

## **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 19th Conference in 2014.

### **1. Hydrographic Office / Service**

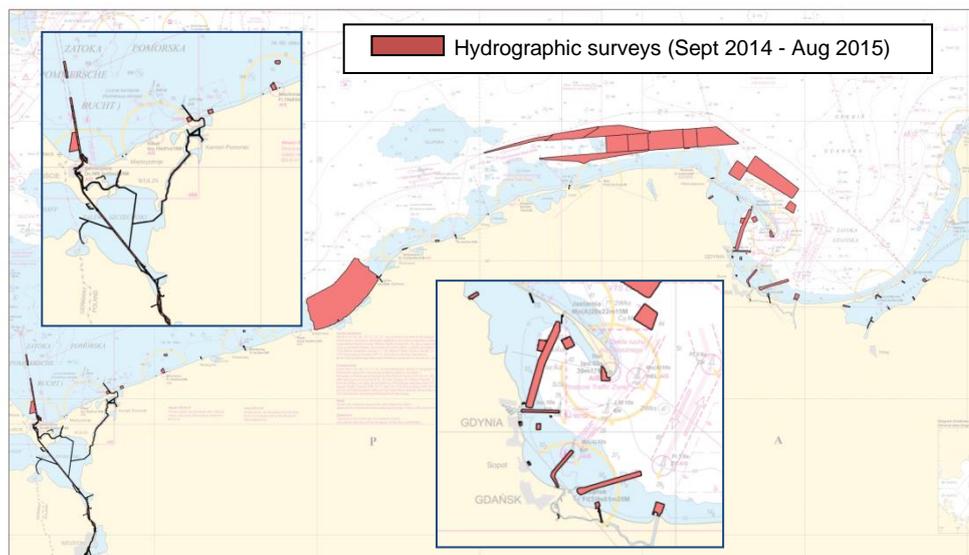
As In the IHO Yearbook

### **2. Hydrographic surveys**

Between 1 September 2014 and 14 August 2015, in Polish waters, hydrographic surveys were carried out as follows:

- 294 km<sup>2</sup> - HELCOM routes, Southern Baltic
- 453,8 km<sup>2</sup> - coastal routes
- 30 km<sup>2</sup> - inland waters
- 106,12 km<sup>2</sup> - harbour areas

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





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### 3. New Charts & Updates

#### ENCs:

Polish waters are completely covered with all relevant navigational bands.  
Total: 59 cells in navigational purpose bands 2 – 5 (Band 2 – 1 cells, Band 3 – 15 cells, Band 4 – 13 cells, Band 5 – 30 cells).

ENCs are updated in real time.

In the year 2014 – 4 new cells, 6 new editions and 335 updates have been released.  
In the year 2015 (till 14 August) - 6 new editions and 176 updates have been released.

#### Status of eliminating overlaps.

Status of overlaps is permanently checked. Currently we have minor overlaps less than 5m on border between Germany and Denmark. With Russia the overlaps are bit major, in same area between 5m to 80m but the area are little important for navigation.

#### Status of CATZOC.

Values A1, A2, B and C of CATZOC are encoded in our ENCs. A1 and A2 is used in areas when we have survey data captured modern survey techniques (multi-beam echo-sounders).

In general to B we qualified areas where the data had been captured with single beam echo sounders and are good quality. To C we qualified the rest of our see areas. Based on coming to Office better quality survey data the CATZOC coverage is permanently updated.

#### ENC Distribution method

All the Polish ENCs are distributed through a network of PRIMAR authorized distributors.

#### RNCs

Not produced

#### INT Charts

2014:

- 1299 Bałtyk. Bałtyk. Zatoka Pomorska. Plan portu Szczecin. Plan portu Świnoujście
- 1298 Bałtyk. Zalew Szczeciński – część południowa
- 1218 Bałtyk. Wybrzeże południowe – część wschodnia
- 1219 Bałtyk. Wybrzeże południowe – część zachodnia
- 1021 Bałtyk – część południowa

## National Paper Charts

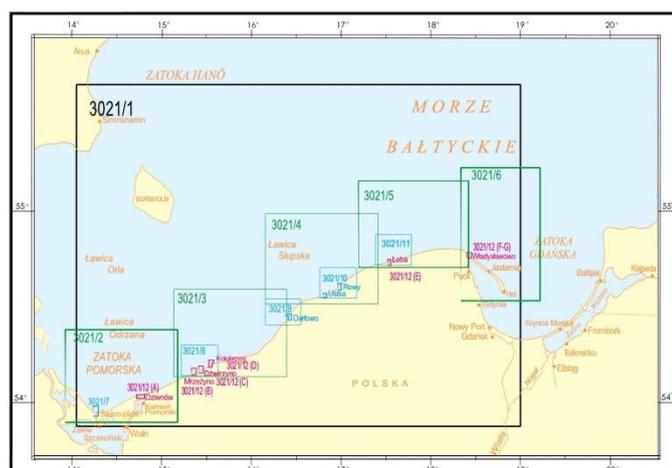
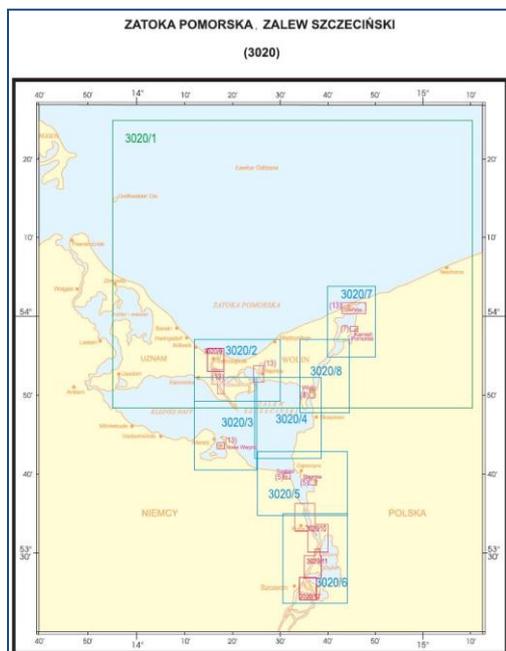
2014:

- 53 Bałtyk. Wybrzeże Polskie. Podejście do portu Łeba
- 63 Bałtyk. Wielki Bełt – część południowa
- 64 Bałtyk. Wielki Bełt – część północna
- 65 Bałtyk. Wybrzeże duńskie. Od Vejle do Samsø
- 67 Bałtyk. Wybrzeże duńskie. Smålandsfarvandet
- 68 Bałtyk. Cieśnina Sund. Część południowa
- 127 Bałtyk. Wybrzeże duńskie. Wielki Bełt
- 256 Bałtyk. Od Kłajpedy do Pawłosty
- 257 Bałtyk. Zatoka Ryska
- 311 Bałtyk. Część południowo – zachodnia
- 495 Bałtyk. Zatoka Botnicka – część północna

2015:

- 53 Bałtyk. Wybrzeże Polskie. Podejście do portu Łeba
- 63 Bałtyk. Wielki Bełt – część południowa
- 261 Bałtyk. Podejście do Zatoki Fińskiej i Zatoki Botnickiej
- 258 Bałtyk. Od Gotland do Saaremaa
- 259 Bałtyk. Od Kalmarsund do Gotska Sandön
- 260 Bałtyk. Podejście do Sztokholmu
- 269 Bałtyk. Kattegat

## Other Charts, e.g. for pleasure craft



2014:

- 3020 Zatoka Pomorska, Zalew Szczeciński
- 3021 Od Zatoki Pomorskiej do Mierzei Helskiej

2015:  
3022 Zatoka Gdańska, Zalew Wiślany



Problems encountered: NONE

#### 4. New publications & Updates

Updates:

2014 & 2015:

522 - List of Lights, Vol 2, Ed. 2014

532 - List of Radio Signals, Ed. 2014

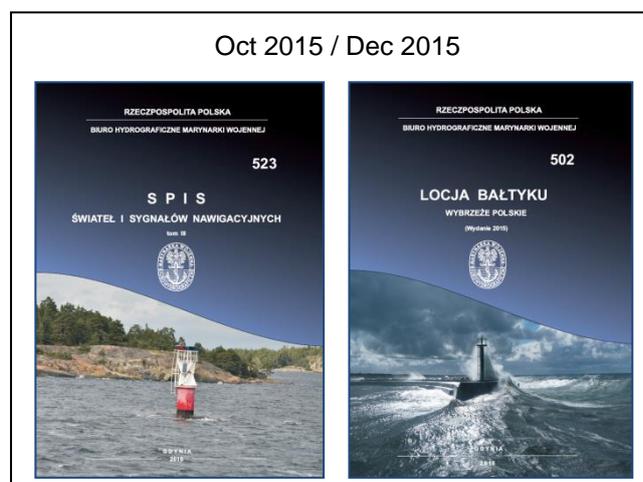
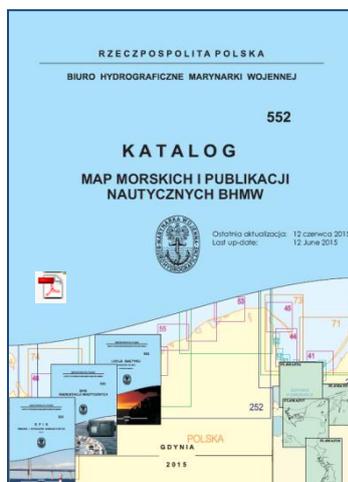
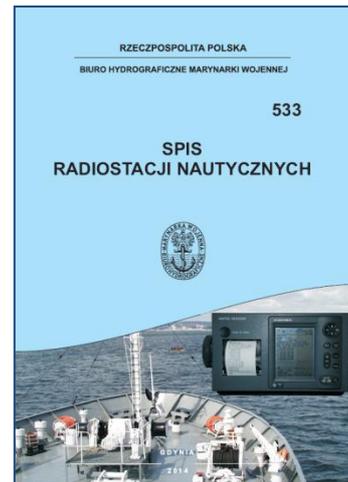
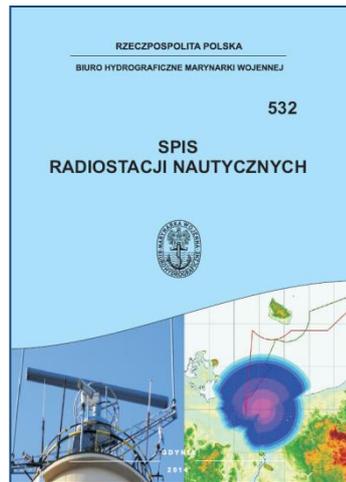
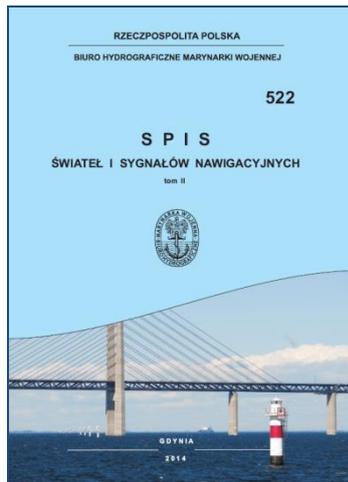
533 - List of Radio Signals, Ed. 2014

552 – Chart Catalogue, Ed. 2015 as the PDF file only ([www.bhmw.mw.mil.pl](http://www.bhmw.mw.mil.pl))  
or ([www.hopn.mw.mil.pl](http://www.hopn.mw.mil.pl)) – tab Publication – Nautical publication/Chart Catalogue/pdf.

In addition:

523 - List of Lights, Vol 3, Ed. 2015 is scheduled to be released  
in Sept / Oct 2015

502 – Pilot Book Polish Coastal, Ed. 2015 is scheduled to be released  
in Oct 2015 or Dec 2015.



## 5. MSI

### Existing Infrastructure for Transmission

Since HOPN plays the role of the National Hydrographic Service, it 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 2014, 185 Navigational Warnings were promulgated by HOPN as Coastal and Subarea NavWarns. In 2015, until 14 August, HOPN promulgated 164 NavWarn.

## 6. S-55

Latest update 8 SEPTEMBER 2012

## 7. Capacity Building

Poland has not been active in the area of capacity building during the period.

## 8. Oceanographic activities

The Maritime Branch of the Institute of Meteorology and Water Management – National Research Institute in Gdynia is the organization responsible for oceanographic services in Poland. It provides daily forecasts of water temperature, salinity, currents, sea level, and ice for the Southern Baltic are based on the HIROMB model as well as local models for the Gulf of Gdansk and Vistula Lagoon and Pomeranian Bay. All forecasts are available in the internet.

GEBCO/IBC's activities:

Tide gauges network of MB of IMWM-NRI in Gdynia - automated stations measuring water level along Polish coast of the Southern Baltic Sea.

Ferry-Box system of MB of IMWM-NRI in Gdynia installed onboard of the ferry of Stena Line Company, plying the Gdynia and Karlskrona route. The system measures water temperature, salinity, oxygen, fluorescence, and can collect samples of water for further analysis under way.

Problems encountered: NONE

## 9. Other activities

1. The HOPN advises the BSHC State Members that in 2015, it completed to train the crews of four hydrographic motor boats, purchased by the Polish Navy in 2014. In general, the personnel of sixteen (four crews, four persons each) received the training. The training's level of competency met the laid down for the Category B hydrographers. Currently, the boats (MH-1, MH-2, MH-3 and MH-4) are surveying areas along Polish coasts. Moreover, based on experience that has been gained during numerous hydrographic works, maximal sea conditions have been defined for MBES systems, i.e. sea state 3 for the Gulf of Gdansk, Bay of Pomerania, Vistula Lagoon and Szczecinski Lagoon and sea state 2 for the rest of the areas along Polish coasts, with the idea behind the definitions being to capture only the top-notch hydrographic data despite claims made by the MBES, HPR and MRU manufacturers that 3 to 4 sea are still adequate and to operate the boats efficiently.



2. The HOPN was a co-organizer of the Polish 2015 World's Hydrographic Day. This year, the main celebrations have been held in Szczecin (27 June, 2015), in an open formula where general public had many opportunities to take part in:
- a) A conference on hydrographic surveys and nautical charts' compilation,
  - b) Visiting hydrographic ships, both the military and civilian, and
  - c) A geo-matching city game, with the main theme of it being marine hydrography.



3. The HOPN has also purchased the CARIS HPD software, trained selected personnel and started to download its data to the database system. It is planned to full implement the HPD within about 1.5 - 2 years.

