



## CISE<sup>1</sup> - Technical Advisory Group (TAG), meeting 7 of 29-30.11.2011

### Minutes

#### Participants

- Beate Gminder (co-chair)
- Alessandra Zampieri (co-chair)

#### TAG members:/ substitutes

- Nicola Carlone (Maritime Safety...)
- Anders Bogelius (Fisheries Control)
- Leon Bouts (Fisheries Control)
- Eric Donnay (Marine Environment..)
- Eduardo Lobo (Border Control)
- Harri Ahonen (Border Control)
- Pasi Staff (Defence)
- Giovanbattista Raimondi (Defence)
- James Wood (EMSA)
- Bo Andersen (EUROPOL)
- Jani Isometsa (FRONTEX)
- Beatrice Comby (EFCA)
- Sven Tahon (EFCA)
- Olivier Plessiet (BlueMassMed)
- Jean-Marie van Huffel (BlueMassMed)
- Markus Gronblad (MARSUNO)
- Fabrice Coheleach (EDA)

#### Permanent Observers

- Francesco Vitti (EUMS)
- Patricia Romeyro (EUSC)

#### Commission services

- Olivier Fontaine (MARE)
- Thomas Strasser (MARE)
- Christos Kontorouchas (MARE)
- Isabelle Perret (MARE)
- Franco Oliveri (JRC)
- Tanya Chetcuti (DG INFSO)
- Jean-Bernard Erhardt (MOVE)
- Jukeka SAVO (MOVE)
- Lazaros Aichmalotipis (EMSA)
- Lawrence Sciberas (EMSA)

#### Invited Experts

- Karim Moueddene – Deloitte
- Eric Maes - Deloitte
- Szabolcs Skekeres

Bernard Garnier (TAG Permanent Secretary)

#### Location

29-30 November: EMSA - Cais do Sodré 1249-206 Lisbon - Portugal

#### Distribution of minutes

For review and approval by TAG Members

Approved meeting minutes are available to the general public.

<sup>1</sup> Common Information Sharing Environment (CISE) for the surveillance of the EU maritime domain.

### **Agenda Point 1. Opening (Co-Chairs)**

- Welcome by EMSA and the Chairs.
- The proposed agenda (Appendix 2) was approved.
- This meeting represents the Year1 Milestone of the TAG work, which has been very substantial in this first year. The TAG member's dedication is greatly appreciated.

### **Agenda point 2: Gap Analysis progress report (Step2)**

JRC presented the key findings obtained by analysing the TAG Maritime Data Supply-Demand excel table at the level of Data Sets (circa 90 entries out of 500) - cf PowerPoint presentation in the TAG repository – Maritime Forum <https://webgate.ec.europa.eu/maritimeforum/> .

- Principal conclusions are following:
  - **Data access:**
    1. At present 45% of the data are collected by more than one UC
    2. National Ownership is by far predominant
  - **Data exchange:**
    1. At present, 80% of the data sets currently exchanged are considered incomplete
    2. Under CISE, every UC requests and offers Data access from/to about all other UC = very balanced picture
    3. The cross-sectoral demand for information appears rather channelled and calls for selective data sharing instead of massive exchanges of the whole information repositories
    4. The cross-demand for information corresponds to an increase by 40% to 90% as compared to the information already available today in the respective UC.
  - **CISE should:**
    1. provide access to new or better data for all UC, with improvements between 40% and 90%
    2. reduce duplications and ease compilation (multiple ownership of data)
    3. allow access to data which today is essentially stored in national databases
- The powerpoint presentation on this gap analysis will be turned into a word document to be approved at the next TAG meeting

### **Agenda Point 3: Provisional CISE Planning**

- The global planning of CISE for the coming years has been briefly recapitulated:
  - Sequencing of the successive technical studies to support Step4, to be supported by some concrete project(s),
  - Pre-operational development phase to start end of 2013,
  - Impact assessment study to be conducted in 2012-2013
  - White Paper adoption in 2013
  - The objective remains to have by 2016 a first operational deployment of CISE
- TAG members are suggesting a fast progress of the CISE concrete/tangible framework without over-developing the analysis phase, although it is understood that legal issues need to be thoroughly explored in order to prevent any later roadblock.

#### **Agenda Point 4: Presentation of the 1<sup>st</sup> Step 4 Study (Technical mapping/ exist. Systems)**

- The Study methodology was presented by the invited experts (Mrs K Moueddene and E Maes): cf PowerPoint presentation in theTAG repository – Maritime Forum. It will essentially identify some 'high level' IT requirements for CISE that will be correlated with a mapping of the relevant existing and planned IT systems in view to show which systems can do what as regards the 'high level' CISE requirements. The results of this study shall serve as departure point for a second study that shall go in concrete details as regards CISE IT requirements.
- This six months study shall be contracted from DIGIT existing Framework Contract with Deloitte before year end.
- The presentation was followed by a tour de table to allow each UC to detail their planned input to the Contractor (networks, data models, info disclosure mechanisms, exchange management mechanisms as existing for the 21 EU and Regional systems...). These inputs are crucial for the success of this study.
- Conversely the Contractor will share with the TAG its final Analysis Grid as soon as available.
- Near-final results will be presented in the June 12-13 meeting of the TAG in Vigo.
- TAG members will act as contact/entry points to their respective user communities for Deloitte in the context of this study and will provide Deloitte with contacts and information to the extend possible.

#### **Agenda Point 5: Presentation of the e-TrustEx development of DG DIGIT**

- Both the global context of ISA (*Interoperability Solutions for European Public Administrations programme*) and the e-TrustEx toolbox were presented (cf PowerPoint presentation in theTAG repository – Maritime Forum) as one of the possible approaches to CISE.
- e-TrustEx is a tool that facilitates the secure electronic exchange of data and documents between Public Authorities at European, national and local level via standardised interfaces
- The existing data repositories and systems are unaltered. They provide the “back-office” functions (or “local domain”) to the e-TrustEx network through customised gateways.
- E-TrustEx is totally de-centralised and the pre-requisites are quite similar to CISE:
  - Public Administrations have to transform their native “languages” (or formats) to a “standard language” in the e-TrustEx “connector”.
  - Public Administrations validate that data and information conform to the agreed language.
  - Public Administrations need to exchange data in a secure way ensuring that it only reaches the intended recipient.
- An interesting feature for CISE is the control of the authorised character of any information exchange transaction by assessing the matching between the characteristics of the requested file and the specific profile of the requesting user. This allows implementing rules such as need to know, restrictions of purpose etc.
- Globally, ISA and e-TrustEx contribute to accelerate adoption of digital data exchange in Europe, promotes re-use of interoperable solutions for implementing secures digital data exchange in decentralized manner while verifying sender’s and receiver’s identity, roles and subsequent rights. E-TrustEx is “sector agnostic” and available as open source bricks to all “A to A” or “A to B” contexts.

### **Agenda Point 6: EMSA presentation of the 24/7 Data Room**

- EMSA invited the TAG to a presentation of its operational room where data availability is insured for SafeSeaNet, LRIT DC and CleanSeaNet. It is served 24/7 jointly by a Maritime information specialist and an IT specialist.
- It provided to the TAG many clarifications, in particular on the implementation of LRIT data management and access. It shall be noted that, from now on, EMSA plays the role of world-wide LRIT data hub previously provided by USA – as set by IMO, as a data flow manager not providing access to the third party data.

**(End of 1<sup>st</sup> Day)**

### **Day 2**

### **Agenda Point 7: Cost/benefits assessment of CISE as input to the Impact Assessment**

- As the business case for CISE needs to be demonstrated in several ways (i.a. gap analysis and cost benefit analysis), the general C/B methodology was presented by the invited expert Pr, Szabolcs Skekeres (IID, Budapest, Hungary) - cf PowerPoint presentation in the TAG repository – Maritime Forum
- The assessment of the cost and benefits of CISE is a complex task as it relies on 7 sectors across 27 Member States. A simplified approach will thus be required. This may be achieved i.a. by a sampling of selected representative scenarii (use cases) for which indicators and benchmarks may be identified. It will then be for the analyst to develop a methodology to capture the cost and benefits of CISE in the context of these 'use cases' and to extrapolate the cost and efficiency gains for a full CISE application.
- The Pilot projects (BluemassMed and Marsuno) have been identifying such above mentioned 'use cases'. TAG may review and potentially complement those in the context of the C/B analysis. In fine, these use cases may also serve for the technical definition work of CISE as well as for identifying solutions bridging the legal hurdles to the data exchange planned in the context of CISE.
- TAG members are invited to share with TAG any relevant information that may help developing the C/B approach in the context of CISE.

### **Agenda Point 8: MARSUNO Final Report to the TAG**

- MARSUNO is reaching the point of final presentations and assembling of all reports. Final reports will be circulated in the TAG.

The PowerPoint presentation is available in the TAG repository – Maritime Forum:

<https://webgate.ec.europa.eu/maritimeforum/> .

- “Layer 6” conclusions – those most relevant to CISE – are not yet definitive, as this cross-layer Working Group dealing with the integration of Maritime Surveillance can only draw conclusions on the basis of all other 5 individual Marsuno layer's conclusions. Layer 6 conclusions should be ready for presentation at next TAG meeting.

### Agenda Point 9: global work-plan for Step 6 Legal Study

The latest version<sup>2</sup> of the TAG Maritime Data Supply-Demand excel table includes the mention (and web-link) to any piece of EU legislation containing legal conditions/restrictions to information exchange, quoted as a C in column AT.

Each UC is requested to assess carefully these fillings preferably by beginning of January 2012, as they will form the final reference material for Step 5 Managing Access Rights and Step 6 Legal Study.

The indications collected that way will serve as an entry point to the legal analysis that is to identify the obstacles to the various types of requested future information flows and to explore possible solutions to bridge those hurdles. The above mentioned use cases will serve identifying and organising the main information flows. This will in turn help focussing the legal work on the most relevant legal hurdles.

### Agenda Point 10: Conclusions and Way Ahead

- The TAG feels encouraged by the very positive results achieved in the first year,
- The meeting short term action's summary is provided hereafter.
- **Merry Christmas and Happy New Year to all!**

### Next TAG meetings in 2012:

- **MONDAY TUESDAY 6-7 FEB - Hosted by EUSC in Torrejon near MADRID**
- **WEDNESDAY THURSDAY 25-26 APRIL (Including joint Meeting with MSEG) in BXL**
- **TUESDAY WEDNESDAY 12-13 JUNE - Hosted by CFCA in VIGO – Final Presentation of the sub-contracted Technical Analysis of Existing Systems and contributing Projects**
- **TUESDAY WEDNESDAY 18-19 SEPT - Hosted by EUROPOL in DEN HAAG**
- **TUESDAY-WEDNESDAY 13-14 NOV (Including joint Meeting with MSEG) in BXL**

### Action's summary

- **Each UC to validate not later than 15 January the Matrix columns AT to BC (“Protection” columns) in terms of:**
  - a) **Existence of a legal condition to access and use this data – the C in column AT,**
  - b) **Mention of the appropriate reference of the legislation expressing this condition in column AX, with possibly multiple entries,**
  - c) **Proper categorisation of the type of condition in columns AZ-BC***Please use exclusively for this the last version sent “Maritime Data Supply-demand 21-11-2011 Edited” as sent by mail the 24Nov 2011 at 5.45pm (also available on the website)*
- **Each UC to collect possible IT relevant material (technical notes, manuals...) on the information sharing systems to be investigated by Deloitte in the context of the technical mapping study, and possibly direct contact points for further technical inquiries.**
- **Each UC to collect possible material supporting the Costs-Benefits assessment of CISE**
- **Each UC to collect information and plan a presentation at next TAG about current access rights management (who decides what, how is it implemented) to the information sharing repositories they manage**

<sup>2</sup> Maritime Data Supply-demand 21-11-2011 Edited, sent by mail 24-11-2011 5.45pm, also on the TAG repository/ Maritime Forum

ANNEX 1 TAG Composition 10-03-2010

<b>Technical Advisory Group (TAG) members</b>		
	<b>Members</b>	<b>Substitutes</b>
<b>Co-Chairs</b>		
GMINDER Beate		
ZAMPIERI Alessandra		
<b>Secretary</b>		
GARNIER Bernard		
<b>User Communities</b>		
Maritime safety, security and prevention of pollution caused by ships	CARLONE Nicola	
Fisheries control	BOGELIUS Anders	BOUTS Leon
Marine pollution preparedness and response, Marine environment	GAGO PINEIRO José Manuel ( <i>provisionally</i> )	DONNAY Eric
Customs	MANTA Manuela	KASPEREIT Dieter
Border Control	LOBO Eduardo	AHONEN Harri
General law enforcement	SHIELDS Conor	
Defence	STAFF Pasi	RAIMONDI Giovanbattista
<b>Agencies</b>		
CFCA	COMBY Béatrice	TAHON Sven
EDA	COHÉLÉACH Fabrice	MIAS Solon
EEA	MEINER Andrus	
EMSA	BAL Leendert	WOOD James
EUROPOL	ANDERSEN Bo	REITSMA Gjalt
FRONTEX	ISOMETSA Jani	BERGLUND Erik
<b>Pilot Projects</b>		
BLUEMASSMED	PLESSIET Olivier	Ad hoc WG Leader
MARSUNO	GRÖNBLAD Markus	DREIER Lennart
<b>Other TAG participants (observers)</b>		
EUMilitary Staff – VITTI Francesco EUSatellite Centre – ROMEYRO Patricia EC InterService Group on IMS – maximum 2 people per DG/Service		



**EUROPEAN COMMISSION**  
JOINT RESEARCH CENTRE  
Institute for the Protection and Security of the Citizen  
**Maritime Affairs**

**TECHNICAL ADVISORY GROUP - TAG**  
**7<sup>TH</sup> MEETING - LISBON – EMSA – 29-30 NOVEMBER 2011**

**AGENDA**

**29 November 2011 (Lisbon) – Meeting 7**

**09:30**

1 - Welcome by EMSA

Agenda approval

2 - Gap Analysis progress report

3 - Global planning CISE 2012-2015

4 - Step 4: Presentation of the first subcontracted study (Technical mapping/ exist. Systems)

Study methodology presented by the invited experts (Mrs K Moueddene and E Maes)

Description of support of TAG members to the Contractor

Review and presentation of each UC input to the Contractor (networks, data models, info disclosure mechanisms, exchange management mechanisms as existing for the 21 EU and Regional systems)

13:00 Lunch break

**14.00**

5 - Presentation of the EU Digital Agenda and DIGIT ISA programme with a particular focus on eTrustEx project

**16:00**

6 - Live presentations by EMSA of the current information sharing platforms developments

**18.30** End day 1

**30 November 2011 (Lisbon) – Meeting 7**

**9.30**

7- Cost/benefits assessment methodology presented by invited expert Prof. Szabolcs Skekeres

Tour de table with contributions from each UC on ideas and inputs from the TAG on cost benefits of CISE:

- How to assess present costs (keep as is);

- How to assess a cost of being short of data access;

- How to measure expected improved efficiency;

8 - MARSUNO detailed presentation of findings

13:00 Lunch Break

**14:00**

Review Legal columns of Table 2

Review data dictionary

Step 5 Access rights definition and their management for CISE

Discussion and way ahead

Meeting conclusions

**16:30** End of meeting