

BSHC 15
21-23 September 2010
Gdynia, Poland

NATIONAL REPORT OF POLAND

Executive summary

This report summarizes activities of the Hydrographic Office/Service in the field of hydrography since the previous Baltic Sea Hydrographic Commission 14th Conference in 2009.

1. Hydrographic Office / Service

AS In the IHO Yearbook

2. Hydrographic surveys

Between 1 July and 31 December 2009, in Polish waters, hydrographic surveys (only naval service) were carried out as follows:

2009

- a) 169,5 km² - HELCOM routes, Southern Baltic
- b) 293,8 km² - coastal routes
- c) ----- km²- inland waters
- d) 0,02 km² - harbour areas

2010 (until 30 June)

- e) 138,0 km² - HELCOM routes, Southern Baltic
- f) 116,0 km² - coastal routes
- g) 24,0 km²- inland waters (Wisła River, Szarpawa River)
- h) 0,2 km² - harbour areas

All surveys comply with the IHO S-44 Standards Special, 1a and 1b.

3. New Charts & Updates

ENCs:

Polish waters are completely covered with all relevant navigational bands.

Total: 48 cells in navigational purpose bands 3 – 5 (Band 3 – 16 cells, Band 4 – 9 cells, Band 5 – 23 cells).

ENCs are updated in real time.

In 2010, 28 new editions and 149 updates have been released.

ENC Distribution method

Distribution Agreement with Norwegian Hydrographic Service (PRIMAR).

RNCs

Not produced

INT Charts

2009:

1218 Bałtyk. Wybrzeże Południowe – część wschodnia
1219 Bałtyk. Wybrzeże Południowe – część zachodnia
1289 Bałtyk. Zatoka Gdańska. Podejście do portów Gdańsk i Gdynia
1295 Bałtyk. Zatoka Pomorska
1296 Bałtyk. Zalew Szczeciński

2010: 1290 Bałtyk. Zatoka Gdańska. Plan portu Gdańsk. Plan portu Gdynia
1297 Bałtyk. Zalew Szczeciński – część północna
1298 Bałtyk. Zalew Szczeciński – część południowa
1299 Bałtyk. Zatoka Pomorska. Plan portu Szczecin. Plan portu Świnoujście

National Paper Charts

Updates:

2009:

71 Bałtyk. Zatoka Gdańska – część wschodnia
260 Bałtyk. Podejście do Sztokholmu
498 Bałtyk – część środkowa

2010:

10 Bałtyk. Zalew Wiślany. Port Elbląg
41 Bałtyk. Zatoka Gdańska. Zalew Wiślany
311 Bałtyk. Część południowo – zachodnia

New charts:

2009:

45 (replacing 35) Bałtyk. Zatoka Pucka
46 (replacing 36) Bałtyk. Zatoka Pomorska. Podejście do Świnoujścia – część północna

2010: NONE

Other Charts, e.g. for pleasure craft

2009 & 2010:

- 3020 Bałtyk. Od Świnoujścia do Szczecina
- 3021 Bałtyk Południowy. Środkowa część wybrzeża polskiego
- 3022 Bałtyk. Zatoka Gdańska i Zalew Wiślany (in co-operation with BSH)

Problems encountered: - the INT 1290, planned for 2009, had to be rescheduled for 2010 due to prolonged dredging works in the Port of Gdynia.

4. New publications & Updates

Updates:

2009 & 2010:

- 502 - Baltic Pilot. Polish Coast
- 521 - List of Lights
- 553 - Maritime Buoyage System
- 551 - Symbols, abbreviations, terms used on charts published by HOPN

In addition: updates of the List of Lights – 521, 522 and List of Radio Signals – 532 are scheduled to be released in Oct 2010.

5. MSI

Existing Infrastructure for Transmission

Playing the role of the National Hydrographic Service, HOPN is also a part of the general Polish Maritime Administration and operates as the National Coordinator of Navigational Warnings in the Polish Area of Responsibility. NAVTEX Service covers Polish waters, with messages being transmitted by the Witowo-Radio. In total, in 2009, 291 Navigational Warnings were promulgated by HOPN as Coastal and Subarea NavWarns. Now, HOPN is developing new software editing NavWarns and creating NavWarns records (complies with IHO/IMO/WMO guidelines laid down in COMSAR 13/14, IHO S-53).

6. S-55

Latest update (Tables)

See Annex 1 - 2

7. Capacity Building

A concept of the National System of Marine Geospatial Information is envisaged to be developed during next few years.

8. Oceanographic activities

The Maritime Branch of the Institute of Meteorology and Water Management of Gdynia is the organization responsible for oceanographic activities in Poland. Digital forecast of water temperature, salinity, currents, sea level, and ice for the Southern Baltic are based on the HIROMB model.

GEBCO/IBC's activities:

Tide gauges network - two automated stations, measuring water level, were deployed in Ustka and Gdańsk in November 2004 within the framework of the EU funded PAPA Project.

New equipment - new Ship-of-Opportunity (SOOP) equipment was installed onboard Stena Nordica ferry, plying the Gdynia and Karlskrona route. Funded by the Baltic Sea Regional Project (BSRP), the equipment measures water temperature, salinity, oxygen, fluorescence, and can collect samples of water for further analysis.

Problems encountered: NONE

9. Other activities

Participation in IHO Working Groups

BSHC and working groups established within the Commission (Monitoring Group, Group for the Seawater Level, BSICC)

PRIMAR-Stavanger – PSAC and the Technical Experts Working Group

IMO – NAV Subcommittee

Meteorological data collection – The Maritime Branch of the Institute of Meteorology and Water Management of Gdynia is the organization responsible for weather forecast covering five areas of the Baltic Sea: western, southern, southeastern, central, and northern. The Institute maintains a network of weather stations along the Polish coast and collects data captured during meteorological measurements taken by commercial and research vessels.

Geospatial studies – In the immediate years, it is planned that a concept of a National System of the Marine Geospatial Information will be developed.

Environmental protection – The Maritime Branch of the Institute of Meteorology and Water Management of Gdynia is the organization responsible for the environmental monitoring along the Polish area of the Baltic Sea (HELCOM Combine).

Astronomical observations – NONE

Magnetic/Gravity surveys – NONE

International etc.

**Annex 1
Basic Data**

Maritime Nation/Area	Nation or Area Code	Region ID	Nation or Area (N or A)	EEZ (sq km x 1000)	Length of Coastline (km)	Data for S-55 Edition No.	Latest Update	IHO Member State
Poland	PL	EU	N	33.2	524.0	1	Apr-07	Y

**Annex 2
Hydrographic Resources**

Maritime Nation/Area	Hydrographic Surveying Vessels				Hydrographic Personnel /Polish Navy only/		Positioning Methods		
	> 100 m	50 m - 100 m	25 m - 50 m	< 25 m	Specialists	Assistants	Long > 40 km	Medium 5-40 km	Short Range
Poland		2		5	14	12	DGPS	DGPS	DGPS RTK