SAFETY, SECURITY & ENVIRONMENT PROTECTION STANDARDS

TURKISH ADMINISTRATION
INTRODUCTION

Facts & Figures About Turkey

- 8483 Km (4582 NM) coastline
- Surrounded by Black Sea, Aegean Sea and Med. Seas
- An important Flag, Port and Coastal State!
Turkish Maritime Administration

Ministry of Transport, Maritime Affairs and Communications of Turkey

- MARAD upgraded from undersecretariat level (2011)
- 3 Maritime General Directorates
  - DG for Regulation of Maritime and Inland Waters
  - DG for Maritime Commerce
  - DG for Shipyards and Coastal Facilities
- 2 Related General Directorates
  - DG for Foreign Affairs and EU
  - DG for Carriage of Dangerous Goods
- Personnel, Training, Strategy, Accident Investigation and other units
Maritime Administration

Ministry of Transport, Maritime Affairs and Communications of Turkey

Some responsibilities:

- Establishing national maritime policy (strategy)
- Initiation and implementation of national maritime legislation
- Representation in international forums
- Formal links with other ministries /departments /agencies within the government (consultation / cooperation)
- Performance measurement and development
- Category C” member of the IMO Council since 1999
- Active participation to IMO work
- Successfully audited under VIMSAS (October 2013)
- Provision of A.P.O.s, Auditors and Consultants to IMO work
Turkish IMO Strategy General Statement:

«To ensure maritime safety and security, to prevent ship based pollution and to facilitate maritime trade; the strategy is to be effective and productive in all IMO related areas within the scope of flag, coast and port state duties»

Turkish IMO Strategy Slogan:

«Safe Shipping in Clean Seas»

Turkish IMO Strategy contains 4 Main Objectives and 13 Main Targets
IMO Strategy encompasses all relevant institutions!
IMO STRATEGY

Elements of Turkish IMO Strategy

“SAFE SHIPPING IN CLEAN SEAS”

- Effective implementation of Flag, port and coastal State obligations
- Adherence to IMO guidance
- Effective cooperation among institutions
- Performance measurement and development
DUTIES AND AUTHORITIES OF THE OTHER ADMINISTRATIONS

OTHER ADMINISTRATIONS

The Ministry of Environment and Urbanization (MEU)
- Common Environmental Policies
- Pollution fines
- Waste control
- Waste reception facilities

Coast Guard Command (TCGC)
- SAR Activities
- Patrolling of Marine Pollution
The Office of Navigation, Hydrography and Oceanography (ONHO)

- Broadcasting of the navigational warning messages
- Correcting on nautical charts, nautical publications
- Publishing notice to mariners and announcement

Directorate General of Coastal Safety (DGCS)

- Salvage & SAR
- Oil pollution emergency response
- Aids to navigation
- Pilotage
- Broadcasting (Navtex, VHF)
Budget for 2015 of the related Bodies:

- **MTMAC**: 5 billion € (Road + Rail + Aviation + Maritime + Communications etc. included)
- **MEU**: 500 million €
- **TCGC**: 180 million €
Turkey is party to most IMO Instruments

<table>
<thead>
<tr>
<th>International Instrument</th>
<th>National Legislation</th>
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<tr>
<td>SOLAS 74, P 78, P 88</td>
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<td>MARPOL Annexes I-V</td>
<td>LLMC</td>
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<td>MARPOL P 97 (An. VI)</td>
<td>SAR 79</td>
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<td>LL 1966, P1988</td>
<td>CSC 72</td>
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<td>T69</td>
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<td>INMARSAT C</td>
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<td>SUA 88, P 2005</td>
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<td>OPRC/HNS P 2000</td>
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IMPLEMENTATION

Factors for effective implementation:

• Turkey is party to the most IMO conventions
• Turkish National legislation is sufficient & kept updated
• Administration is given sufficient enforcement powers
• Sufficient, dedicated, trained and competent technical personnel
• Authority of Administration is regulated by Law
• No external / internal pressures
• High safety culture
• Adm. sanctions and measures for discourage non-compliance have been identified by Laws and Regulations (4922, 618, 5326 etc.)
OVERALL COORDINATION

Maritime Coordination Commission

- High level coordination & discussion & solution body
- Legal Base "Regulations on Maritime Coordination Commission"
- Also based to PM Circular and IMO Strategy
- Chaired by Ministry
- All public and private stakeholders attend as members or observers (total 32 or more participants)
- Meets at least 3 times annually
- Establishes Ad-Hoc committees for solution of problems
- All IMO & maritime related issues discussed
IMO-PERGE
(Technical Performance Analysis and Development System)

• Legal base: Ministerial Circular & Implementation Order
• 33 KPI’s in 4 areas Evaluated in each report
• 10 General, 14 Flag, 4 Port, 5 Coastal State area KPI’s
• 6 monthly reports /meetings
• Chaired by Dep. Undersecretary, high level participation
• Corrective actions discussed / agreed
• Next meeting follow-up for previous CAP
• Turkish Flag over **500** GT: **862** Ships, **8.9** m DWT
• Age of fleet: **21** years
• **White list** Performance in the Paris MoU
• High performance in all PSC regimes
• **Scheduled** surveys to vessels by RO’s & Administration
• **Unscheduled** inspections by Administration
• Additional audits under ISM Code
• Administration issues most of the Statutory Certs.
• Administration surveys/issues "**Seaworthiness Certificate**"
<table>
<thead>
<tr>
<th>Year</th>
<th>Inspection Number</th>
<th>Detention Number</th>
<th>Detention Ratio (%)</th>
<th>List</th>
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<tr>
<td>2003</td>
<td>749</td>
<td>131</td>
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<td>2004</td>
<td>776</td>
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<td>8.6</td>
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<td>2005</td>
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<td>45</td>
<td>7.7</td>
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<td>2006</td>
<td>595</td>
<td>42</td>
<td>7.1</td>
<td>Grey List</td>
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<tr>
<td>2007</td>
<td>670</td>
<td>41</td>
<td>6.1</td>
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<td>2008</td>
<td>774</td>
<td>40</td>
<td>5.2</td>
<td>White List</td>
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<tr>
<td>2009</td>
<td>738</td>
<td>34</td>
<td>4.6</td>
<td>White List</td>
</tr>
<tr>
<td>2010</td>
<td>782</td>
<td>34</td>
<td>4.3</td>
<td>White List</td>
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<tr>
<td>2011</td>
<td>586</td>
<td>28</td>
<td>4.8</td>
<td>White List</td>
</tr>
<tr>
<td>2012</td>
<td>561</td>
<td>26</td>
<td>4.6</td>
<td>White List</td>
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<tr>
<td>2013</td>
<td>502</td>
<td>15</td>
<td>2.99</td>
<td>White List</td>
</tr>
</tbody>
</table>

* The best annual performance recorded in 2013

Detention ratio decreased by % 85 in 10 years
RELATIONS WITH R.O.s

- 8 RO’s recognized (7 IACS Members + Turkish Lloyd)
- All RO’s have offices in Turkey
- Official agreements in force
- Legal Base: "Regulation on ROs"
- Access to RO databases
- Annual RO audits conducted
- Supplementary Surveys on ships
Casualty Investigation Board

- Independent & dedicated "Casualty Investigation Board"
- Directly responsible to Minister
- Legal Base: "Law on MTMC", 3 specific regulations
- Investigates maritime, air, railroad casualties
- 4 dedicated maritime casualty investigators
- Assisted by independent experts as required
• 172 Flag State Surveyors (35 Surv. for convention ships)
• All professional mariners & naval architects
• Istanbul Ship Survey Board handles IMO surveys & certification
• Authority, responsibility, interrelation, duties of surveyors are regulated by legislation
• Ethical rules defined
• All surveyors possess ID cards
SURVEYORS

Systematical Surveyor Training – "STEP" Program

- Defined by Ministerial Circular
- Periodic, formal, documented
- From entry level to experienced surveyors
- 17 different technical training areas
- 2 training windows each year
- 2 year qualifications after training
- Continuous update of knowledge
- Refresher trainings in every 2 years
- 1590 qualifications for 423 technical personnel recorded in database
Seafarers and the STCW

- STCW White List
- **180,000** Turkish Seafarers in registry (**2nd in World**)
- **47,000** officers
- **112** training facilities
  - **18** university level (bachelor & 2 years degree)
  - **39** technical high schools
  - **55** private courses
- **On line licence verification**
<table>
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<tr>
<th>Countries that are signed protocols for the bilateral recognition of seafarers certificates</th>
<th>Countries signed agreements for the recognition of Turkish seafarers certificates</th>
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<tbody>
<tr>
<td>BULGARIA</td>
<td>GERMANY</td>
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<tr>
<td>ITALY</td>
<td>BELIZE</td>
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<tr>
<td>ROMANIA</td>
<td>JAPAN</td>
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<td>MALAYSIA</td>
<td>POLAND</td>
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<td>TAYLAND</td>
<td>PORTUGAL</td>
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<td>SINGAPORE</td>
<td>DOMINIC</td>
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<td>MALTA</td>
<td>MARSHALL ISLANDS</td>
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<td>UKRANIA</td>
<td>BAHAMA</td>
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<td>RUSSIAN FEDERATION</td>
<td>BARBADOS</td>
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<td>AZERBAIJAN</td>
<td>VANUATU</td>
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<tr>
<td>IRAN</td>
<td>ANTIGUA AND BARBUDA</td>
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<td>HOLLAND</td>
<td>CAMBODIA</td>
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<td></td>
<td>LIBERIA</td>
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<td></td>
<td>SLOVAKIA</td>
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<tr>
<td></td>
<td>SAINT VINCENT AND GRENADINES</td>
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<td>LUXEMBOURG</td>
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</table>
• **178 ISPS compliant port facilities**

• Among the first states which signed SUA Convention and its protocols.
• Founding member and contributor to the Contact Group on Piracy off the Coast of Somalia.

• Turkish Navy and special force teams conduct anti-piracy operations under the command of CTF-151 and NATO SNMG2 since 2009.

• Suppressed 173 pirates and 2 skiffs during 25 boarding operations.
PORT STATE DUTIES

Port State Control in Turkey

- Legal base "Regulations for PSC"
- Turkey is a founder member of MedMoU & BSMoU
- 141 PSCO's
- 1580 ship inspections (2014)
- 156 detentions (detention ratio: % 9,8)
- All controls are loaded to database
- Turkish share in MedMoU: 23%
- Turkish share in BSMoU: 9%

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<tbody>
<tr>
<td>Total Inspection</td>
<td>1580</td>
</tr>
<tr>
<td>Individual Ship Call</td>
<td>5553</td>
</tr>
<tr>
<td>Inspection Ratio</td>
<td>% 28,4*</td>
</tr>
</tbody>
</table>

*Minimum PSC ratio should be at least: % 15 (Med & BS MoUs)
Port Reception Facilities

- "Ministry of Environment and Urbanization" responsible
- Legislative base "Law on Environment" and "Regulations on PRF"
- Turkey has adequate MARPOL PRFs
- Total 228 port facilities are under coverage
- 109 ports are served by metropolitan municipalities
- 119 ports own PRF
COASTAL STATE DUTIES

Directorate General for Coastal Safety

• Affiliated body to MTMC
• 2100 personnel, 90 ships

Responsibilities:

• Navigational Aids
• Ship Traffic/Management Services
• Ship Reporting Systems
• Navigational warnings, storm warnings, weather forecasts
• Communication services
• Pilotage services in Turkish Straits
• Towing and salvage services
• Pollution emergency response
• Assistance during SAR operations
COASTAL STATE DUTIES

Navigational Aids

- 447 Lighthouses (135 Electric, 312 sun-powered)
- 93 buoys (IALA A) (78 sun-powered)
- 11 fog horns
- 21 RACONS
- 381 AIS ATON
- 10 regional technical maintenance offices
- 381 remote-controlled ATON
- Service dependability: 99.80 %
Among busiest/most difficult waterways
50,000 vessels pass annually
150 million tons of dangerous goods per year.
Vessel Traffic Services
Turkey follows the developments in international organizations.

Turkish Straits Vessel Traffic Services has been functioning effectively since 30 December 2003.
COASTAL STATE DUTIES

Turkish Vessel Traffic Services

İzmir VTS Area

Mersin-İskenderun VTS Area

Botaş Oil terminal
Turkish Straits VTS

- 55,000 ship transits / 150 million tons of dangerous goods per year
- Vessel traffic increased 16% since 2002.
- Abt. 200 NM - Longest VTS system in the world
- 2 operation centers, 16 monitoring stations, 4 traffic sectors, 2 dGPS reference stations, 4 VHF/DHF stations, electronic current velocity and salinity measurement systems
VTS Expansions

Istanbul – Marmara - Canakkale VTS

İZMİT VTS Area

İZMİR VTS Area
AIS Monitoring System

- Established in 2007 – 25 Base stations and 1 headquarters
- All related public bodies receive real time AIS info
- Covers all Turkish coast – to 200 NM distance
- Non SOLAS Turkish ships have to carry AIS Class B equipment

- Increase in navigation safety, security
- Increase in SAR efficiency
- Prevention of illegal immigration
- Controlling illegal fishing
Turkish SAR area is covered with AIS reception
Screenshot of Turkish AIS monitoring system
COASTAL STATE DUTIES

SAR

• SAR Services: Provided in the Turkish SRR (378,000 Km²)
• Legal base: "Turkish SAR Regulations"
• Turkish Main SAR Coordination Centre in Ankara
• 7/24 operation for maritime and aviation SAR operations
• Assets of Coast Guard, Navy, Air Force, other public and private bodies can be deployed
• Anti piracy (SSS alerts), LRIT and AIS data are monitored from this centre
• 3074 people are rescued in 814 cases in last 5 years
COASTAL STATE DUTIES

Search and Rescue

Coast Line: 8.483 Km
Area of SAR Region: 377.714 Km²
COSPAS / SARSAT system in Turkey

June 2005: G.S.P
Jan 2006: F.O.C.
Navy- Office of Navigation Hydrography and Oceanography

- Hydrographic Surveys (4 survey ships)
- Nautical Charts & electronic charts & navigational publications and notices to mariners
- Promulgation of all sorts of navigational information to the mariners for maintaining the safety of live and property at seas.
- Announcement of information regarding navigational aids
Pollution Monitoring

- Turkish Coast Guard, Harbour Masters and Municipalities carry out pollution patrols throughout the territorial waters of Turkey
- Heavy penalties imposed for all marine pollution cases
- Turkey has access to "CleanSeaNet" system, and receives satellite pictures of pollution cases from EU
Emergency Pollution Response

- Main legislation "Law on Emergency Response to Oil and other Chemicals Pollution" and "Regulations for Application"
- All port facilities have equipment for "Tier I" pollution
- Regional arrangements in place for "Tier II" cases
- National arrangements for Tier III cases:
  - One national emergency response centre (Tekirdağ)
  - One sub-national centre (Antalya)
  - 16 pollution response equipment stockpiles along Turkish Coastline
COASTAL STATE DUTIES

Emergency Pollution Response

The construction of the National Emergency Response Center commenced and planned to be in use in 2016.
Sub-national ER center in Antalya is operational as of 2014.
OIL & HNS RESPONSE EQUIPMENT WILL BE SUPPLIED IN 2015.
Most of the Bodies have their own QMS

Before the Ministry level, Undersecretariat for Maritime Affairs had QMS: that QMS and process mappings kept updated and efficiently implemented. Overall QMS for the Ministry is in progress
Turkey fullfills almost all of the accession criteria of Paris MOU

Turkey has sufficient capacity on technical & operational & financial aspect

Regarding with the criteria: «..with the consent of all Authorities participating in the Memorandum», when the application process is commenced, Turkey invites members of the Paris MOU to support Turkey’s efforts to enhance maritime safety in the region and support accession application of Turkey.
«MedRules» with the assistance of KR was developed under the MedMOU, but it has not been kept updated

Similar system to the Rulecheck of the Paris MOU is needed for PSCOs of both the Med and BS MOUs in order to better harmonize and follow the international rules

Some technical support, such as portable devices for PSCOs with useful softwares inside them, may be needed for PSCOs in BSMOU
STRATEGIC TARGETS OF TURK LOYDU

1) To be an IACS member Classification Society

- “Classification Society” status was confirmed by IACS on 14.01.2011.
- QSCS audits were carried out in 2013.
- Obtaining QSCS Certificate of Compliance in Progress.

2) To become a Recognized Organization by European Union

- Turk Loydu’s initial audit by EMSA carried out in February 2013.
- The final report delivered to European Commission in August 2013.

It is expected from this meeting and the Project to contribute to the process for accelerating
CONCLUSIONS

Turkey will continue to implement and enforce all international standards effectively
Thank You For Your Attention!