

TRACECA II

VTMIS in BCs

Summary of discussions

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Lisbon / 28 April 2015



- **The inventory questionnaires**

- Distributed to TRACECA II participating countries (November, 2014)
- Replied: 5 BCs

- **Bilateral discussions**

- To address all issues related to VTMIS
- To fill “gaps” in the inventory questionnaires

- **Evaluation**

- questionnaires and bilateral discussions
- public sources

- **Further steps**

- Questionnaires will be summarized and sent to BCs for their validation

Summary: Geographical information



- **Areas**
 - Black Sea / Caspian Sea / Sea of Azov
- **Traffic density**
 - Black Sea – intensive
 - Caspian Sea – intensive/moderate
- **Sea ports operated**
 - Various numbers

Summary: National Authorities



- **National Authorities dealing with VTMIS**

- **Traffic monitoring (VTS; MRS etc.)** – appointed by all participating Countries
- **AIS** – appointed by all BCs, except one
- **LRIT** - appointed by all BCs
- **SAR** - appointed by all BCs
- **Counter-pollution** - appointed by all BCs

- **Contact details**

- **VTMIS NCA:** contact details provided
- **AIS NCA:** contact details provided, except by one BC
- **LRIT NCA:** contact details provided



- **AIS infrastructure**

- AIS networks: two BCs
- Stand-alone AIS BSs: three BCs
- AIS information from other (public) sources: two BCs
- Limitations: one BC

- **AIS coverage**

- Mainly a full coverage of the coastline
- Schemas were not provided

- **AIS BS Controllers**

- Two BCs
- Various technical solutions (BSC for entire AIS network / BSC for each AIS BS)

- **National AIS Centers**

- Maintained by two BCs



- **AIS data storage**
 - Various solutions (not stored/ 1 month / 6 years / “forever”)
- **AIS data exchange formats**
 - Technical solutions: IEC 61162 / NMEA
- **AIS visualisation tools**
 - Availability
 - Various technical solutions: centralised (based on ECDIS) / decentralised (each user has its own system)
- **AIS data distribution**
 - AIS data are used only internally
 - AIS network is interconnected with other systems
 - AIS data are shared internationally
- **Future developments**



- **NCAs**
- **National LRIT Data Center**
 - Operated
 - Participation in a Cooperative Data center
 - Future plans
- **Number of ships equipped**
 - Various numbers
- **LRIT data users**
 - SAR services
 - FSC
 - Administrations



- **GEOREP (IMO SN/Circ. 230)**
 - Operated by MRCC Georgia
 - MRCC Duty Coordinator is responsible for monitoring reports and, if necessary, informing the appropriate authorities



- **Port VTSs / combined VTSs/ coastal VTSs**
- **Area of surveillance**
- **Technical means:** AIS, VHF, HF/MF, Radar, CCTV, etc.
- **Personnel in service:** various numbers
- **Personnel training:** operators' training in accordance with IALA V-103/1 recommendations/ on-job training
- **VTS feasibility studies**
- **Planned developments**



- **SAR services as per IAMSAR Manual:**
 - **No.** Maritime Administration in cooperation with other authorities carries out all search and rescue operations
 - **Yes.** As per SOLAS
- **SAR centers:** assigned
 - MRCCs /RSCs
 - Emergency services/ Crisis centers
 - On-going developments
- **Area of responsibility:**
 - National waters
 - SAR areas
 - Port areas



- **Counter-pollution services:** established
 - various solutions
- **Authorities:** assigned
 - various solutions
- **Area of responsibility:**
 - national waters
 - port area



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