:

H – 205 Derrotero Argentino Parte V. "Antártida y Archipiélagos Subantárticos Argentinos y Suplemento" (Sailing Directions Part V. Antarctica. H-205)

5- MSI

-Existing infrastructure for transmission.

- Structure in accordance with the area assigned by IMO (NAVAREA VI).
- Transmissions made through Safety NET – INMARSAT – "C" at a pre-established schedule.
- Navigational warnings with ice edges and plotting of drifting icebergs, broadcasted through Safety Net (INMARSAT).

-New infrastructure in accordance with GMDSS.

None.

-Master Plan.

None.

-Problems encountered.

None.

6- S-55

Last update: 2006

7- CAPACITY BUILDING

Once a year, the “Naval Hydrographic Service” supports the Course on Antarctic Navigation. In 2010, it’s XXIst edition was held from August 23th to September 3rd at the “Nautical School”, in Buenos Aires. The syllabus included - in addition to the specific matters on maritime safety - navigation and maneuvers in these latitudes, sea-ice areas with huge icebergs, national and international legislation, treaties and environmental protection, inter alia. Eleven officers from Foreign Navies (Chile, Bolivia, Italia, Ecuador, Paraguay, Spain, South Africa, India, and Uruguay), twenty nine officers from the Argentine Navy and eight of the Merchant Navy attended the course.

8- OCEANOGRAPHIC ACTIVITIES

-General

- Survey and processing of bathymetric data collected by the oceanographic ship ARA “Puerto Deseado” during 2009, from the NE and SE of the “Orcadas del Sur” Islands.
- Continue measurement of surface temperature and conductivity (salinity) collected by the oceanographic ship ARA “Puerto Deseado” during 2009, from the NE and SE of the “Orcadas del Sur” Islands .
- Surface sediment sampling in Endurance ridge in February / March 2009 onboard ARA “Puerto Deseado”.

-GEBCO/IBC Activities

- Review and harmonization of geographical and undersea feature names at Argentinean Antarctic Sector in contribution to SCAGI-SCAR (in progress) and other National Organizations.

-Tide Gauge Network

Minimum maintenance tasks on tidal gauge station at Esperanza Base (joint effort of University of Hawaii’s Global Sea Level Center and Servicio de Hidrografía Naval).