



Republic Of Lebanon

Ministry of Public Works & Transport

Directorate General of Land & Maritime Transport

Seminar on VTMISS SAFEMED III

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VTMISS in LEBANON Presentation Outline

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 - ✓ Functionality
 - ✓ Operation
- **Procurement of New VTS**
 - ✓ Features
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- **Automatic Identification System – AIS**
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- **Search and Rescue – SAR**
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- **Needs of LEBANON**
 - ✓ Financing of new VTS System
 - ✓ TA for SAR Tender Documents

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VTS In Lebanon – 2002 Till July 2006

Safety of Navigation and Security are two main aspects of the Lebanese Maritime Transport Policy. Towards, ensuring the adoption of these two aspects, the Directorate General of Land & Maritime Transport – DGLMT had implemented state-of-the-art Vessel Traffic Services (VTS) System. The VTS system was put in full operation at the beginning of 2002.

It is worth mentioning that this VTS System was financed through a grant under a Lebanese – French Protocol to whom we pay our thanks and gratitude.

Unfortunately, during the war on Lebanon, the VTS System was directly hit by the Israeli Raid, and was completely destroyed.

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VTS In Lebanon – 2002 Till July 2006

➤ **Features**

The VTS System comprised the following equipment:

- ✓ RADAR
- ✓ VHF Radio Communication
- ✓ Display and Tracking System
- ✓ Reporting System

➤ **Functionality**

- ✓ VTS was installed in Beirut and Tripoli Ports to cover the strip from the Northern Lebanese border to South of Beirut
- ✓ The Range of the VTS System was 20 NM under worst weather conditions
- ✓ Plans were prepared to extend the coverage to the Southern Border so that the whole Lebanese Coast is covered

➤ **Operation**

- ✓ The VTS System was operated by personnel trained on its operation and management by highly qualified team from the control center of Port de Marseille

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VTs In Lebanon – 2002 Till July 2006

➤ Existing situation of monitoring navigation in Lebanese territorial waters

- ✓ *Communication with vessels calling Lebanese Ports is conducted via the VHF Radio Communication System*
- ✓ *Coordination with Lebanese Navy through a Joint Committee to get information through the Navy System*
- ✓ *System built in-house to keep a proper database and reporting system of the ships calling Lebanese Port*

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Procurement of New VTS System

- *In cooperation with the European Commission, a consultant was contracted to prepare the specification and tender documents for procurement of new VTS System. The preparation of those documents was completed.*
- *Due to lack of funds, DGLMT was unable to launch the tender for the procurement of the new VTS System*

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Procurement of New VTS System

➤ Features

The newly designed VTS System comprises the following equipment:

- ✓ Five Remote Sensor Sites (RSS) located along the coast
 - ❖ Three RSS operate with long range radar antennas
 - ❖ Two RSS operate with medium range radar antennas
- ✓ Several systems to safeguard point-to-point connection between RSS sites, Harbor Master Offices and DGLMT premises
- ✓ Three AIS Stations located along the coast
- ✓ Six CCTV Stations
- ✓ Four Meteo Stations
- ✓ One HF/MF-DCS Radio Station
- ✓ Seven VHF-DSC Radio Stations and Remote Control Units to be located in the Lebanese Ports

➤ Functionality

- ✓ The new VTS covers the whole Lebanese territorial waters along the Whole Coast

➤ Operation

- ✓ The New VTS System will be operated by the qualified team who operated the old VTS and are now monitoring vessels as explained earlier

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Automatic Identification System – AIS

➤ Existing Status

- ✓ The AIS has been included in the tender documents for procurement of the VTS System. Accordingly, no AIS is available now for DGLMT since it is linked with the procurement of the VTS System.
- ✓ Information pertaining to AIS is provided now to DGLMT from the Lebanese Navy through the Joint Committee established which constitute the concerned authorities in addition to Lebanese Navy and DGLMT

➤ Exchange of Information within the region/Sub-Region

- ✓ Lebanon is committed to the Regional Transport Action Plan – RTAP through which cooperation, coordination and exchange of information are main objectives of the RTAP
- ✓ A well defined approach of the exchange of information has to be prepared and agreed upon by the various parties

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Search and Rescue – SAR

➤ *Search and Rescue – SAR Convention*

- ✓ *Lebanon had ratified the SAR Convention, and as such Lebanon is a one of the active member states of this convention.*

➤ *Performance of SAR Activities*

- ✓ *SAR activities are now performed through the cooperation between the Lebanese Navy and DGLMT. The Lebanese Navy is providing the necessary equipment and instruments for the performance of SAR activities.*

➤ *DGLMT SAR Center*

- ✓ *DGLMT has prepared the premises for an exclusive SAR center.*
- ✓ *TA was requested from EC through the IMP Project for the preparation of specifications and tender documents for the procurement of the necessary equipment and instruments for the good performance of the SAR activities.*

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Needs of LEBANON

➤ *Financing of the procurement of the New VTS System*

- ✓ *As mentioned earlier, the tender documents for the procurement of a new VTS System were prepared.*
- ✓ *Due to lack of budget available for DGLMT, Lebanon was unable to launch the tender documents.*
- ✓ *Lebanon is seeking the assistance of EC in financing the procurement of the new VTS System through a grant provided for this purpose. The estimated cost of the new VTS System is about 3.5 Million Euros.*
- ✓ *Lebanon is ready to contribute to the grant provided to ensure that the whole budget is secured.*

➤ *Technical Assistance for SAR Center Tender Documents*

- ✓ *As mentioned earlier, DGLMT has requested TA through the IMP Project financed by the EC to prepare the tender documents for the procurement of equipment and instruments for the SAR Center.*
- ✓ *DGLMT will follow-up closely on this aspect with the IMP Project.*

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