

Our date
23 November 2018

Our reference
Fredrik Kokacka

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Your reference

Fredrik Kokacka, +46104785418

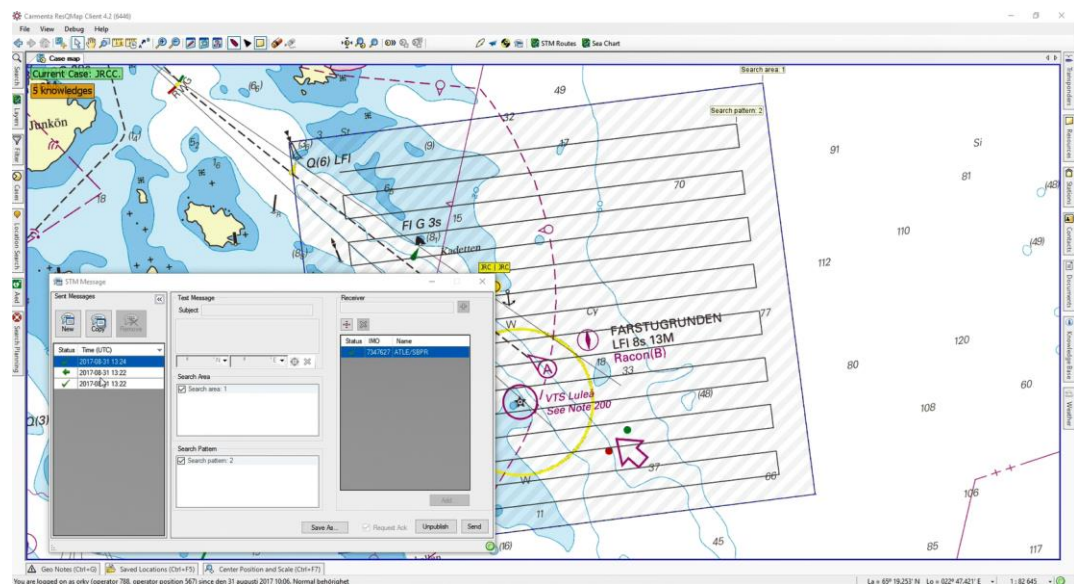
Picasso project SMA Final report 2018

Sub-activity 3.2 – IT tools for Crew Training (Serious Games): safety and advanced SAR methods

The scope of this sub-activity was to develop new training tools for safety and advanced SAR missions training, which will greatly decrease SAR response time and reduce misunderstandings during critical SAR situations.

The major actions for SMA in the PICASSO project was to create a workstation including a Search and Rescue Module with the software, Sea & Air Rescue Information and Control Tool for Search and Rescue (NILS), into the ship handling simulator, that are used by Chalmers University and SMA (both partners in EMSN – European Maritime Simulators Network)

The SAR module was installed by the end of 2017 and the simulator are now equipped and tested. An initial delay due to shortage of technicians was overcome and the equipment brought on-line 01/11/2017.



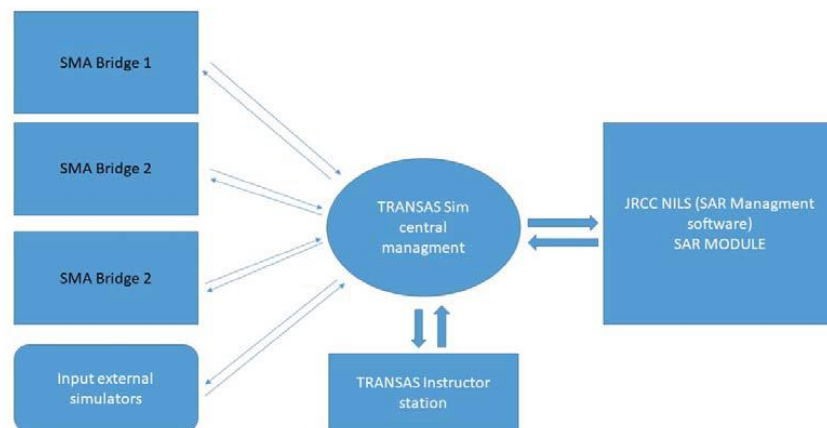
ResQmap NILS screenshot

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Description of workstation installation and design of SAR Module

- Installing physical SAR module/workstation at simulator facility, finalized June 2017
- Creation of electronic output of NMEA-data from SMA Ship handling simulator, finalized September 2017
- SAR software (SAR Module) adapted and installed on computers, finalized October 2017
- NMEA data connected to SAR Module, October 2017
- System test and acceptance finalized November 2017



SAR module integration

The following activities have been done during the PICASSO project 2017 and 2018 by SMA:

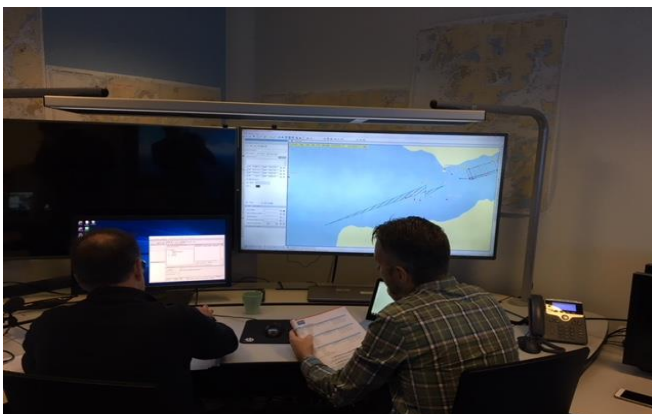
- Participating as observer in Maritime evacuation exercise Malta 2017-05-16
- Participation in work camp Malta 2017-05-17
- Presentation of the PICASSO project and the Maritime evacuation exercise at diverse SAR meetings i.e. MSAR in Helsingfors Finland (2017 and 2018).
- Participating in the SASEMA meeting in Madrid regarding the actual status of STM SAR and the integration of the STM SAR tools at JRCC in Gothenburg.

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- Investigation and reporting the different aspects of integration of SAR module in the Bridge simulator (Proposal of installation of NILS in to simulator 2017-03-04/MB)
- Integration of the SAR module (Sea & Air Rescue Information and Control Tool for Search and Rescue) for education purpose at the simulator center in Gothenburg. Several planning's meetings have been conducted during fall 2017, regarding implementation of the SAR module, that will be installed in the simulator at SMA and Chalmers university. The SAR module is a replica of the Sea and Air information and control tool for search and rescues that is in used at the JRCC in Gothenburg.
- Participation in Midterm conference and work camp Valencia 2017-11-22/23 and the final Conference at SASEMAR Jovaleanos Spain, in May 2018 were SMA representative was key note speaker.
- Participation in several meetings with communication and organization in act 4 and technical coordination of the PICASSO web site
- One On Scene Coordinator Course has been conducted during five full days in May 2018 at the ship handling simulator at SMA and Chalmers University. The course included interactive study, lectures, table top exercises, extensive simulations and transfer of experience between SAR specialists, guided by expert lecturers/facilitators from Chalmers University and SMA personnel.

In order to coordinate the activities on scene during search and rescue operations it is internationally recommended to appoint an On Scene Coordinator (OSC). The OSC should in addition to operational coordination receive; adapt to fit local conditions; implement; the search and rescue actions plans issued by the Search and Mission Coordinator (SMC).



Workstation whit the SAR module at the SMA ship simulator