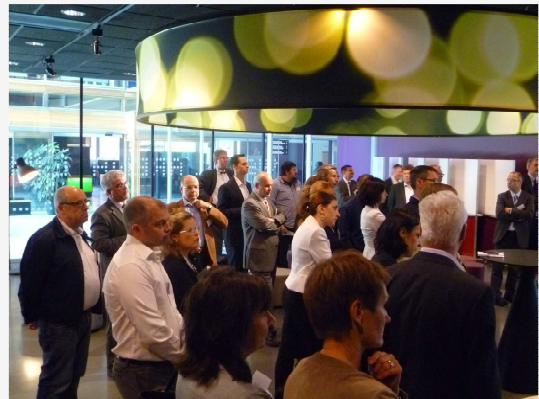




PSCE Conference in Gothenburg, Sweden



On 20-21 May 2014, PSCE organised another of its biannual conferences addressing the key topics within the domain of crisis communication. Co-organised by the Swedish Civil Contingencies Agency (MSB), the conference offered an interesting format, this time focused on interoperability, satellite communications, traffic security as well as on the management of the data flow in the control room.



The Conference took place at the Lindholmen Science Park, which is a national arena for research and development in civil security with the aim of developing new or improved capabilities within the Swedish crisis management system. The projects are conducted in broad collaboration between industry, university and public sector.

The event featured a diverse programme composed of interesting debates, roundtable discussions, collaborative session, brokerage event and networking possibilities. The event was organised in conjunction with COSMIC (www.cosmic-project.eu) and CRISMA (www.crismaproject.eu) workshops.

The conference material is now available for all participants on temporary platform. PSCE Institutional Members have opportunity to download all presentations at any time from the restricted part of the PSCE website. The next PSCE biannual conference will be held on 25-26 November 2014 in Paris, France.

Forum for Public Safety Communication Europe is to foster, by consensus building, excellence in the development and use of public safety communications and information management systems as well as to improve the provision of public safety services and the safety of the citizens of Europe and the rest of the world. The PSCE provides a common platform for researchers, industry and users to meet and network, learn about technologies used for public safety and influence policy makers at European level.

Summary of presentations and debates

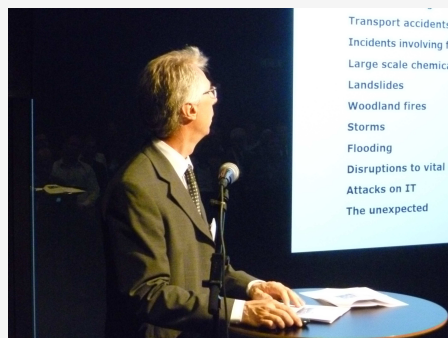
OPENING SPEECHES

- ❑ 10.10 – 10.15 – *Opening of the Conference by Manfred BLAHA, President of PSCE*
- ❑ 10.15 – 10.30 – *Welcome and introduction to Lindholmen Science Park, Peter ÖHMAN, COO at Lindholmen Science Park*
- ❑ 10.30 – 10.45 – *Presentation by the Swedish Civil Contingencies Agency, Håkan MARCUSSON, Swedish Civil Contingencies*

The conference was inaugurated by Manfred BLAHA, PSCE President, who began by welcoming and thanking over 50 guests with different background for engaging in the dialogue within public safety communications domain. He expressed a gratitude to their commitment of users, industry and research communities with special accent on the concept of best practices sharing. After his speech, Peter ÖHMAN welcomed participants on behalf of Lindholmen Science Park. His intervention was followed by the presentation of the Swedish Civil Contingencies Agency given by Håkan MARCUSSON.



Manfred BLAHA



Håkan MARCUSSON

INTEROPERABILITY

- ❑ 10.45 – 11.15 – *Anita GALIN, Swedish Civil Contingencies Agency (MSB) and Marianne STORRØSTEN, Directorate for Emergency Communication (DNK)*
- ❑ 11.15 – 11.35 – *Mats T. PERSSON, Swedish National Police Board*
- ❑ 11.35 – 11.55 – *MACICO project: Proposal for TETRA-TETRAPOL interoperability solution, Pasi KÄMPPI, Laurea University of Applied Sciences*
- ❑ 11.55 – 12.30 – *Roundtable on interoperability chaired by Uberto DELPRATO, IES Solutions*

The session on interoperability was opened by Anita GALIN (MSB) and Marianne STORRØSTEN (DNK) who provided introduction to Norway-Sweden ISI: A cross-border development project. Making reference to the Haga II Declaration, they stressed that the goal for the Nordic Region cooperation concerning civil security and emergency preparedness is the Nordic region without borders. The collaboration is focused on the ability to prevent, resist, manage, recover and learn from accidents and emergencies.

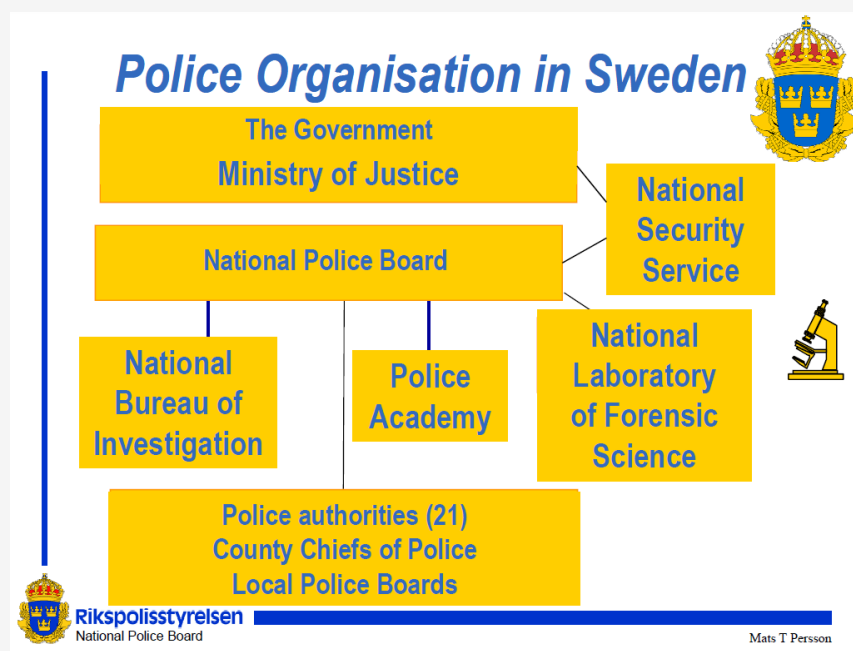


Interoperability roundable



Uberto DELPRATO

Mats T. PERSSON (Swedish National Police Board) stated that in Sweden the operator of the PPDR Tetra net (Rakel), Swedish Civil Contingency Agency (MSB), has implemented “back to back” solutions at the borders between Sweden-Denmark, Sweden-Finland and Sweden-Norway. At present, there is only voice transferred between the countries. However the supplier has offered the options of SDS and ‘status messages’ to be transferred as well. His presentation also included presentation of the Police Organisation in Sweden which is illustrated below.



The floor was then taken by Pasi KÄMPPI (Laurea University of Applied Sciences) who gave the presentation on the MACICO project. MACICO will develop a concept for interworking for security organisations in their daily activity. It deals with cooperation of security organisations that do not use (in their day-to-day job) the same radio network, but in some missions could take benefit from a sharing of their respective infrastructure. Use cases such as pursuit of criminals across a border, close support of vehicles going through a border, and disaster relief operations require security organisations from both countries to communicate together and to continue to communicate with their control room. After his speech, all the speakers answered questions from participants. This was done in the form of roundtable moderated by Uberto DELPRARO (IES Solutions).

The roundtable was followed by a **brokerage event** dedicated to the next call in Horizon 2020 programme (<http://ec.europa.eu/programmes/horizon2020/>). This new element was adopted by the Board following a great interest expressed PSCE membership. PSCE has been active in identifying relevant H2020 topics and inviting its constituency to establish project consortia based on defined principles which were briefly presented by David LUND (HWC).



Horizon 2020 Brokerage Event moderated by David LUND

SATELLITE COMMUNICATIONS

- ❑ 14.00 – 14.30 – “Satellite Broadband for European Regions (SABER)” project and its interest for the Public Safety sector, Philippe BOUTRY , Airbus DS
- ❑ 14.30 – 16.00 – Common collaborative session chaired by Egil BOVIM:
 - ❑ Presentation of the Emergency satellite-assisted Telecommunication Services (ETSI Specialist Task Force) in major disasters by Haitham CRUICKSHANK, Surrey University. Discussion around two scenarios:
 - *a major transport incident in rural area*
 - *an earthquake in urban area*

After lunch, Philippe BOUTRY (Airbus DS) took the floor to show how the approach proposed by the SABER thematic network may be of interest for the PPDR sector. The objective of SABER, co-funded by its partners and by the European Commission, is to ensure 100% broadband coverage in Europe thanks to satellite services. During the first part of the presentation, the objectives, the organization and the current achievements of the SABER thematic network were presented to the audience. The second part of the presentation focused on how Public Safety users can take benefit from the experience of this project and explore if (and how) a similar approach would make sense for Public Safety applications. PSCE members interested to join such an initiative should contact Philippe BOUTRY at philippe.boutry@astrium.eads.net.



Philippe BOUTRY



Collaborative session

The conference then continued with the **collaborative session**, moderated by Egil BOVIM, with the emphasis on two scenarios: a major transport incident in rural area and an earthquake in urban area. In the framework of the session, Haitham CRUICKSHANK (Surrey University) gave related presentations on emergency satellite-assisted telecommunication services as well as on the special task force STF473. Participants discussed the following questions:

1. How can we make satellite communications as a default part of emergency communication networks?
2. Any suggestions for obtaining realistic requirements for satellite/terrestrial communications.
3. Is generic communications model possible? Or each individual case has its own specific requirements.
4. How do we get realistic estimates of data, voice and video requirements for each incident?
5. Does social media has a role in emergency monitoring and alerting? Can satellite communication help here?



TRAFFIC SECURITY

- ❑ **09.20 – 09.40 – Tracking and Tracing of dangerous goods in the medical sector, Harold LINKE, HITEC**
- ❑ **09.40 – 10.00 – Handling of Dangerous Good Transports in European eCall, Jan van HATTEM, Rijkswaterstaat**

The second day of the conference was opened by Harold LINKE (HITEC) who mentioned that the number of dangerous goods transported increases every year, therefore so does the potential for incidents, ranging from major traffic accidents to theft and loss. The effects of these incidents can quickly become a matter for public concern. There is a growing need for public safety services to be aware of these dangerous goods and to know how to handle them correctly in case of any potential or actual incident. Within this general transport area, medical transportation is a special case and is very often underestimated, as are its unique risks. The medical transport sector represents an area with very particular features and specific needs. The presentation discussed the results of the ESA feasibility study DG-Trac and proposed a solution how to deal with dangerous goods transports in the medical sector. His speech was complemented by the presentation of Jan van HATTEM (Rijkswaterstaat) who talked about handling of dangerous good transports in European eCall.



Traffic security session

MANAGING THE DATA FLOW IN THE CONTROL ROOM

- ❑ **10.20 – 10.40 – Harnessing the potential of external information sources in the Control Room, Peter HABERL, Frequentis**
- ❑ **10.40 – 11.00 – Semantic analysis tools in crisis management, Luca BERGONZI, Beta 80 Group**
- ❑ **11.00 – 11.30 – How to optimise life-cycle costs of your 112 system? Nicklas SPANGBERG, Airbus Defence and Space**
- ❑ **11.30 – 12.00 – Technology state of the art for providing accuracy and reliability of positioning for 112,**

Souroush HONARY, HWC

The last session of the conference focused on the management of the data flow in the control room. Peter HABERL (Frequentis) talked about harnessing the potential of external information sources in the Control Room. Among others, he outlined the following challenges faced by operator's working environment:

→ Challenge: Operator's Working Environment

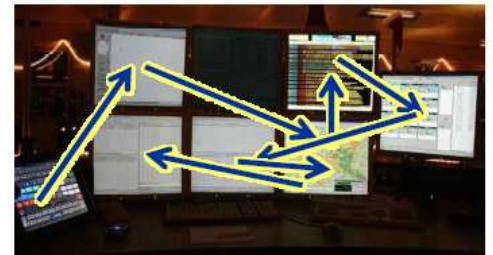
→ Until mid 1990s: Operator as Service-Integrator

- Different Media for specific tasks
- Paper & Pen
- No Integration



→ Mid 1990s till now: Operator as Business-Service-Integrator

- Silos: CAD, RMS, ICCS, GIS, AVLS etc.
- None to Low Horizontal Business Process Integration
- High Maintenance efforts for individual Databases



→ Now: Horizontal/Datacentric Integration

- Seamless Integration different Systems
- Reduction of Manual Tasks, Increase of Operator Performance
- Mission centric!



Luca BERGONZI (Beta 80 Group) centred his speech around semantic analysis tools in crisis management through the presentation of TORCIA project, the aim of which is to use the available web 2.0 emergency management technologies in the process of planning and controlling critical situations – accidents or natural disasters – guaranteeing the resilience of transport infrastructure. The TORCIA project uses this collaboration with the public to analyse the **data shared through crowd-sourcing technologies**. The novelty of the project from the technological point of view is the use of social networks in a complete and integrated manner, both to interpret the information received during an emergency and to pass it on to the authorities. It was decided that these events should be tackled using a data processing infrastructure based on **geographically distributed platforms connected to one another by a high-capacity optical network**.

Nicklas SPANGBERG (Airbus Defence and Space) discussed how to optimise life cycle costs of 112 system. In particular, his presentation focused on current trends in emergency response; enables of change; balancing of cost and risk during transition as well as on achieving control room interoperability.



At the end of the conference, Souroush HONARY (HWC) gave a speech on the technology state of the art for providing accuracy and reliability of positioning for 112.

For more information about this event, please contact secretariat@psc-europe.eu.

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