



THE
WORKSHOP

Digitalization of **MARITIME COMMUNICATION**

February 8, 2024

h. 09.30

Genova Blue District

Via del Molo, 65r



Centro di Ricerca sull'Ingegneria
delle Piattaforme Informatiche



COMUNE DI GENOVA



Interreg Maritime



PROGRAMME (subject to change until the exhibition)

Working language: Italian and English
Simultaneous interpretation

General Co-Chairman: Rear Admiral (ITCG) Piero PELLIZZARI and Prof. Massimo MARESCA

09.30 a.m. Greetings:

- **Marco BUCCI**, Mayor of Genoa
- **Gianni VERCELLI**, Pro-Rector of Information Technology and Telecommunications - ICT
- **Rear Admiral Pierpaolo RIBUFFO**, Interregional Maritime Commander - North
- **Rear Admiral (ITCG) Piero PELLIZZARI**, Maritime Director of Liguria Region
- **Edoardo RIXI**, Deputy Minister of Infrastructure and Transport (video)

09.45 a.m. FIRST SESSION: Digitalization of the maritime environment

Chairman: Prof. Massimo Maresca – University of Genoa, DIBRIS Dpt.

- An IALA perspective on digitalisation of maritime communication - **Francis ZACHARIAE**, Secretary General of IALA
- Harmonising the rules to achieve a EU Maritime Single Window Environment - **Lazaros AICHMALOTIDIS**, Head of Unit, Digital Services and Simplification, EMSA
- Digitalization and Maritime Cybersecurity: the Norwegian Strategy and experience - **Arve DIMMEN**, Director Navigation Technology and Maritime Services, Norwegian Coastal Administration
- Services enabled by Internet diffusion - Assessment of the humans at sea - **Massimo MARESCA**, University of Genoa, **Silvio TRAVERSARO**, Italian Institute of Technology

11.00 a.m. Coffee break

11.30 a.m. SECOND SESSION: Maritime communications services

Chairman: Rear Admiral (CP) Piero Pellizzari - Italian Coast Guard

- An introduction to the development and implementation of the e-navigation concept – **Lt. Cdr. (ITCG) Paolo RENZI**, Italian Coast Guard
- S100 - A Revolutionary Approach to the Nautical Cartography: Maritime services for secure and integrated e-navigation – **Lt. Cdr. Cosmo PELUSO**, Navy Hydrographic Institute
- Digital Technology Stack for Maritime Services - **Carlo CAVAZZONI**, Director Digital Infrastructure, Leonardo SpA



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- Introducing digital components and services to simplify and harmonise the existing national system for ship reporting obligations – **Cdr. (ITCG) Matteo PRANTNER**, Italian Coast Guard
- Digitalization and Cybersecurity: The Italian Navy perspective – **Cdr. Alessandro SGRO'**, Italian Navy

12.45 a.m. **THIRD SESSION: Technologies and applications**

Chairman: Prof. Pierpaolo Baglietto – District SIIT Genoa

- VHF Data Exchange System (VDES): Operational applications and implementation perspectives - **Cdr. (ITCG) Cosmo FORTE**, Italian Coast Guard
- Satellite based Internet access and 5G integration - **Raffaele BOLLA, Igor BISIO**, Diten, University of Genoa
- 5G: Military applications, operational perspectives and SATCOM integration in the Italian Navy – **Cdr. Federico CARLEO**, Italian Navy
- The transition to digital voice radio telephony in the VHF maritime mobile frequency band: an unavoidable route? - Francesco Borghese, **Mario DI LORENZO**, Elman
- Navigation aids based on satellite and 5G technologies – **Luca ISGRÒ**, Cetena Spa; **Pierpaolo BAGLIETTO**, District SIIT