



REPUBLIC OF CYPRUS

**NATIONAL REPORT OF CYPRUS
TO THE
19th MEDITERRANEAN AND BLACK SEAS HYDROGRAPHIC
COMMISSION (MBSHC)**

BATUMI MEETING 30 JUNE TO 02 JULY 2015

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Hydrographic Office / Service:	
<p>Department of Lands and Surveys</p> <p>29 Michalakopoulou street 1455 Nicosia CYPRUS</p>	<p>The Council of Ministers of the Republic of Cyprus with its decision number 513/7 established Cyprus National Hydrographic Committee (CNHC) which will deal with all hydrographic matters in the country. The CNHC was formed by the Departments of Lands and Surveys, Public Works, Geological Survey, Fisheries and Marine Research, Merchant Shipping and the Cyprus Ports Authority.</p> <p>The CNHC decided that although the CNHC presented progress, a Hydrographic Office (HO) should be established. A legislation which would authorize the Department of Lands and Surveys to act as an HO in order to take advantage of its structure, know-how and experience in surveying and cartography, and to keep the costs on the lowest level.</p> <p>On 11/07/2014 the law concerning, the organisation and conduct of hydrographic activities and issuance of nautical charts, was voted by the House of Representatives of the Republic of Cyprus. The above law gives the authority to Department of Lands and Surveys (DLS) to act as a HO. The CNHC will continue its work under different status, and terms of reference.</p> <p>Structure: The Director of Lands and Surveys Department is the Hydrographer of Cyprus. The DLS has a Hydrographic Unit which deals with all aspects of Hydrography and Nautical Cartography. It is under the supervision of the Geodesy-Special Cartography Branch.</p> <p>Personnel: The Hydrographic Unit has 5 employees. Two persons have been trained by UKHO in Nautical Cartography. The training was offered once from UKHO (2006) and once by IHO (2012) under the Capacity Building.</p> <p>DLS has bilateral agreements with the Hellenic Navy Hydrographic Service (Memorandum of Understanding) and the United Kingdom Hydrographic Office (Exchange of Letters).</p> <p>The Director of IHO Mr Robert Ward made an official visit to DLS last April. During his visit in Cyprus he was informed about the last developments and many matters of common interest were discussed.</p> <p>Presently a National Land and Hydrographic Data Base is being prepared. The Database contains various layers, land, air, hydrographic and Law of the Sea data. Access to the National Hydrographic Data base have all members</p>

		of the CNHC.
Surveys:		
Coverage of new surveys.		<p>The DLS conducted a Hydrographic Survey using an Airborne LiDAR Bathymetry system. The survey coverage is shown in Annex 1. The order of the survey is 1b and the technical specifications were prepared by UKHO in cooperation with DLS. The survey is part of the INTERREG Greece–Cyprus 2007-2013 program, which its basic aim is maritime spatial planning.</p> <p>So far the Republic of Cyprus has covered the south coast from the coastline to 40-50m depth (see Annex 2), with hydrographic data (order 1b).</p> <p>The DLS is planning for the next two years to conduct hydrographic surveys (order 1a) from 50m – 200m depth (see annex3).</p>
New technologies and /or equipment		DLS handles its database with ESRI software. Also it has Caris software to handle various Hydrographic – Cartographic – Law of the Sea applications.
New ships		None
Problems encountered		None
<u>New charts & updates:</u>		
ENCs		No new ENCs have been produced beyond the ones produced by the UK Hydrographic Office.
ENC Distribution method		UK Office Distribution
RNCs		None
INT charts		No new INTs
National paper charts		<p>Chart DLS 1001 has been produced and it is only for intergovernmental use because there is no NM infrastructure.</p> <p>Co-production of UKHO chart 850 with UKHO is in the initial stages. The delays are due to the increased hydrographic activity undertaken by DLS.</p>
Other charts, e.g. for pleasure craft		Various coastal maps were prepared for use by government departments, members of the CNHC. These include maps showing Maritime Zones, maps for prevention of coastal erosion, maps for coastal management etc.
Problems encountered		Lack of NMs infrastructure
<u>New publications & updates:</u>		
New Publications		None
Updated publications		None
Means of delivery, e.g. paper, digital		N/A
Problems encountered		N/A
MSI		
Existing infrastructure for		MSI data is transmitted by the Cyprus Joint Research

	transmission	Coordination Centre.
	S-55	
	Latest update (Tables)	Latest data were supplied.
	Capacity Building	
	Offer of and/or demand for Capacity Building	Demands: Training on Hydrography, ENC.
	Training received, needed, offered	Training received: None
	Oceanographic activities	
	General	Oceanographic Activities are carried out by the Department of Fisheries and Marine Research and the Cyprus Oceanography Centre of the University of Cyprus. The data are shared amongst the members of the CNHC.
	GEBCO/IBC's activities	None
	Tide gauge network	There are four tide gauges collecting data. They are located at the port of Pafos, at the fishing shelter of Zygi, at the marina of Larnaka and at the fishing shelter of Protaras (see Annex 4). They are operated by the Cyprus Oceanography Centre of the University of Cyprus.
	New equipment	N/A
	Problems encountered	N/A
	Other activities	
	Participation in IHO Working Groups	N/A
	Meteorological data collection	Data are collected by the Cyprus Meteorological Service.
	Geospatial studies	<p>The Department of Lands and Surveys is participating in an INTERREG Greece–Cyprus 2007-2013 program. Its main objective is maritime spatial planning. A census of all maritime activities has been created and all relevant data have been imported in the National Land and Hydrographic Data Base.</p> <p>The DLS is a member of two National Working Groups (WG) responsible for Maritime Spatial Planning (MSP) and Integrated Coastal Zone Management (ICZM). The Department of Merchant Shipping chairs the MSPWG and the Department of Environment chairs the ICZMWG.</p>
	Disaster prevention	The Cyprus Oceanography Centre is monitoring the sea level for the eastern Mediterranean Sea and cooperates with IOC.
	Environmental protection	<p>The Department of Merchant Shipping controls via VTMIS the maritime traffic and is responsible for oil spill prevention.</p> <p>When an oil spill occurs, the Department of Fisheries and Marine Research takes action with its own means. If the scale of the problem is not manageable then the Department of Merchant Shipping takes over.</p>

		The Department of Environment is responsible for the implementation of environmental legislation in Cyprus.
	Astronomical observations	None
	Magnetic/Gravity surveys	None
	Other activities	None
	Conclusions	
	<p>The Cyprus National Hydrographic Committee gradually led to the creation of a Hydrographic Office which is under the supervision of Department of Lands and Surveys.</p> <p>The Department of Lands and Surveys is preparing a National Land and Hydrographic Data Base which will be used mainly for charting and other applications such as: maritime spatial planning, coastal management etc. It has invested in buying software specialised for hydrographic activities and in training its personnel on Hydrography. Also, under its supervision, many surveys were commenced in order to provide new data to the Hydrographic Community.</p> <p>Cyprus has shown in the past two years constant development on Hydrographic activities which tends to continue.</p>	



