

Maritime Information Sharing and Safety of Navigation: Innovative Solutions

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Technical Seminar | Venice | 29 March 2019

HR INNOVATIVE MARITIME SOLUTIONS

Croatian Integrated Maritime Information System CIMIS

CIMIS is a complex web based system with central database, GUI and web services implemented

Not only acting as national SafeSeaNet and maritime NSW developed on the basis of Directives 2010/65/EU (RFD) and 2002/59/EC (VTMIS), but also contains data and certificates **beyond** RFD and VTMIS Directive: Database of Seafarers, Pilotage modul, Tug Services Information, Ballast Water Reporting, Nil and Narcotic Lists, Cruise Ships Itinerary, 72h PSC pre-arrival notification (PMoU), certificates: CLC, bunker, ISSC, AFC, Wreck, P&I, Database on national maritime ports (anchorage, berths, terminals) supported by advanced GIS platform and berth allocation within port area

Current developments:

- web service with new nPCS design
- web service for shipping AIS triggered reports
- web service with ticketing app
- development of e-certificates

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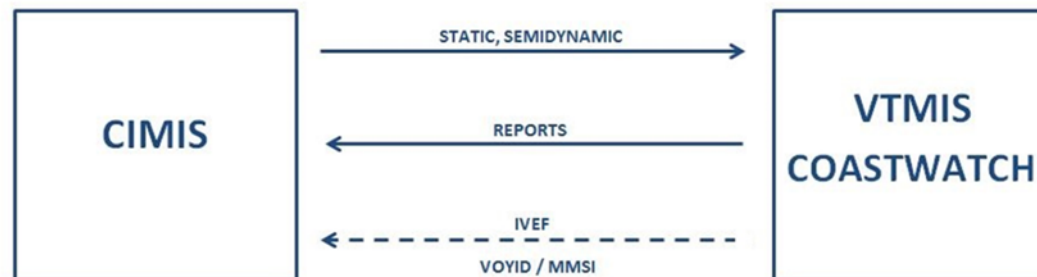
NATIONAL VTMIS

Since 2008 provides:

- coupling of VoyageIDs' in NSW and CW
- exchange of position reports, arrival and departure reports, violation reports etc.
- update of ETA next port of call
- provides manual and automatized validation of AIS data throught correlation

Developments:

- Time&space management and voyage planning consolidation: route exchange, route optimisation, navigational warnings, enhanced monitoring, port call optimisation, importing pilot routes, SAR



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Adriatic Marine Meteorological Centre AMMC

HR Meteorological and Hydrological Service Marine Meteorological Center Split → WMO Adriatic Marine Meteorological Centre since 2014

AMMC

- established and developed as the WMO virtual regional information center with goals to support sustainable economic growth and development of the Adriatic Sea region and to improve safety of navigation as well
- supports WMO Integrated Global Observing System (WIGOS)
- represents the key point of communication and transmission of maritime meteorological information, data and products for Adriatic with the World Information Center GISC Offenbach
- collects, distributes and exchange official meteorological data and products from national meteorological and hydrological services and their partner organizations
- capacity building for integrated meteo-oceanographic forecasting and modeling and decision support service

POSSIBLE COOP'S

- sharing of HR know-how in NSW, VTMIS
- sharing of radar tracks
- development of maritime services for NON-SOLAS fleet
- EMSA pilot projects deliverables implementation (facilitation of ship to shore reporting + enhancement of ship database services)


PRIORITY AREAS

EUREKA Project


- Amendment of ADRIREP to reduce excessive administrative burden and unnecessary duplication of data
- Capacity building activities (training, education, standardization, interoperability): joint VTS operators harmonized procedures and VTS services
- Adriatic-Ionian Common Maritime Single Window: a common interface for S2S information exchange beyond Directive 2010/65/EU (i.e. information on yachts, fishing vessels etc.)
- Preparation of Treaty proposals - Adriatic mandatory ship reporting system (ADRIREP) to IMO and overall maritime safety agreements among AI countries
- Maritime safety permanent transnational network – setting up the permanent regional network encompassing the Maritime Transport Authorities for the identification of existing obstacles/bottlenecks and potential for improvement in the field of VTMS, data exchange platforms (NSW), SAR, marine environment protection

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