

***Concluding event PHARE 2005 Twinning Project
„Institutional Capacity Building in the Field of Maritime Safety”***

&

***kick off event PHARE 2006 Twinning Project
„Institutional Capacity building for VTMS and FSI”***



IMPLEMENTING CROATIAN VTMS SERVICES



REPUBLIC OF CROATIA
MINISTRY OF SEA, TRANSPORT AND INFRASTRUCTURE
Safety of Navigation, Marine Environment
and Inland Waters Protection Directorate
Lukša Čičovački, head of department

Zagreb, 20 March 2009

PROJECT LIFELINE

2005

- Technical assistance through Administrative Capacity Building/Project Preparation Facility - CARDS 2004 :
 - Pre-accession Maritime Transport Strategy for Croatia
 - CVTMIS Development Strategy
 - Feasibility Study

2004-2005

- Automatic Identification of Ships System- phase 1

2007-2008

- Functional and Technical Study on VTMS

2008

- Automatic Identification of Ships System- phase 2
- Twinning projects PHARE 2005 & 2006 – in implementation
- Radar subsystem - contracted

Total disbursed and contracted costs

2.500.000 Eur – documentation

7.500.000 Eur – equipment: radari, AIS, other

INSTITUTIONAL CAPACITY BUILDING IN THE FIELD OF MARITIME SAFETY TWINNING PROJECT HR/2005/IB/TR/01 RESULTS

transfer of knowledge and experience

Activities	Results
1) VTMISS training operation	<ol style="list-style-type: none">Analyses of human resources<ul style="list-style-type: none">• Training plan• Training programmes• A number of seminars
2) Conceptual database model	<ol style="list-style-type: none">Analysis of data flow, development estimation, effect of new organisational modes and/or technologiesCompatibility testing & draft proposal of update procedureEstimation of future service needs
3) Preliminary VTMISS Manual	<ol style="list-style-type: none">Analyses of traffic and procedural recommendationsPreliminary VTMISS Procedures & Arrangements Manual
4) Marine Casualty Investigation training arrangements	<ol style="list-style-type: none">Analyses<ul style="list-style-type: none">• Casualty investigation procedure (flow chart)• Marine Casualty Investigation Procedures Manual• Training programme and seminars
5) VTMISS study visits	Study visit to Finland & study visit to Italy

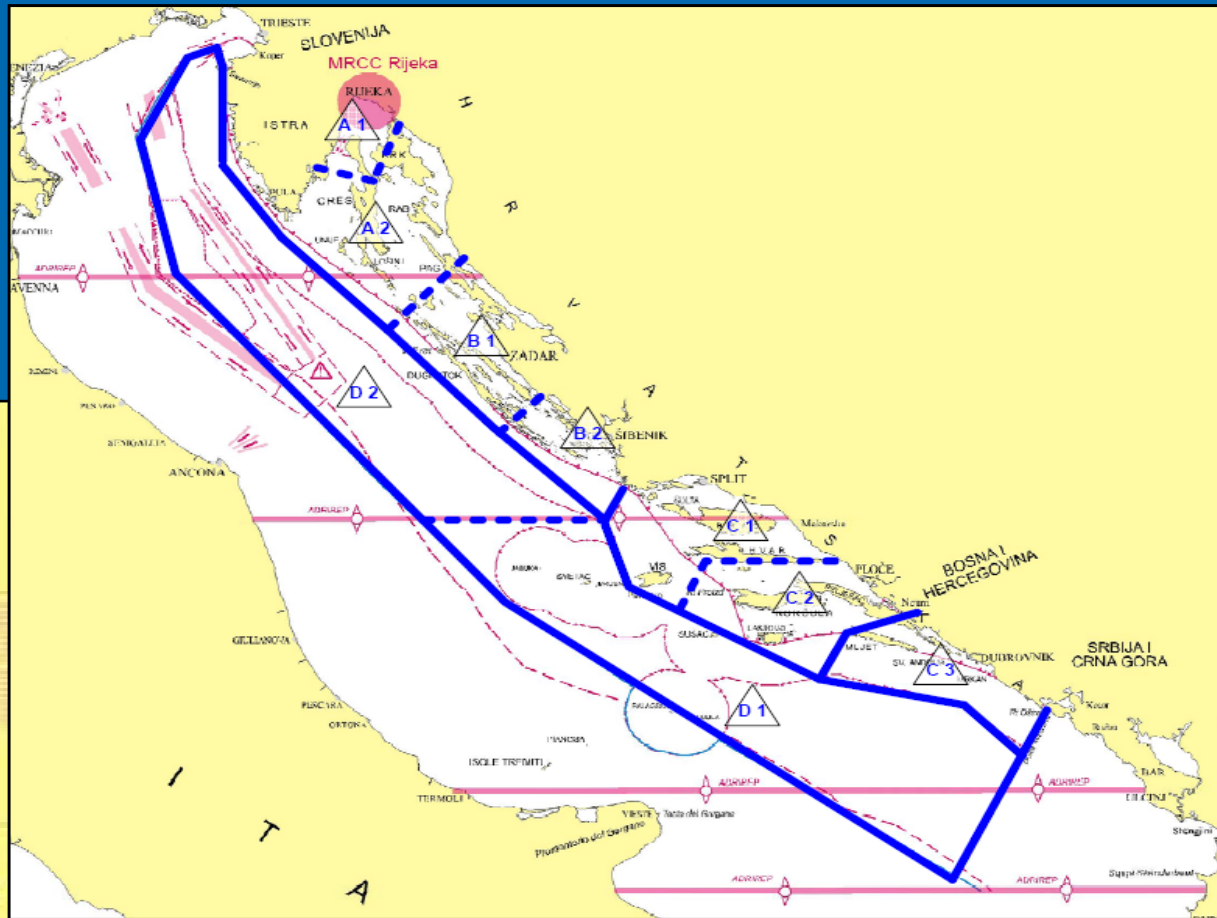
VTS AREAS

Monitoring areas

Routing areas

Manoeuvring area

Exclusion zones



VTS operators
workload
assessment

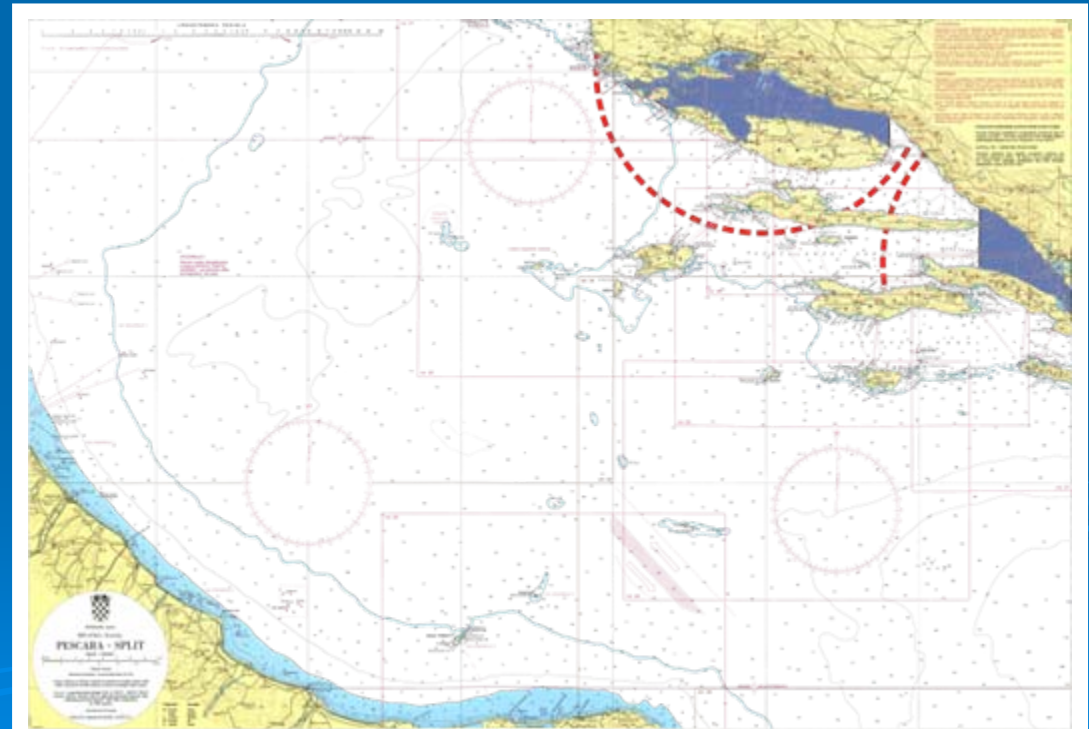
VTMIS PROCEDURES AND ARRANGEMENTS MANUAL

- **Information service (INS)** means:
 - regular information regarding traffic situation (all-ship reports), aiming to assist on-board decision making,
 - information (upon request from a ship) regarding traffic situation.
 - **Navigational assistance service (NAS)** means:
 - information to assist the on-board decision-making process and may **inform, advise** and/or **instruct** vessels accordingly.
 - **Traffic Organization Service (TOS)** means:
 - essential and timely information to assist the on-board decision-making process and may advise, instruct or **exercise** the authority to direct movements.
-

VTMIS- PARTICIPATION OF VESSELS ESSENTIAL

- **Participating vessels** are all vessels of **24 meters** (except fishing vessels and war ships) in overall length or more.
- Participating vessels are required to:
 - **report** to VTS centre,
 - **watch** VHF channels used in the VTS area,
 - **follow** instructions received by responsible VTSO.

SPLIT/PLOČE VTS





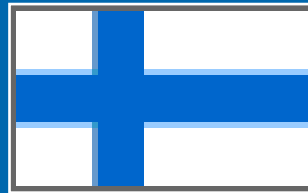
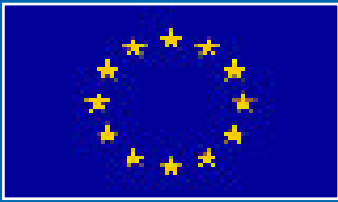
STUDY VISIT FINLAND ESTONIA



PHARE 2006 Twinning Project „Institutional Capacity building for VT MIS and FSI”

TASKS TO FOLLOW

Activities	Benchmarks
1) Education and training of VT MIS personnel	8 seminars for min 30 VT MIS operations & maintenance management, course material developed, tested & finalized with 5 trainers trained and certified for delivery of courses, training facility established, 3 highly specialized operators trained
2) Planning and realization of a study visit	Reports of findings of the study visit & amendments to VT MIS procedures and arrangements manual
3) Administrative capacity building for FSI	Continuous training programme in place for training of MA staff on FSI, course material developed, tested & finalized with 3 trainers trained for delivery of courses, 4 seminars held & min 15 MA staff trained on FSI, HRMS and training policy in place, proposal for amendments of Quality Management System, implementation of Directive 94/57/EC



CROATIA

FINLAND

