



REPUBLIC OF TURKEY PRIME MINISTRY UNDERSECRETARIAT FOR MARITIME AFFAIRS

Vessel Traffic Monitoring and Information Systems
in Turkey
Cpt. Ömer ÖZCAN
Head of Safety Navigation Department





Safety of Navigation

- Turkey follows the developments in international organizations.
- And takes appropriate actions to enhance maritime safety and security.





Vessel Traffic Monitoring and Information Systems

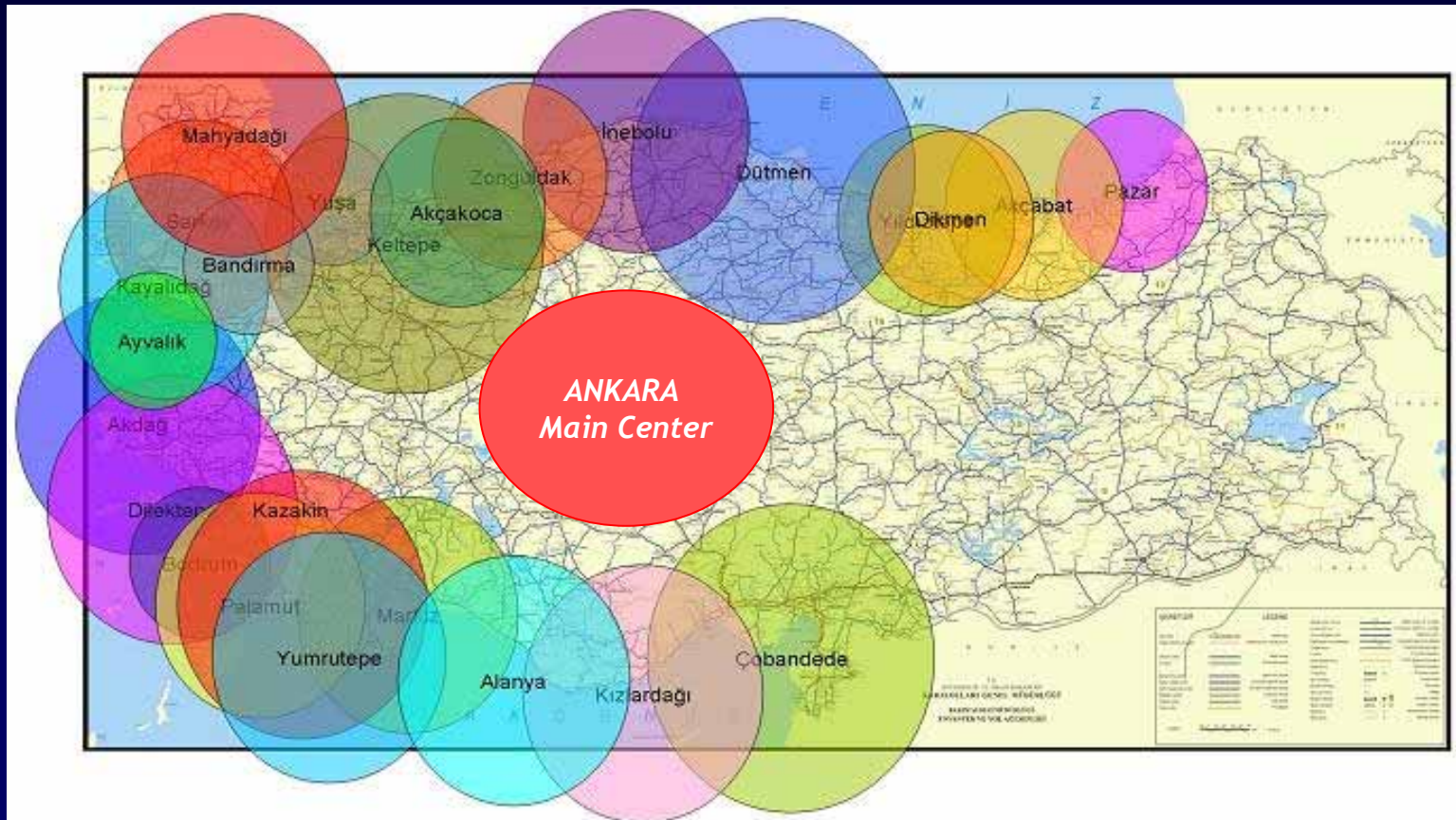
- Automatic Identification System (AIS) – AIS Class-B CS
- Long Range Identification and Tracking System (LRIT)
- Turkish Straits Vessel Traffic Services (TSVTS)
- Vessel Traffic Services (VTS)





Turkish AIS

- Turkey's AIS Network System is fully operational since 9 July 2007.

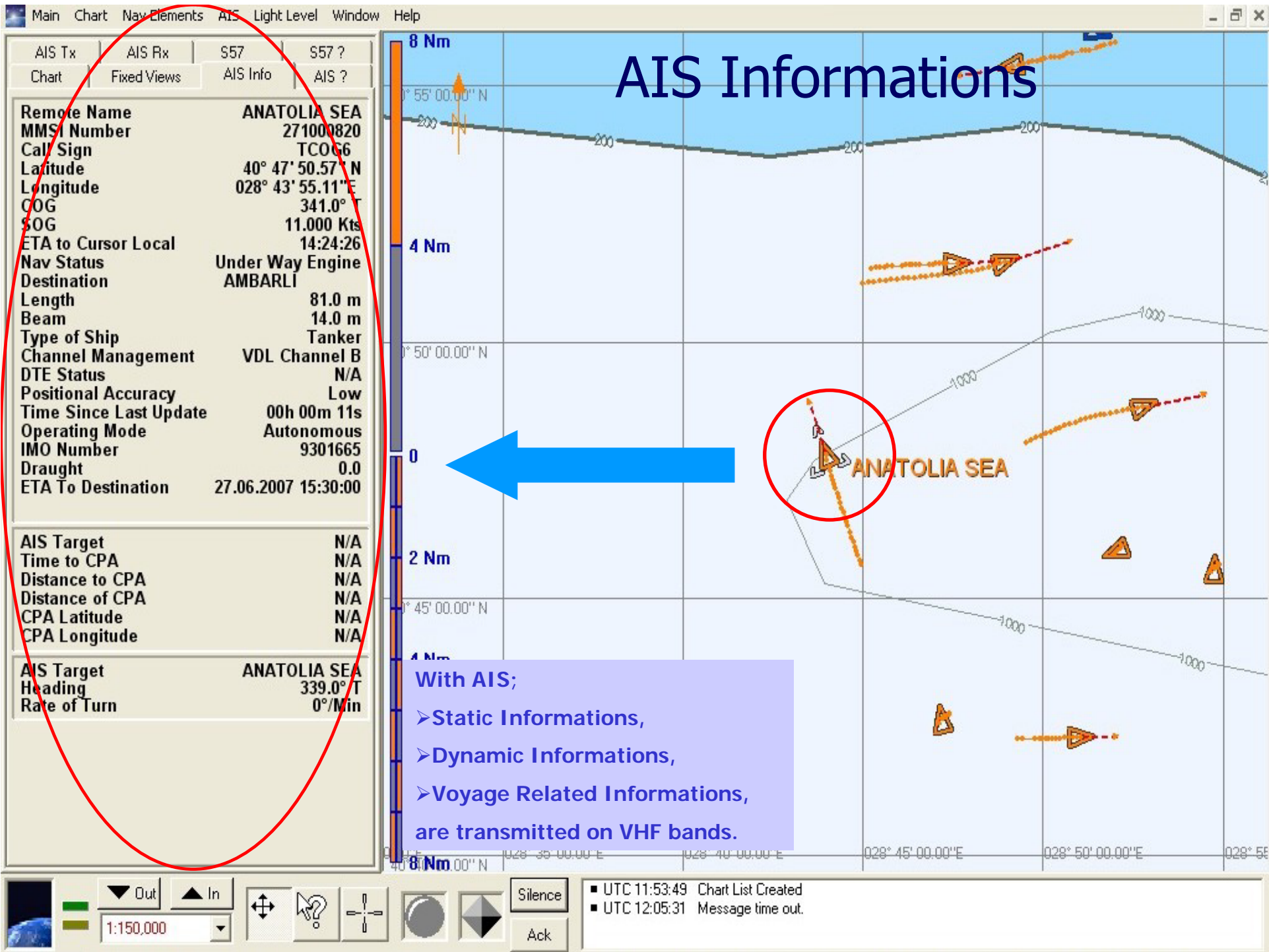




Network

- AIS Network consists of 25 base stations.
- AIS Coverage is between 100-200 nautical miles from Turkish coasts.
- Using Turkey's geographical advantage AIS base stations placed on high mountains which covered all around the coasts.







AIS Main Centre





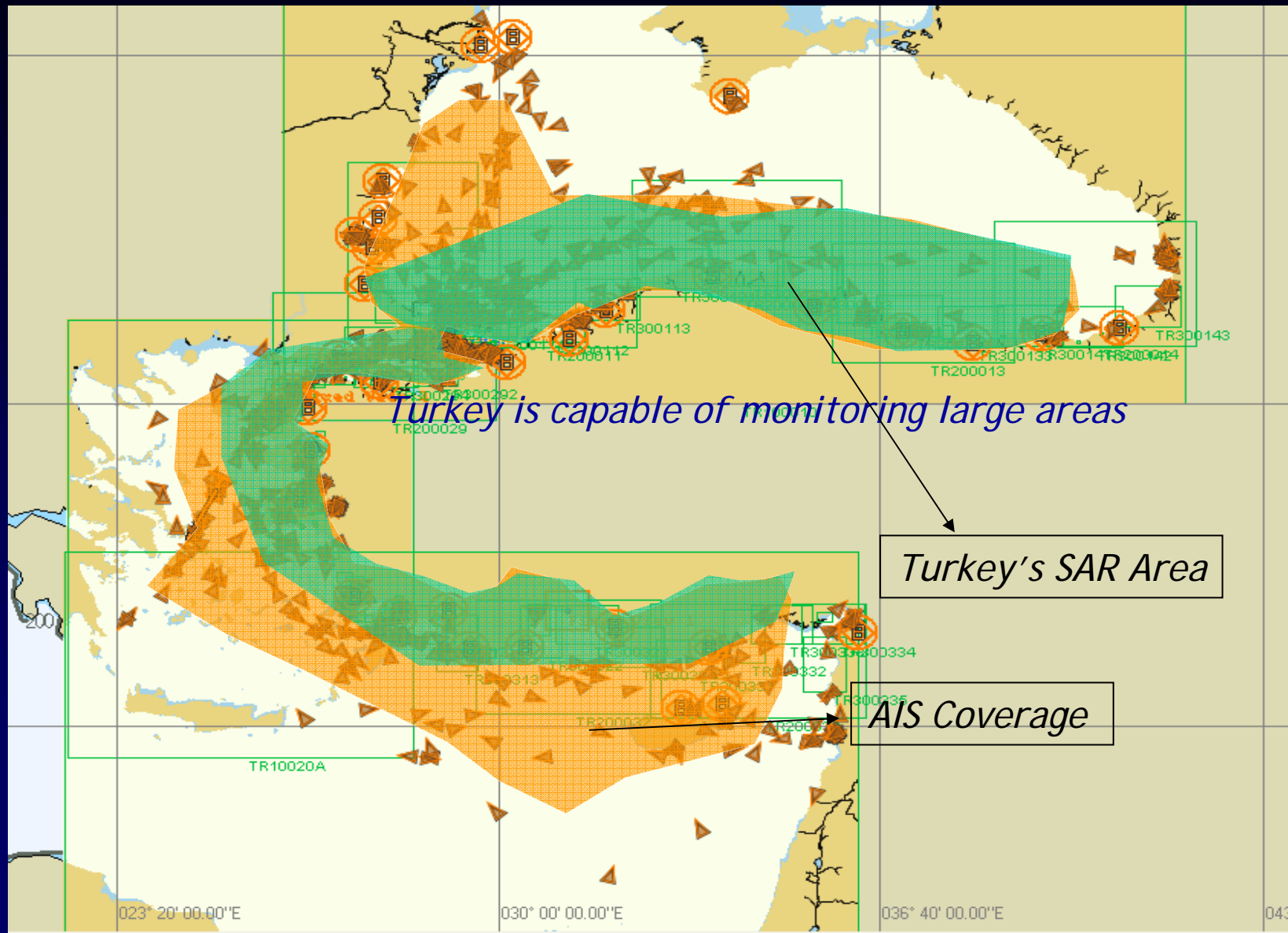
Duties of the AIS Main Centre

- Monitoring of the vessels sailing in Turkish SAR Area,
- Management of the AIS informations,
- Distributing of AIS Informations to the related parties,
- Query and replay of the past AIS informations,
- Communication with other related parties.





Overall AIS Picture



Turkey is capable of monitoring large areas

Turkey's SAR Area

AIS Coverage





AIS Benefits

- Improvement of maritime safety and security,
- Collect informations from vessels sailing in Turkish SAR Area,
- Improvement of Search And Rescue activities,
- Contribute to prevent oil pollution.





AIS Class-B CS





- Applied for Non-SOLAS vessels,
- Improve maritime safety and security,
- Contribute to prevent smuggling and illegal immigration,
- Control the fishing activities.





Announcement Regarding AIS Class-B CS

- An announcement was published in Official Gazette No:26640 and came into force on 11th September 2007
- Announcement was consist of 2 parts
 1. Fitting dates and types of vessels,
 2. Specialities of AIS Class-B CS

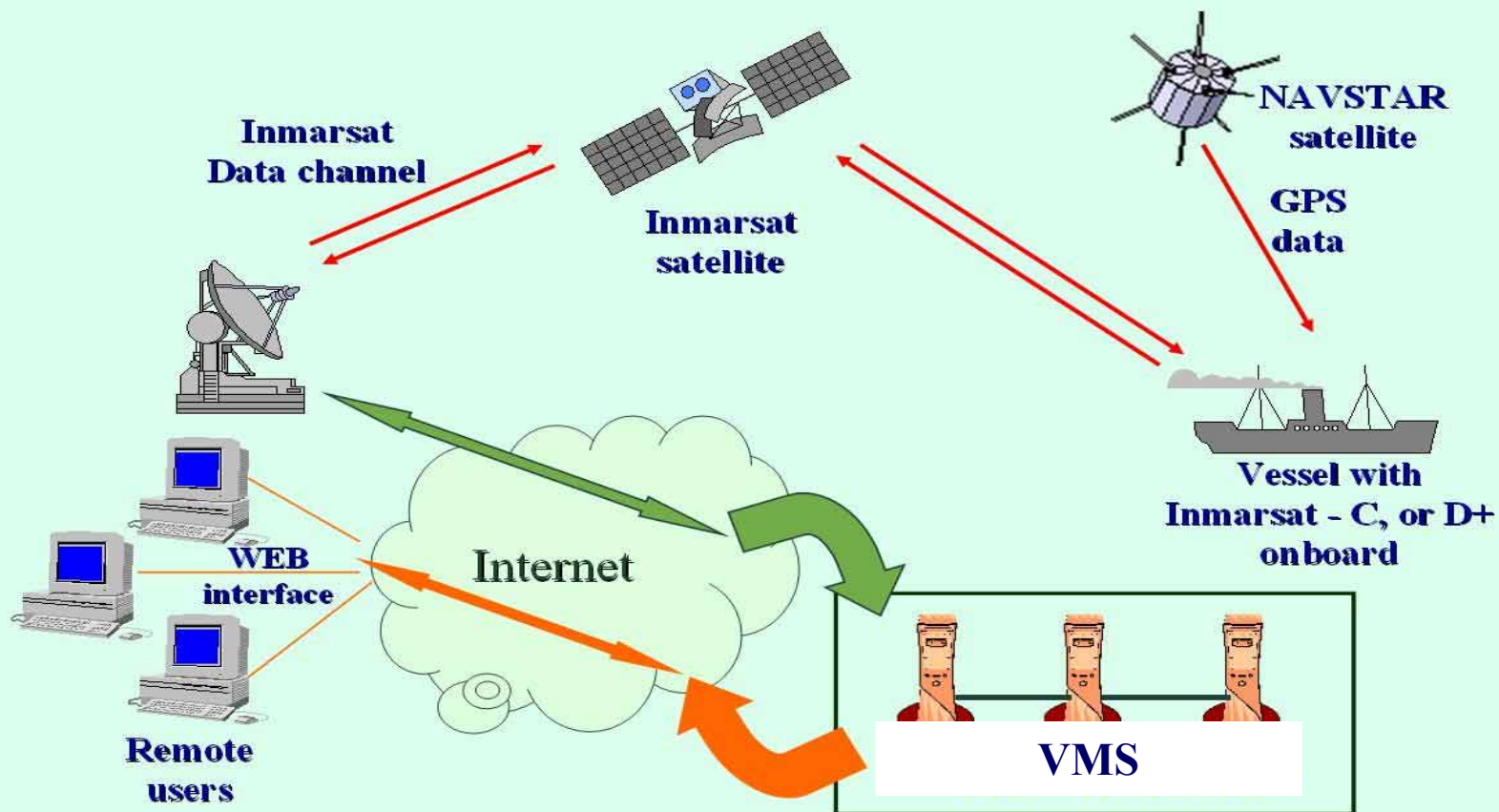




Long Range Identification and Tracking LRIT

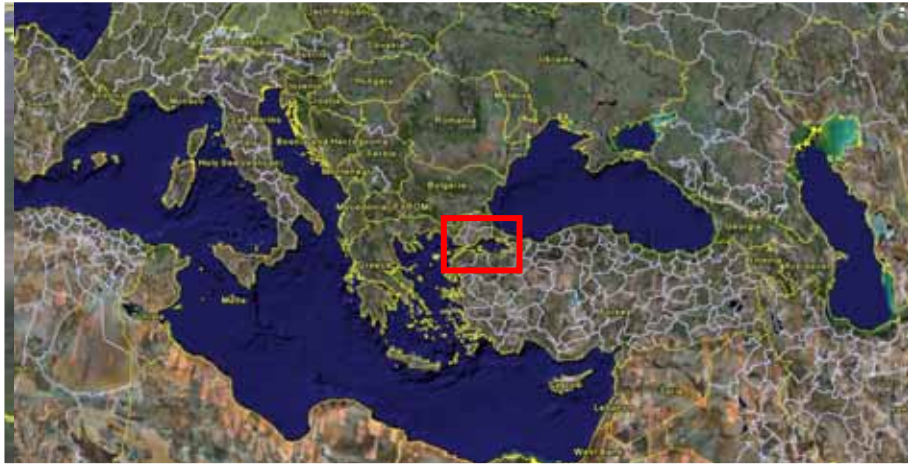
ESTABLISHMENT OF LRIT SYSTEM IN TURKEY IS IN PROGRESS.

System will enable tracking up to 1000 Nm from coast.

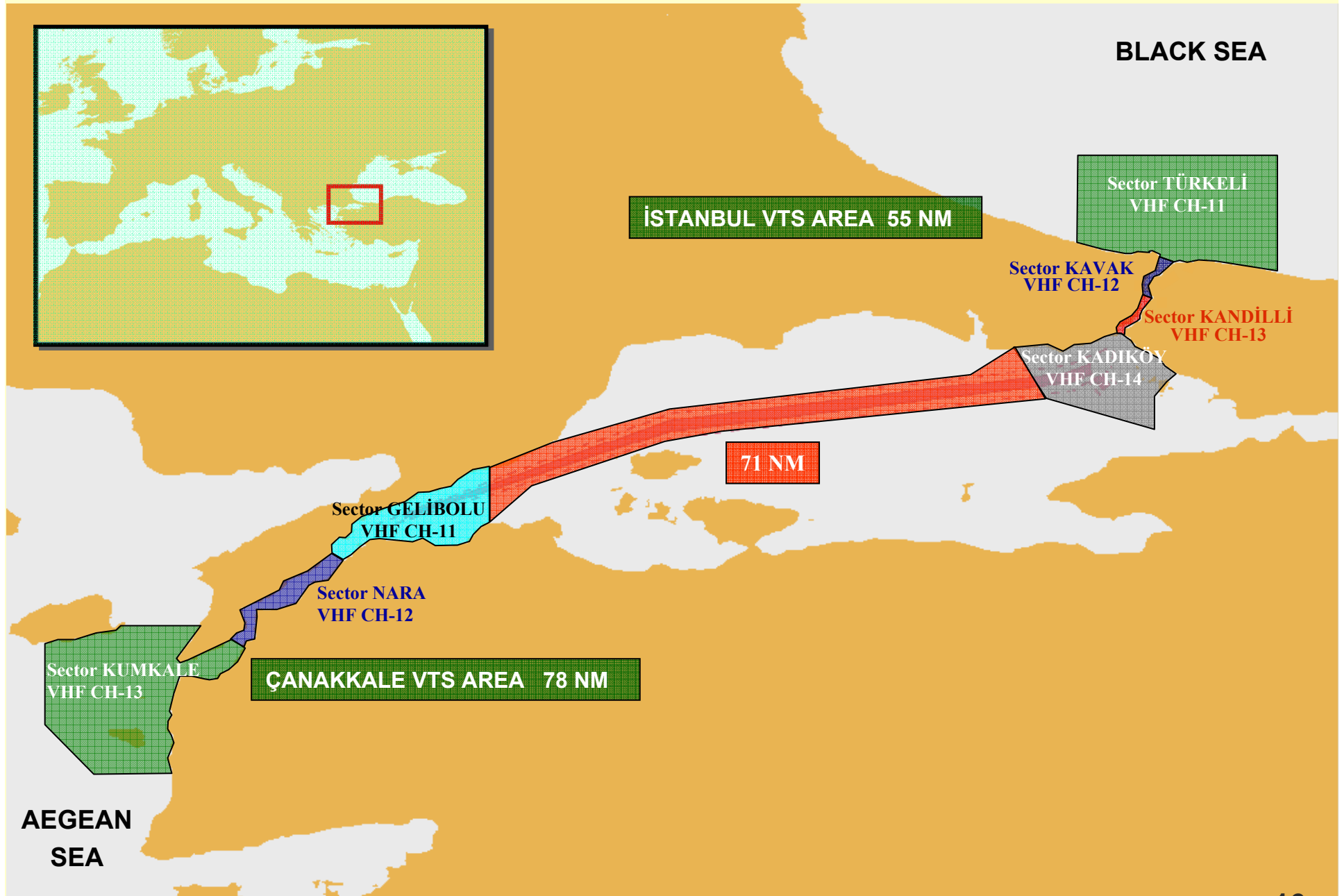




TURKISH STRAITS



VESSEL TRAFFIC SERVICE AREA



Istanbul VTSC ; 7 VTS Supervisors and 39 VTS Operators ----- Total 46

Canakkale VTSC ; 7 VTS Supervisors and 28 VTS Operators ----- Total 35



23/06/2004



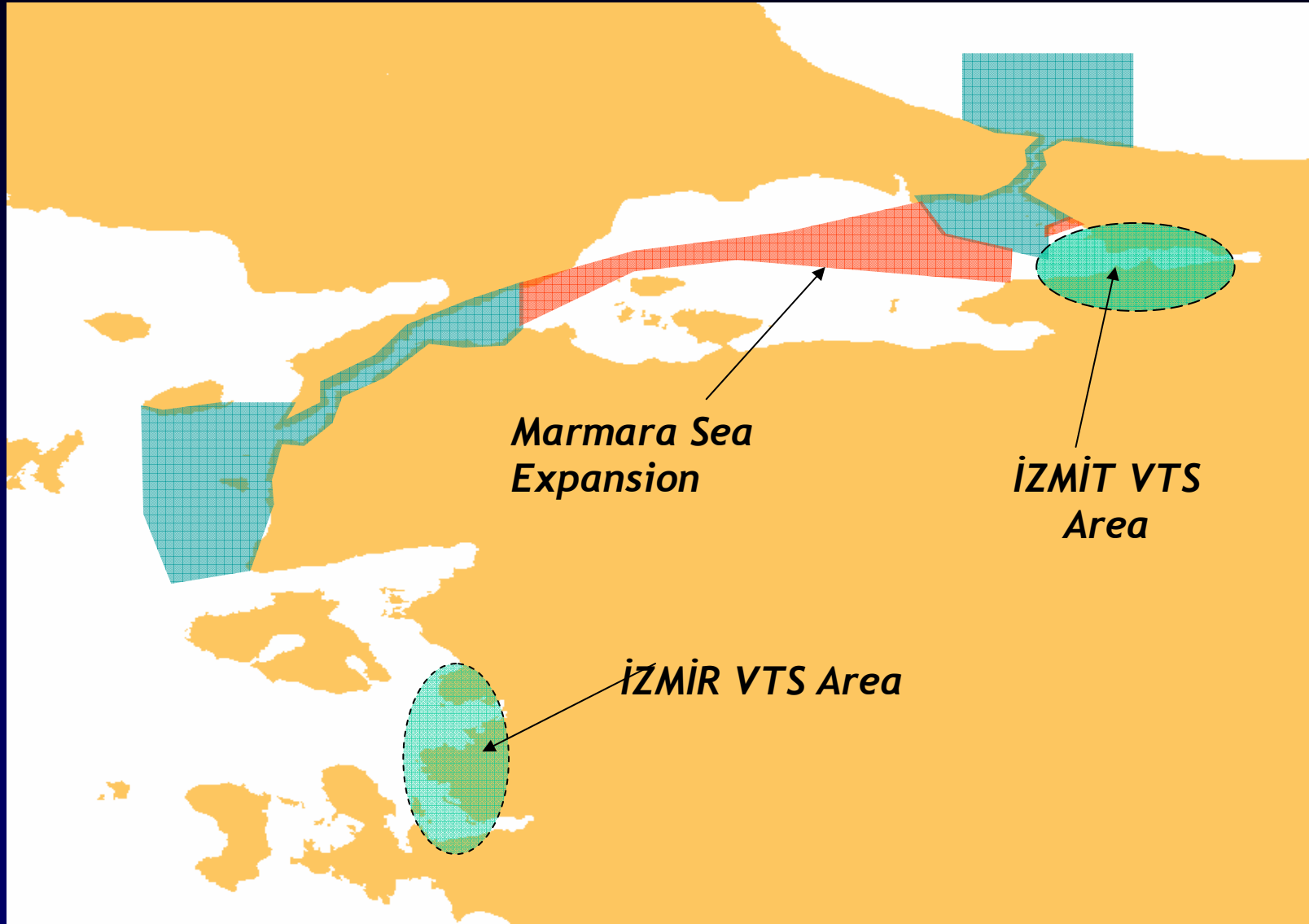
Safety of Navigation

- New VTS Projects are underway at İzmit, İzmir and Mersin-İskenderun ports and bays where the maritime traffic is dense.
- New systems will be completed in 2010.



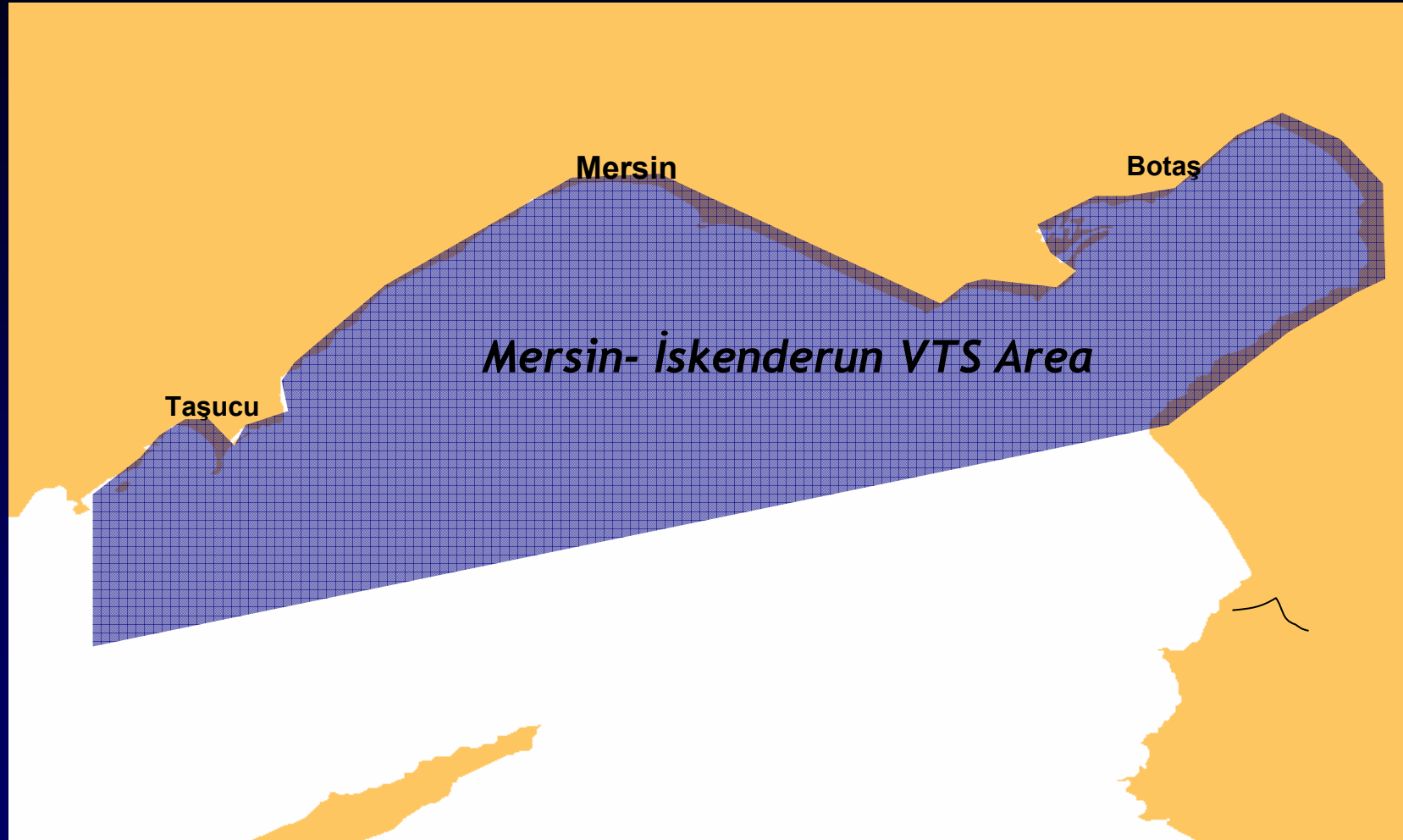


New VTS Projects





New VTS Projects





PLANNING, ESTABLISHING AND OPERATING THE TSVTS

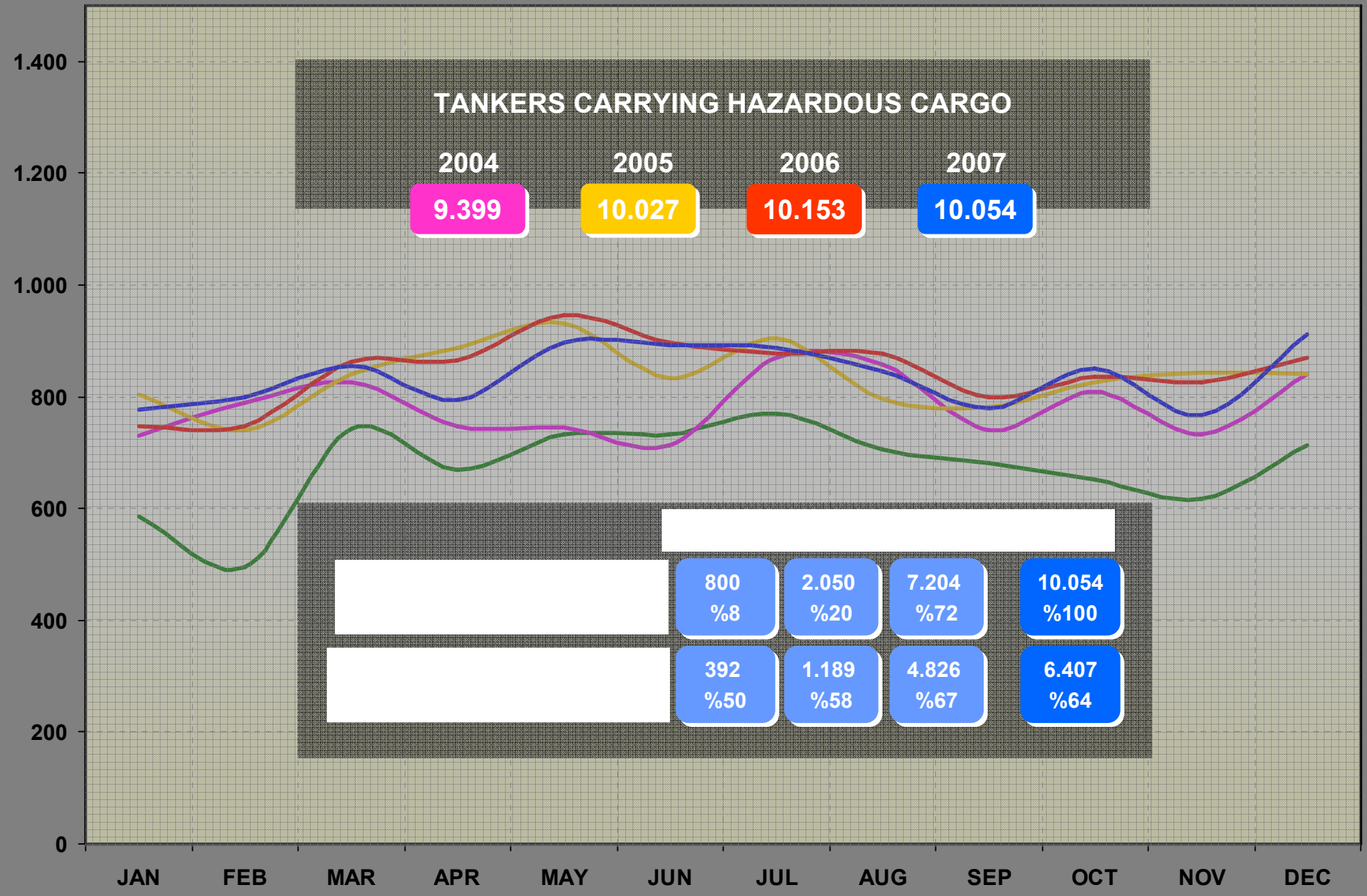
Relevant Documents

- **IMO Resolution A-857 (20)**
- **STCW 95 Resolution 10**
- **Solas Chapter V Regulation 12**
- **MSC Circular 1065**
- **IALA VTS Manual**
- **IALA V-103 /1/2/3/4**
- **EU- Directive 2002/59**

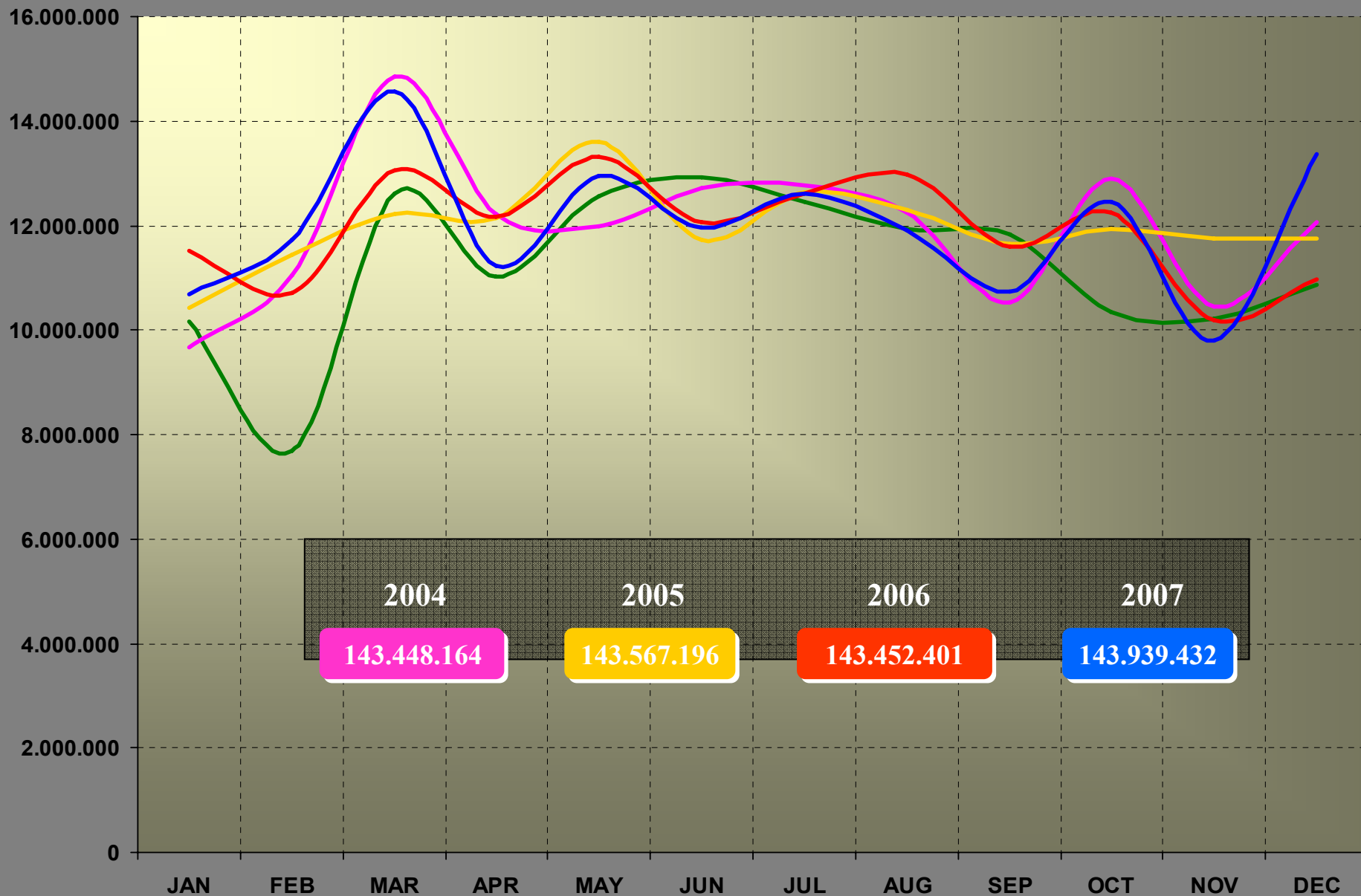
have been taken into account by the Competent and VTS Authority.



TANKER PASSAGES CARR. HAZARDOUS CARGO ISTANBUL STRAIT 2004 – 2007



TOTAL AMOUNT OF HAZARDOUS GOODS PASSAGE(MT) BY THE TANKERS ISTANBUL STRAIT 2004 – 2007





Main Objectives

- Safety of Navigation
- Protection of Marine Environment
- Safety of Life and Property

“considering the efficiency of vessel traffic flow”





Other (Secondary) Functions

- Security (ISPS Code implementation)
- SAR (Search and Rescue)





VTS Benefits

- ✓ Enhance safety of navigation,
- ✓ Arrange and coordinate maritime traffic,
- ✓ Provide information service to the vessels and port facilities,
- ✓ Serve navigation assistance service to the vessels,
- ✓ Perform an effective assistance in case of maritime accidents,
- ✓ Assist to improve maritime security.





Black Sea Memorandum of Understanding

Signed at İstanbul-Türkiye on 07 April 2000 and came into force on 12 December 2000.

Black Sea Memorandum Secretariat was established in İstanbul.

Black Sea Memorandum Information System Center was established at Novorossysky-Russia

PSC aims to verify whether foreign flagged vessels comply with applicable international conventions on safety, pollution prevention and crew living and working conditions where vessels are found to be not in substantial compliance PSC system imposes actions to ensure they are brought in to compliance





Members of Black Sea Memorandum

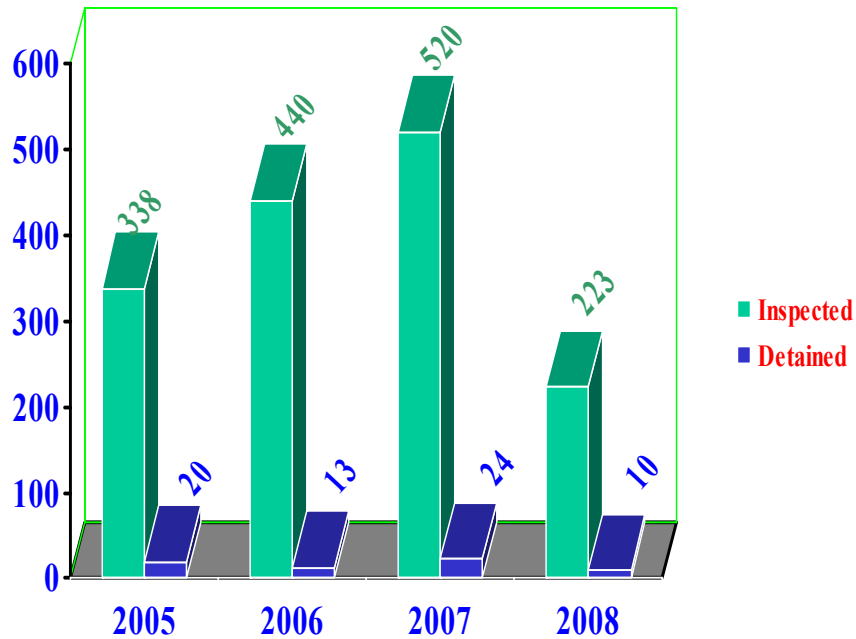
- The Russian Federation
- Romania
- Georgia
- The Republic Of Ukraine
- The Republic of Bulgaria
- The Republic Of Türkiye



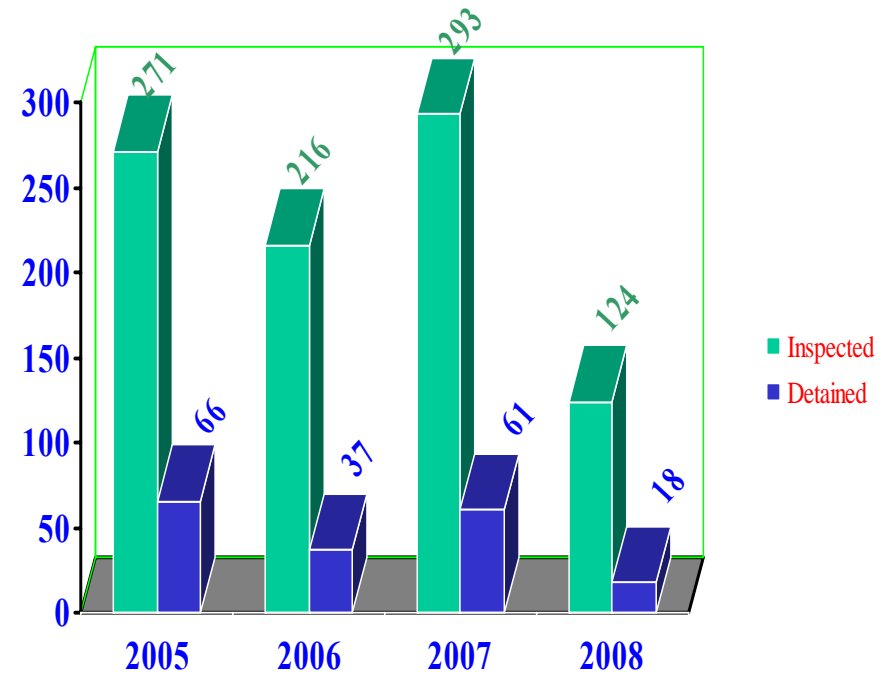


STATISTICS FOR BLACK SEA MoU

Turkish Flagged Vessels Inspected Abroad



Foreign Flagged Vessels Inspected At Turkish Ports





Thank You