

D.4.2.5. Upgrading of the Croatian National Single Window

RAM_{S.p.a.}
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Document Control Sheet

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Content

INTRODUCTION	3
1. UPGRADING OF THE CROATIAN NATIONAL SINGLE WINDOW.....	4
2. COMMUNICATION & DISSEMINATION	6

Introduction

The Ministry of the Sea, Transport and Infrastructure of Croatia (MSTI) as state public body responsible, inter alia, for the national maritime safety and transport, invests permanently in raising safety at sea and in the ports and aims to improve and speed up port procedures regarding ships arriving in and departing from the ports.

MSTI established and constantly upgrades maritime national single window (NSW) in order to achieve harmonized, stable and reliable electronic platform for fast and safe exchange of maritime data between all relevant stakeholders including shipping industry and port operators.

Croatian NSW is established based on obligations deriving from Directive 2010/65/EU of the European Parliament and of the Council of 20 October 2010 on reporting formalities for ships arriving in and/or departing from ports of the Member States and repealing Directive 2002/6/EC and Regulation (EU) 2019/1239 of the European Parliament and of the Council of 20 June 2019 establishing a European Maritime Single Window environment and repealing Directive 2010/65/EU.

In order to further improve data exchange between the ports and competent national maritime authorities, MSTI and ports identified the need to interconnect the Croatian NSW platform and existing port IT systems via web services in order to raise the quality, speed and timelines of data exchange.

1. Upgrading of the Croatian National Single Window

Croatian NSW - port IT systems exchange functionalities have been agreed between the MSTI and Port of Split and Ploče after which the procedure for the selection of the external expert provider was carried out by the MSTI.

NSW was upgraded by the end of May 2019 with all required web services and logic and is ready to be interconnected with the port IT systems via web services.

Through the CHARGE Pilot activity D.4.2.5 “Upgrading of the Croatian National Single Window”, Croatian NSW was upgraded in order to be able to exchange technical data on ships, ships cargo, passengers and all other official administrative formalities regarding the ship calls at Croatian maritime ports.

Developed web service data exchange is enabled in both directions: NSW providing information to port IT systems and vice versa, allowing NSW on one side to push all relevant NSW data to ports and on other side enabling port IT systems to deliver port operative data to NSW.

Port operative data that can be delivered from port IT system to NSW includes information on actual times of arrival and departures of the ships into/from the ports (ATA, ATD) and on berths assigned to a specific ship while in port.

setPortFacility	User2Cimis_SetPortFacilityReq	SOAP operacija omogućuje zaprimanje zahtjevanog lučkog područja pomorskog objekta za određenu posjetu.
	Cimis2User_SetPortFacilityRes	

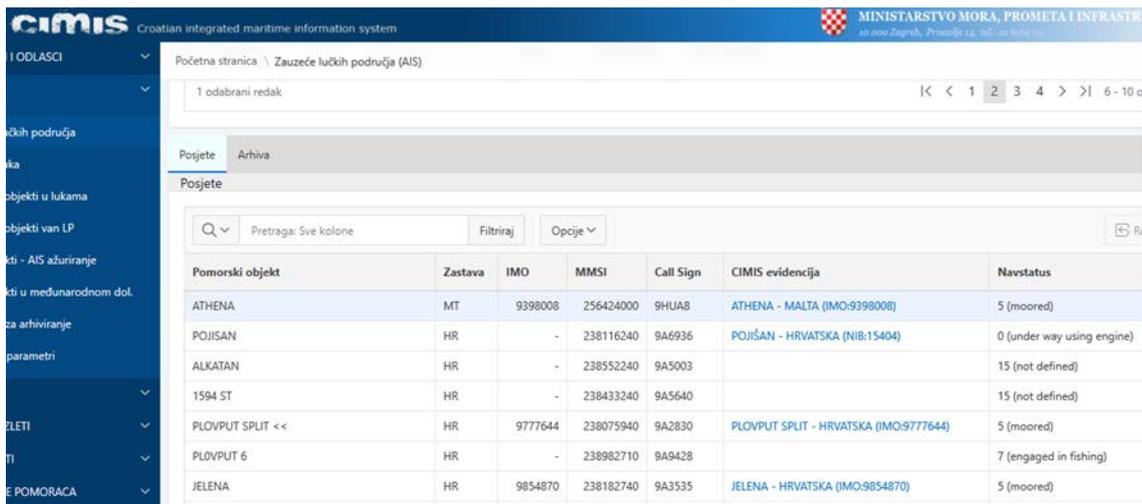
3.7.1 User2Cimis_SetPortFacilityReq

Struktura poruke

Element	Poj.	Tip	Dužina
Header	1	Čvor	
Version	1	String	4
SentAt	1	DV	-
From	1	String	-
To	1	String	-
MessageId	1	String	36
Body	1	Čvor	-
VoyageId	1	String	-
ApprovedPortFacilities	1	Čvor	-
PortFacilityCode	1-n	String	-

Example of the XML message (port facility request)

Beside the scope of regular ship electronic reporting based on inputs from the shipping industry, the advanced “AIS trigger” functionality was developed based on Inter-VTS Exchange format (IVEF) enabling automated ship’s movement monitoring on arrival at / departure from the area of the port authority, based on Automatic Identification System (AIS) information, thus improving the safety and logistics processes.



The screenshot shows the Cimis web interface with a table of ship information. The table has the following columns: Pomorski objekt, Zastava, IMO, MMSI, Call Sign, CIMIS evidencija, and Navstatus. The data rows are as follows:

Pomorski objekt	Zastava	IMO	MMSI	Call Sign	CIMIS evidencija	Navstatus
ATHENA	MT	9398008	256424000	9HUA8	ATHENA - MALTA (IMO:9398008)	5 (moored)
POJIŠAN	HR	-	238116240	9A6936	POJIŠAN - HRVATSKA (NIB:15404)	0 (under way using engine)
ALKATAN	HR	-	238552240	9A5003		15 (not defined)
1594 ST	HR	-	238433240	9A5640		15 (not defined)
PLOVPUT SPLIT <<	HR	9777644	238075940	9A2830	PLOVPUT SPLIT - HRVATSKA (IMO:9777644)	5 (moored)
PLOVPUT 6	HR	-	238982710	9A9428		7 (engaged in fishing)
JELENA	HR	9854870	238182740	9A3535	JELENA - HRVATSKA (IMO:9854870)	5 (moored)

Croatian NSW – ship information as received through IVEF AIS service

2. Communication & Dissemination

The use of the NSW - port IT systems web service data exchange is promoted through state owned Port Community, official letters, technical meetings and by means of the MSTI official web site - and will be further promoted by MSTI at upcoming meetings with ports, maritime authorities and shipping industry representatives.