MARITIME SAFETY IN THE ADRIATIC
- CHALLENGES AND OPPORTUNITIES -

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INTRODUCTION
Providing safety at sea

• History briefing - highlights
• How do we do it now-days
• What about safety in the future?
• Can we still enhance safety of navigation?
CROATIA - MARITIME COUNTRY

- Total population 4.44 million / 30,000 seafarers
- Length of coastline 6287 km – per citizen 1.4 meter
- 1246 islands of which 47 populated
- Semi-enclosed sea basin
- 4 national parks and 4 natural preservation parks located along Croatian coast and on islands
- 46 N/M Passage from Otranto to north-adriatic ports
- 1196 ships registered with 1.363.745 GT
- 539 yachts and 103.945 boats registered
- During a year Croatia is visited by over 54,000 foreign yachts
- Total annual traffic in ports: 26 million tons cargo and 22 million passengers
- 4 maritime faculties and 10 maritime highschools
HISTORY HIGHLIGHTS
First Lighthouse

• 1818. Austro-Hungarian monarchy built the lighthouse Savudrija, first of 48 lighthouses which are still in function.
ADRI REP
Mandatory Ship Reporting System in the Adriatic Sea

- adopted by the Maritime Safety Committee at its 76 session on the 5th December 2002.
- entered into force on the 1st July 2003
- participating - Italy, Slovenia, Albania, Monte Negro and Croatia
- APPLIES: All oil tanker ships of 150 GT and above. All ships of 300 GT and above, carrying on board, as cargo, dangerous or polluting goods, in bulk or in packages
Traffic Separation Schemes

TSS Northern Adriatic in force since 1 December 2004
EXISTING – 4 BS
1ST HALF 2008
2ND HALF 2008

AIS COVERAGE

AUTOMATIC IDENTIFICATION OF SHIPS SYSTEM (AIS) 2003-2008

Requirement of the Directive 2002/59/EC:
EU national AIS systems are to be completed to the end of 2007
PLACES OF REFUGE - 2007

- ADRIA GIS support to decision making process
- Tool-box for MAS/places of refuge
VTS RADAR SYSTEM 2010


- VTS radar system was placed into trial operation in November 2010.

- The maritime radar system was supplied by SAAB Transpondertech and TERMA valued at €5 million, is co-financed by the European Union PHARE 2006 programme with 75% (€3.7 million) while the remainder was financed by the Croatian Government.

- The VTMIS system facilitates full coverage of Croatian area of responsibility at sea.
INTEGRATED RADAR/AIS/ENC GUI

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CI MI S- Croatian Integrated Maritime Information System- National Single Window

- Implementation of Directive 2010/65/EC
- central contact point for all national authorities
- gateway to SSN
- Exchange with Port Community Systems/Interface for other Port authorities

BENEFITS
- Master/agent provides data only once
- Timely reporting solves port logistics (pilotage,..)
- ETA updated
- Providing data back to master/agent/other user
- Reduction of other conventional reporting requirements

IMPLEMENTATION:
- maritime administration I Q 2012
- maritime administration + port authorities I Q 2013
- maritime administration + port authorities + customs II Q 2015
Future developments

• Can we enhance safety of navigation?
• While reducing workload ship-side?
Development of Common Adriatic VTMIS

- Unified procedures in the VTS areas in the Adriatic sea
- Unified training and certification of VTS operators
- Simplification of ADRI REP → ADRI REP AIS EXCHANGE +
- Establishment of exchange of traffic data (NOA) on operational level
- Further development of appropriate routing and other measures

- Duration: 2011-2016