

# National Report for Hydrographic Activities BSHCC12 Latvia

## Structure for National Reports to Regional Hydrographic Commissions

### Executive summary

This report summarizes activities of Latvian Hydrographic Service since last Baltic Sea Hydrographic Commission Conference in 2005.

### 1. Hydrographic Office / Service:

Latvian Hydrographic Service is one of the Departments of the Maritime Administration of Latvia (MAL). MAL is under the supervision of Ministry of Transport. To optimise resources and improve operational processes Maritime Administration of Latvia has a status of a State Stock Company.

Latvian Hydrographic Service (LHS) is a civil organisation and consists of three divisions – Hydrographic Surveying, Cartography, Aids to Navigation. Division of Aids to Navigation is responsible for Maritime Safety Information, NtMs, Control of Aids to Navigations in Latvian waters.

There are some changes in the organisation with the regard to staff. Ms Diana Pakalne has been approved as Head of Hydrographic Division. Mr. Aigars Gailis has taken over the post of Deputy Head of Hydrographic Service.

### 2. Surveys:

#### Coverage of new surveys

LHS is responsible for the surveying in the territorial waters and EEZ of the Republic of Latvia. Three largest Latvian ports run their own survey teams, two of them are operating multibeam systems. The survey process of these three teams is according to S-44 and their data is used on new editions of the charts for the relative ports.

LHS carries out both surveys as authorised by the government (HELCOM, Charts) and commercial orders. Every year all the ports and approaches are resurveyed. Most of surveying is carried out in open sea area – approx. 90%, other 10% are surveys within ports. Main activity is HELCOM Resurvey Plan (see Fig.1), area surveyed in 2005 – 400 km<sup>2</sup>, in 2006 – 280 km<sup>2</sup>.

#### New technologies and /or equipment

None

#### New ships

None

#### Problems encountered

Education possibilities for Hydrographic Surveyors

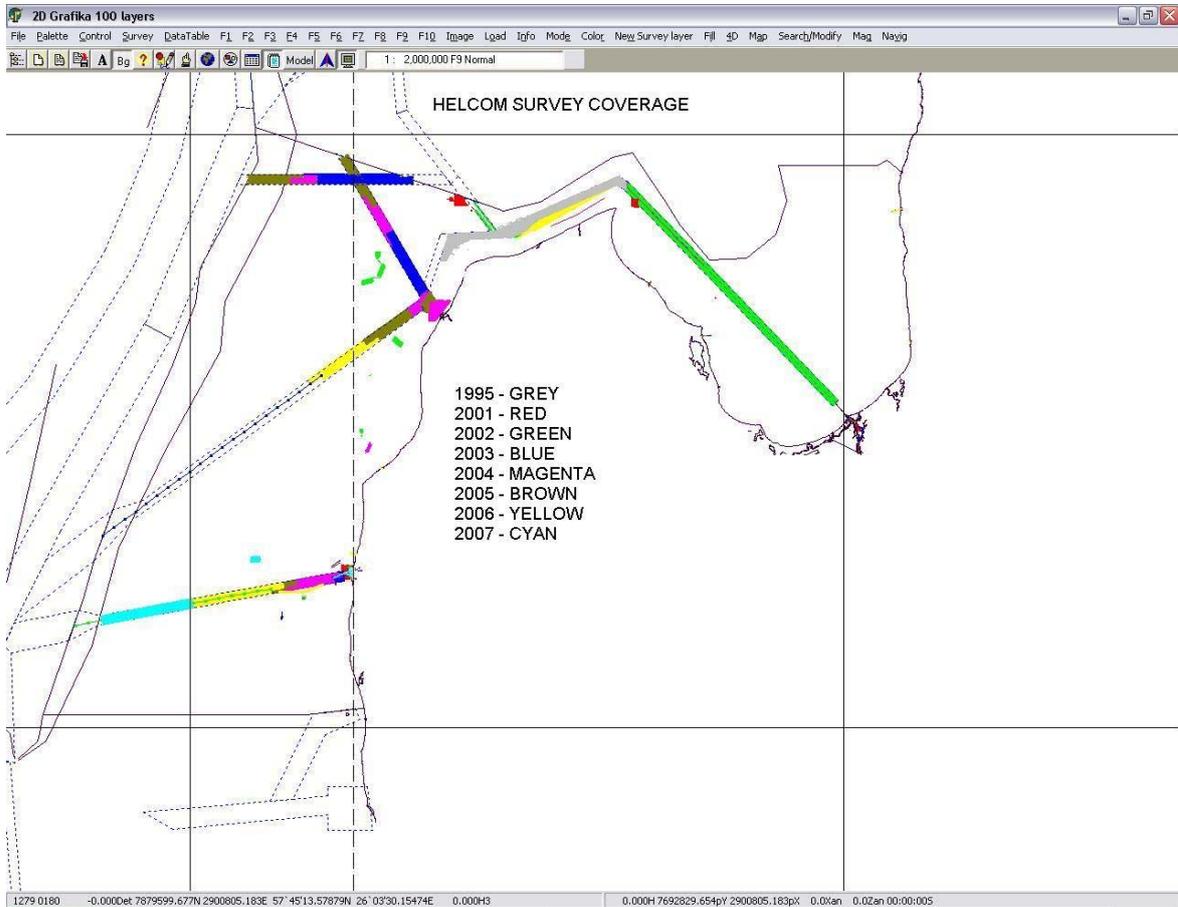


Fig.1 Latvian HELCOM Survey coverage

### 3. New charts & updates:

#### ENCs:

LHS has completely covered the waters of Latvian responsibility with all relevant navigational bands for the waters of Latvian responsibility

Total: 21 cell in navigational purpose bands 2 – 5.

ENCs are updated on a monthly basis.

#### ENC Distribution method:

LHS has signed Distribution Agreements with: Norwegian Hydrographic Service (PRIMAR – Stavanger), Transas DataCo Ltd, C- Map Norway AS, Garmin Ltd, Tridentnav Systems HB, Hamilton Global Management Ltd.

Official ENC's are distributed by PRIMAR Stavanger, Transas DataCo Ltd, C- Map Norway AS.

Derived Products are distributed by Transas DataCo Ltd, C- Map Norway AS, Garmin Ltd, Tridentnav Systems HB, Hamilton Global Management Ltd.

#### RNCs:

Not produced

**INT charts:**

Till 2006 Latvia was producing and updating 5 INT charts. Then Latvia was assigned 5 additional INT chart numbers for 3 main port charts, which was previously produced in national chart series. In 2006 the first two for the port of Ventspils were published with the assigned INT numbers. The next edition of chart for the port of Riga, now as INT chart, will be published at the end of this year. In 2006 the 2nd edition of INT 1276 was issued and in 2007 – 2nd edition of INT 1275 was issued.

**National paper charts:**

The portfolio of the currently updated nautical charts for the Latvian waters comprises 23 charts produced in accordance to international standards. Since 2005 up to now Latvian HO has issued 6 new editions of these charts.

**Other charts, e.g. for pleasure craft**

In 2002 “Set of Charts of Latvia for Yachts” was published and reprinted in 2006 and 2007. This publication is not being updated. It is planned to have a new edition of this publication in 2008.

**Problems encountered**

No problems have been encountered.

**4 New publications & updates:****New Publications**

New publications have not been published since last BSHCC11.

**Updated publications**

Catalogue of Navigational Charts and publications is updates on regular basis.

**Means of delivery, e.g. paper, digital**

Some of the publications are available on the web without any charge including NtM, Chart Catalogue, List of Lights. LHS offer to purchase publications on paper – Navigational charts, Chart Catalogue, Symbols and Abbreviations, NtM, List of Lights, Sailing Directions.

**Problems encountered**

None

**5. MSI****Existing infrastructure for transmission.**

National GMDSS VHF network along coastline for local Navigational Warnings. Service is provided by Latvian Navy twice per day on VHF only in English..

NAVAREA 1 Baltic sea sub area Co-ordinator Sweden is responsible for NAVTEX Service over Latvian waters and messages are transmitted by Swedish and/or Estonian transmitters. NAVTEX information available on the web.

### **New infrastructure in accordance with GMDSS Master Plan**

GMDSS network covering areas A1 and A2. No new construction during last Year.

### **Problems encountered**

Nothing to report

### **6. S-55 Latest update (Tables)**

See Annex 1

### **7. Capacity Building**

#### **Offer of and/or demand for Capacity Building**

Nothing to report

#### **Training received, needed, offered**

Training courses to improve qualification would be desirable for surveyors and cartographers.

Training for new employees will be required in the close future.

### **8. Oceanographic activities**

Nothing to report

### **9. Other activities**

#### **Participation in IHO Working Groups**

LHS is taking part in CBC, have participated in WEND10.

#### **Meteorological data collection**

None

#### **Geospatial studies**

Cooperation with involved institutions to prepare for INSPIRE Directive

**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
Latvia	LV	EU	N	28.3	454.0	1	May-07	Y

**Annex 2  
Hydrographic Resources**

Maritime Nation/Area	Hydrographic Surveying Vessels				Hydr. Staff		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
Latvia				5	7	4	DGPS	DGPS,	DGPS RTK

**Annex 3  
Status of Hydrographic Surveys**

Maritime Nation/Area	Data Y/N?	State of Hydrography d<50m			State of Hydrography 50m<d<200m			State of Hydrography d>200m		
		% adequate	% resurveyed	% unsurveyed	% adequate	% resurveyed	% unsurveyed	% adequate	% resurveyed	% unsurveyed
Latvia	Y	70	30	0	50	50	0	0	0	0