ISLAMIC REPUBLIC OF IRAN

Ministry of Roads and Urban Development



Ports and Maritime Organization (PMO)

National Report to the 9th ROPME Sea Area Hydrographic Commission

Muscat, Sultanate of Oman 15-17 November 2022

Executive Summary

Background:

The Islamic Republic of Iran joined IHO in 1961, and all the hydrographic activities therein are organized by the Iranian National Hydrographic Committee. The main task of this Committee is to monitor the implementation of activities, such as hydrography, production and publishing of navigational charts, with the aim of enhancing the safety of navigation in Iranian waters and ports. The provision of accurate and up-to-date charts fosters significant economic and commercial benefits through facilitation of maritime trade and other marine activities.

Mission:

The mission of the Iranian National Hydrographic Committee is to ensure the provision of adequate and timely hydrographic information, to the international maritime community and other domestic parties (e.g. offshore constructions, research activities etc.).

Objectives:

The objectives of the Committee are:

- 1- Coordinating national hydrographic activities;
- 2- Establishing full coverage of chart mosaic for the Iranian waters and ports;
- 3-Harmonizing national nautical charts, documents and publications; and
- 4- Establishing bilateral or multilateral cooperation with other IHO members and regional States.

1. Hydrographic Office/Service

PORTS AND MARITIME ORGANIZATION (PMO) Directorate General of Maritime Safety and Marine Environment Protection No. 1, Shahidi Street, Shahid Haghani Highway, Vanak Square Tehran, Iran					
Department of which the Hydrographic Officer is Part	Ministry of Roads and Urban Development				
Principal functions of the H.O.	 Safety of Navigation Hydrographic Survey Notice to Mariners Chart Production ENC Production MSI Services 				
National Day					
Telephone: Fax: E-mail of Contact Person:	+9821 84932717, +9821 84932177, +9821 84932810, +9821 84932152 +9821 8493 2190 akrostami@pmo.ir Akbar ROSTAMI parizi@pmo.ir Gita B. ERAHIMI Fheidarirad@pmo.ir Fatemeh Heidari Rad				
Date of establishment and Relevant National Legislation	June 1961				
Name and Rank of Director or Head	Mr. NADER PASANDEH Director General of Maritime Safety and Marine Environment Protection Tel: +9821 84932171 Fax: +9821 8493 2190 E-mail: pasandeh@pmo.ir				

Tonnage	Year 2021 = 14,718,404 GT				
Staff employed - Hydrographers (Name and rank of managing staff)	Mr. S. R. NOURBAKHSH Mr. P. ZAREIAN Mr. M. SHAFIEE Mr. F. JAMSHIDI Ms. A. MOJTAHEDI				
Cartographers (Name and rank of managing staff)	Ms. A. MOJTAHEDI Ms. A. SADEGHIAN Ms. M. ABSDOL HOSSEIN Mr. A. HASHEMI Ms. L. DINDAR Mr. A. ROSTAMI				
Administrators (Name and rank of managing staff)	Mr. A. ROSTAMI Mr. A. SOLTAN POUR Mr. M. AKBARI				
Other staff	150 Persons				
No. of Paper Charts Published No. of ENC Charts Produced	2,955 Digital Charts in CARIS format 105 Cells				
IRAN ABNEGAR hydrographic vessel EKTESHAF NAYBAND PERSIAN GULF 85 Dolphins 1-5 AKAM Metal Vessels (Abnegar 1) Fiber glass boats (Abnegar 2)	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
Other information of interest	 According to the Iranian national law, Ports and Maritime Organization (PMO) has the responsibility for all maritime activities, including: 1- Maritime safety and marine environment protection; 2- Aids to navigation in Iranian territorial waters and waterways; 3- All the activities related to hydrography, as well as ENC and paper chart production are coordinated by the National Hydrographic Committee, established in 2003 in PMO. * Other governmental organizations, such as NCC (National Cartography Center) & NGO (National Geographical Organization) have the responsibility of hydrographic survey and also ENC and paper chart production in territorial waters and waterways. 				

2. Hydrographic Surveys

- a) Since February 2019, our new surveys have covered:
 - Parts of the Persian Gulf, including offshore areas Jazireh Farsi to Khowr-e Musa, Kangan and South Pars Oil Field
 - Nowshahr Port in the Caspian Sea.

b) New technologies and/or equipment:

- DGPS with radio ability
- Motion sensors
- Single-beam echo sounders
- Multi-beam echo sounders
- Side-scan sonar
- Sub-bottom profiler
- Magnetometer
- Sound velocity probes (SVP) & CTD sensors
- Electronic tide gauges
- ADCP & current meters
- Hydrographic data collection software
- Multi-beam data processing software
- Paper, digital & ENC charts producing software
- Physical & chemical laboratories
- Monitoring maritime phenomenon
- Establishment of hydrographic model

c) New ships which are doing the hydrographic surveys are: No

d) Problem encountered: No

3. New Charts & Updates

e) ENCs:

I.R. of Iran has produced:

- Until November 2022:
- Released ENCs: 105 cells
- Updated and edited cells: 238
- From Feb. 2019 to Nov.2022:
 - 21 new ENC cells were released for the Persian Gulf and Gulf of Oman, and 13 ENCs for the Caspian Sea; and
 - 99 cells were updated and edited in the Persian Gulf and Gulf of Oman, and 29 cells in the Caspian Sea.

f) ENC Distribution Method

An agreement in this regard has been signed with PRIMAR, Norway.

g) RNCs

Not applicable - Iranian charts are in vector format.

d) INT Charts

Following Iranian charts are according to INT chart scheme in the area "I".

	Jule
1 IR3002 7208 Bandar-e Shahid Bahonar to Jazire-ye Ho	ormoz 1:30000
2 IR3010 7210 Jazire-ye Qeshm to Jazayer-e Hormoz & I	Larak 1:50000
3 IR3012 7207 Approaches to Bandar-e Shahid Bahonar and	Bandar-e Shahid Rajai 1:50000
4 IR3016 7237 Bandare-e Lengeh	1:25000
5 IR3017 7305 BushehrS	1:25000
6 IR3021 7302 Approaches to Bandar-e Genaveh	1:25000
7 IR3025 7228 Khalij-e Nay Band	1:25000
8 IR3027 7309 Bandare-e Taheri	1:25000
9 IR3031 7306 Jazire-ye Kharg	1:25000
10 IR3040 7240 Khalij-e Nay Band and Approaches to Band	ndar-e Pars 1:30000
11 IR3050 7308 Bandar-e-Shahid Rajaee	1:10000
12 IR3051 7283 Bandar-e-Emam Khomeini	1:25000
13 IR3052 7280 Khowr-e-Musa Middle Part	1:25000
14 IR3054 7231 Approaches to Bandar-e Kaveh	1:30000
15 IR3056 7257 Damaghe- ye Motaf	1:25000
16 IR3059 7247 Approaches to Bandar-E Javadol Aemme	h 1:25000
17 IR3060 7234 Jazire-ye-Kish	1:25000
18 IR3070 7205 Bandar-e-Shahid Rajai	1:25000
19 IR3072 7297 Bahregan to Oil Field to Emam Hassan	1:100000
20 IR3073 7304 Bandar-e Genaveh to Jazireh-ye Kharg	1:100000
21 IR3074 7307 Bandar-e Bushehr to Bandar-e Rostami	1:100000
22 IR3075 7251 Bandar-e Rostami to Kangan Oil Field	1:100000
23 IR3076 7253 Kangan Oil Field to Kangan	1:100000
24 IR3077 7256 Bandar-e Pars to Tombak & Teben	1:100000
25 IR3078 7242 Bandar-e Javadol_Aemmeh to Jazireh-ye	Lavan 1:100000
26 IR3079 7221 Jazireh-ye Kish to Jazireh-ye Hendurabi	1:100000
27 IR3080 7217 Bandar-e Lengeh to Jazireh-ye Siri	1:100000
28 IR3081 7214 Jazireh-ye Tonb-e Bozorg to Jazireh-ye A	bu Musa 1:100000
29 IR3087 7320 Moghuyeh	1:25000
30 IR3088 7311 Hasineh	1:25000
31 IR3082 7225 Khuran & Jazireh-ye Qeshm (East Part)	1:100000
32 IR3086 7263 Bostaneh	1:25000
33 IR3089 7310 Bandar-e Aftab	1:25000
34IR30907323Bandar-e Charak to Jazire- ye Kish	1:50000
35 IR3091 7274 Bandar-e Chiruye	1:25000
36 IR3095 7276 Jazireh-ye Larak	1:25000
37 IR3096 7262 Khalij-e Nay Band (West)	1:25000
38 IR3111 7269 Damaghe- ye Motaf East	1:25000
39 IR3112 7271 Dayyer- West	1:25000
40 IR5001 7184 Part A: Khalij-e Chabahar East Part	1:25000
41 IR5002 7184 Part B: Khalij-e Chabahar Wes Part	1:25000
42 IR5003 7190 Jask	1:25000
43 IR3093 7406 Akhtar	1:25000
44 IR3097 7412 Khalij-e Nay Band South west	1:25000
45 IR3102 7414 Bandar-e Shiyu	1:25000
46 IR3103 7415 Mogam- West	1:25000
47 IR3104 7417 Bandar-e Mogam	1:25000
48 IR3110 7420 Jazire-y Lavan	1:50000

a) National Paper Charts

- Up to 1979: Gulf of Oman from Gwadar Bay to Sirik,10 charts
- 1989 1998: Persian Gulf and Caspian Sea, 26 paper charts
- 1998 2018: Over Iranian coastal waters, more than 2927 sheets were produced
- Feb. 2019 Nov. 2022: 28 sheets of paper charts were produced
- 2022: 21 sheets of paper charts are under production

1-Digital Nautical Charts							
	Persian Gulf & (Gulf of Oman	Casp	aspian Sea			
Scale	Completed Charts	Underway Charts	nderway Completed Underw Charts Charts Chart				
1:25000 & Larger	2792	8	8 41 3				
Between 1:25000 & 1:100000	22	4	1	-			
1:100000 & Smaller	92	6	6 7				
Total	Total 2906			3			
2- Ele	ctronic Navigati	onal Charts (E	ENC)				
Persian Gulf & Gulf	of Oman : 90 cells		Caspian Sea	: 15 cells			
	3- Internation	al Charts (Int. ch	narts)				
Persian Gulf & Gulf	of Oman : 48 cells		Caspian Sea : 0	cells			
4- 1	4- Tidal Observation of Persian Gulf & Gulf of Oman						
Permanent Tida	al Stations : 15	Tem	porary Tidal Sta	tions: 60			
5- Ca:	spian Sea Level Mo	onitoring : 5 Per	manent Station				

- b) Other charts, e.g. for pleasure craft: N/A
- c) Problems encountered: Difficulty in producing, editing and updating our ENC cells caused by expiration of software packages (7Cs).

4. New Publications & Updates:

- a) New Publications: Nil
- b) Updated Publications:
 - Tidal software and table 2020,2021, and 2022
 - Tide prediction is available on this website: (www.slms.ncc.gov.ir)
 - Online sea level monitoring in 20 tide gauge station along the Persian Gulf, Gulf of Oman and Caspian Sea
- c) Means of delivery, e.g. paper, digital: We have not published any of the INT Charts as of now.
- d) Problems encountered: We have not reached an agreement for outsourcing the distribution.

5. <u>Maritime Safety Information (MSI)</u> use the WWNWS TEMPLATES

a) Existing infrastructure for transmission:

Ports and Maritime Organization (PMO) of I.R. of Iran is the national authority for collecting and disseminating coastal and local warnings in the sub-region of NAVAREA IX.

1- VTS centers: 3 stations (2 in Persian Gulf and 1 in Caspian Sea) are working on operational mode.

2- AIS network: All main ports are equipped with AIS network.

3- Coastal warnings: Coastal MSI is promulgated by national coordinator by means of WWNWS.

4- Local warnings: These warnings cover inshore and inland waters, often within the limits of jurisdiction of harbor or port authorities.

5- The present situations regarding to the promulgation of MSI originated by I.R. of Iran as follows:

• Broadcast systems:

1) VHF

Local and coastal navigation warnings including meteorological warnings and forecasts are promulgated verbally for attention of local traffic and non-conventional vessels, which are not equipped with NAVTEX receivers.

2) NAVTEX

I.R. of Iran operates three NAVTEX stations to broadcast MSI, in Bushehr and Shahid Rajaee Port in North part of the Persian Gulf (within NAVAREA IX) and also Fereydoonkenar Port in the Caspian Sea area.

- Bandar Bushehr - in North Part of Persian Gulf

Duration: 10 Min. Meteorological Information 0400, 1600 Coverage: 150 NM

Frequencies: 518 KHz. for international services & 490 KHz for national services. Transmitting hours for 518 KHz: 0000, 0400, 0800, 1200, 1600, 2000 UTC Transmitting hours for 490 KHz: 0030, 0430, 0830, 1230, 1630, 2030 UTC

- Bandar Abbas – in East Part of Persian Gulf

Duration: 10 Min. Meteorological Information 0450, 1650 Coverage: 150 NM

Frequencies: 518 KHz for international services & 490 KHz for national services. Transmitting hours for 518 KHz: 0050, 0450, 0850, 1250, 1650, 2050UTC Transmitting hours for 490 KHz: 0120, 0520, 0920, 1320, 1720, 2120UTC

- Bandar Fereydoonkenar - in Caspian Sea

Duration: 10 Min. Meteorological Information 0500, 1700 Coverage: 150 NM

Frequencies: 518 KHz for international services & 490 KHz for national services. Transmitting hours for 518 KHz: 0100, 0500, 0900, 1300, 1700, 2100UTC Transmitting hours for 490 KHz: 0130, 0530, 0930, 1330, 1730, 2130UTC

• Type of messages transmitting by the NAVTEX stations:

- i. Navigational Warnings
- ii. Meteorological Warnings
- iii. Meteorological Forecast
- iv. Search & Rescue Information and Pirate Attack Warnings
- v. Shooting Warnings,

vi. etc...

b) New infrastructure in accordance with GMDSS Master Plan: Nil

c) Problem encountered: N/A

First (c) Survey coverage Depth < 200m				Iran (I)					
Hydrographic surveying / Levés hydrographiques / Levantamientos hidrográficos Depth > 200m Depth > 200m Profondeur > 200m<				nun (i)					
Couverture hydrographique Coberture hidrografita Profondeur < 200m Profondeur < 200m	Hydrogr Survey c	aphic surveying / Levés hyd	drographiques / Levan	tamientos hidrográficos	Denth < 200m	8		Denth > 200	m
Cobertura hidrografia Profundidad < 200m Profundidad > 200m Adequately surveyed 96 Adequately surveyed Adecuadamente levantado Re-survey required 97 Nécessitant de nouveaux levés Requiere nuevo levantamiento Noters Notes Notes Notes Notes	Couvert	ure hydrographique		Pr	ofondeur < 20	0m	Pr	rofondeur > 2	00m
Adequately surveyed Correctement hydrographić Adecuadamente levantado Re-survey required Nécessitant de nouveaux levés Requiere nuevo levantamiento Never systematically surveyed Jamais hydrographić systématiquement Nunca levantado sistemáticamente Notes Notes Notas	Cobertu	ra hidrográfica		Pro	ofundidad < 20	Kim	Pro	ofundidad >2	200m
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Plan cadre YES Plan principal A1 area A1 area 96% coverage by VHF Zone A1 YES Zona A1 YES A2 area Description	Maritim GMDSS Mise en (Impleme	e Safety Information / Rens implementation suvre du SMDSM intación SMSSM Master plan Plan cadre Plan principal A1 area Zone A1 Zona A1 A2 area	eignements sur la sécu Status Status Estado YES YES	urité maritime / Informa 96% coverage by VHF Local and coastal navigation v for attention of local traffic an	ción sobre seg warnings includin d non-convention	uridad marfiti Notes Notes Notas g meteorological al vessels, which	ma warnings and fi are not equipped	orecasts are pror	nulgated v X receive
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			Iran	(I)							
Nautical cha	rting / Cartographie marine / (Cartografia náutica									
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Couverture d	des cartes publiées		Nav	igation au	large	Atterrissag	e et naviga	tion côtière	Арр	roches et	ports
Cobertura de	e cartas publicadas		Pa	usaje offsh	ore	Recala	da y Pasaje	costero	Арге	ches y p	uertos
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	Cubiertas por RNC cu	mpliendo S-61		1							
	Covered by ENC meet	ting S-57									
%	6 Couvert par des ENC	conformes S-57									
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Paper charts s Cartes papier Cartas de pape	showing depth in meters avec les profondeurs en mètres el con profundidades en metros	100 % Paper charts Cartes papie satellitaire Cartes de pa	referenced to a satelli r rapportées à un systi nel referidos a un data	te datum ème géodésiqu um estelital	ue	0 5	Data sour Source de Drigen de	rce es données e los datos	http nt:8	o://char 8080/ih	rt.ih 10/m
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Last update / Mise à jour / Actualización: 20/02/2022

Basic Data:

Maritime Nation /Area: Islamic Republic of Iran Nation or Area Code: IR Region ID: AS Nation or Area (N or A): N Length of Coastline (Km): about 5700 Km (Including Estuaries and Islands) Data for C-55 Edition No.: 5

Status of Hydrographic Surveys:

A1/A2 = 93% adequately surveyed $\leq 200m$

B1/B2 = 10% requiring re-survey at larger scale or to modern standards <200m C1/C2

= 0 % which has never been systematically surveyed < 200m

A1	A2	B1	B2	C1	C2
80	85	30	0	10	0

A1/A2 = 73% adequately surveyed >200m

B1/B2 = 0% requiring re-survey at larger scale or to modern standards >200m

C1/C2 = 30 % which has never been systematically surveyed >200m

100

A1	A2	B1	B2	C1	C2
80	85	30	0	10	0

Status of Nautical Charting:

A = $\%$ covered by INT Charts,		B = % covered by RNC			C = % covered by ENC			
Offshor A	e passag B	ge /Small C	Landfall C A	Coastal pa B	ssage/Medium C	Approa A	ches Po B	orts/Large C
80	0	20	95	0	70	90	0	90

Percentage of metric paper charts

Percentage of paper charts on a satellite datum

0

7. Capacity Building

a) Offer of and/or demand for Capacity Building:

- In order to be in line with IRCC and HSSC requirements, specially (till 2026) we need to have S-100 series take over S-57 standard (the dual fuel concept). Therefore, we need to have Compiling for Navigational Safety from 20-21 January 2022 as a VTC platform, in which RSAHC Member States participated.
- Some training courses on S57 to S-100 Conversion planned for the year 2023.

b) Training received:

- Introduction to S-57, conducted on 25 January 2022 as a VTC platform, in which RSAHC Member States participated.
- Understanding ENCs, conducted on 26 January 2022 as a VTC platform, in which RSAHC Member States participated.
- IHO NIPPON Foundation Geomac Project: SUCCESSFUL
- Nomination of candidates for the 13th and 14th courses, for which Mr. Mohammed AL-AAMRI from Oman was accepted from the RSAHC region.
- Category "B" Hydrographic Survey Program, sponsored by Republic of Korea, 25 July 2022 to 09 December 2022, for which Mr. Seyed Mojtaba ZAREI from I.R. of IRAN was accepted from RSAHC Region.

c) Training needed:

I.R. of Iran is requesting the following courses, under Capacity-Building Program for the years 2022 & 2024:

- Technical Implementation Visits (2022)
- MSI Course (2022)
- MBES Processing (2023)
- S57 to S-100 Conversion Training (2023)
- Basic ENC and ENC Production Course (2023)
- ENC Production and QA (2023)
- MSDI and Database Management (2024)
- Tide and Water Level Workshop (2024)

d) Training Offered:

- National Cartographic Center (NCC) is capable to offer:
 - o Training Course on Sea Level Data Collection, Analysis and Prediction
 - Analysis and Prediction
 - Official Technical Visit:

I.R. of Iran has requested from CBSC16 and IHO Secretariat to have a Technical Implementation Visit by IHO staff - phase 0.3 of the CB program (2019). It was postponed to the 2nd half of 2022 as the joint program between IHO and IALA. Once again, it has been postponed by the IALA representative who is part of the IHO/IALA technical visit team.

e) Status of national, bilateral, multilateral or regional development project with hydrographic component (In progress, planned, under evaluation or study): Nil

f) Definition of bids to IHOCBC:

- MSC. Programs of hydrography in Tehran & Azad Universities are available.
- PHD and MSc. course of oceanography and marine physics are being offered in Modarres, Hormozgan, Khorramshahr, Chabahar, Mazandaran, Azad University in Tehran and Ahvaz branches and PhD degree in Iran Meteorological Organization (IRIMO) and Iranian National Institute of Oceanography and Atmospheric Science.
- Courses of hydrography & nautical cartography are being offered in many universities as a part of BSc. Programs.

In addition, to promote technical hydrographic knowledge between RSAHC States, short courses can be held in English, by the Islamic Republic of Iran.

8. Oceanographic Activities

a) General

- Establishment of Water Level Monitoring Network of Persian Gulf, Gulf of Oman & Caspian Sea
- Current metering
- Seabed classification
- Collecting physical and chemical parameters of the characteristics
- Modeling & monitoring of Iranian coasts
- b) GEBCO/IBC's activities: Nil

c) Tide gauge network

NO	Places	Lat.(N)	Long.(E)	Establish Date
1	KHORRAMSHAHR	30° 26′ N	48° 12′ E	2001
2	BANDAR-E EMAM KHOMEINI	30° 26′ N	49° 05′ E	2001
3	BANDAR-E EMAM HASAN	29° 50′ N	50° 15′ E	1989
4	BANDAR-E BUSHEHR	28° 59′ N	50° 50′ E	1989
5	BANDAR-E AMERI	28° 31′ N	51° 05′ E	2011
6	BANDAR-E DAYYER	27° 50′ N	51° 56′ E	2009
7	BANDAR-E KANGAN	27° 50′ N	52°03′E	1989
8	JAZIREH KISH	26 [°] 34 [′] N	54° 00′ E	2007
9	BANDAR-E LENGEH	26° 33′ N	54° 53′ E	2004
10	BANDAR-E SHAHID RAJAEE	27° 06′ N	56° 04′ E	1990
11	SHIP YARD-PERSIAN GULF	27° 02′ N	55° 57′ E	2011
12	ESKELE-YE BAHMAN (JAZ. QESHM)	26 [°] 57.1 [′] N	56° 16.8′ E	2011
13	JASK	25 [°] 39 [′] N	57° 46′ E	1998
14	CHABAHAR	25° 17′ N	60° 37′ E	1990
15	Abadan	30° 20′ N	48° 17′ E	2017

Permanent tidal stations are in Persian Gulf and Gulf of Oman indicated in following table:

d) New equipment

Radar sensors have been implemented in some tide gauge stations.

9. Other activities

a) Participation in IHO working Groups:

- Participation in IHO Assembly, Council, and other committees, sub-committees and working group meetings.
- Member of S23 Working Group
- Member of HSWG

b) Meteorological data collection:

Receive collected meteorological data via Iran Meteorological Organization to enhance the safety of navigation in the Persian Gulf and Caspian Sea by the means of VHF and NAVTEX.

c) Geospatial studies:

Marine Spatial Planning (MSP) in Iran has started since late November 2017 in Hormozgan Province; however, it will consider the strategies of the country in the Persian Gulf and Gulf of Oman as a whole. This plan will be in full coordination with the outcomes of Integrated Coastal Zone Management (ICZM) of Iran.

d) Disaster prevention:

NCC is cooperated with IOC/UNESCO as a part of world sea monitoring & early tsunami warning network with two tide gauge stations in Jask & Chabahar. In addition, NCC also cooperates with Asia & Pacific Centre for the Development of Disaster Information Management (APDIM)

e) Environmental protection:

The Persian Gulf and Gulf of Oman have been designated as Special Sea Areas under MARPOL Convention, and special considerations are therefore observed in regard with ship discharges and port reception facilities.

f) Astronomical observations: Nil

g) Magnetic/gravity surveys:

NCC is responsible for collecting land gravity data. No shipboard or airborne gravimetric has been done yet. However, marine gravity has been derived from satellite Altimetry mission data overseas.

h) MSDI Progress:

SDI has been developed and established separately by NCC & NGO in order to integrate and establishment National MSDI under Iranian National Hydrographic Committee (IRNHC).

i) International:

NCC acts as the secretary of ECO geomatics committee (10 countries) to coordinate geomatics regional activities.

j) Etc.:

Our Future plans are:

- Production of harbor & berthing charts
- Completion of approaches & coastal charts
- Production of ENCs in S-101format
- Development of tidal stations & current observations
- Producing Tidal Model for Persian Gulf and Gulf of Oman

10. <u>Conclusion</u>

Iranian National Cartographic Center (NCC) and National Geographic Organization (NGO) are in charge of Hydrography and production of the ENCs for coastal and territorial waters of I.R. of Iran (the Persian Gulf, Gulf of Oman & Caspian Sea), as well as INT charts in the future.

Iranian National Hydrographic Committee (IRNHC) is in charge of coordinating and publishing the ENCs for coastal and territorial waters of I.R. of Iran.

All hydrographic surveying activities are in compliance the requirements of IHO Standards.

We are now engaged in complementing the ENC mosaic for the remaining areas. Iran is prepared to cooperate at the regional and international levels in all relevant hydrographic issues, under the framework of the RSAHC, particularly the Capacity Building Programs.