



ROBORDER

11th meeting of the CoU on secure, safe and resilient societies

Theme 8 – Information exchange and Interoperability
Brussels, 5th June 2018



Overview



- Agenda
 - Do we even need interoperability?
 - What does it all mean?
 - ROBORDER's take on interoperability
 - Q&A



Do we even need interoperability?



- The why

- In a “perfect” world all data collected by sensors is understood by every system and all systems can understand each other
- Reality is messy – we have numerous different systems, different sensors, different vehicles and they all speak different languages
 - This is not necessarily bad - Diversity is good
 - There is a genuine belief that some solutions are better than others
 - Innovation is dynamic – the world is not static



Do we even need interoperability?

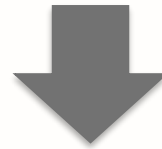


- The why

- We do not live on islands (connectedness)
- Ever shrinking world... (and budgets)



Smarter use of the available resources and information



We need systems that can talk to each other



What does it all mean?



- What Users want
 - Better situational awareness
 - At lower costs
 - With higher efficiency
- What drives Industry and academia
 - Solving problems
 - Developing knowledge
 - Keeping its competitive edge



What does it all mean?



- How do we achieve interoperability then?
 - Standards
 - Formal
 - *De Facto*
 - By edict
 - Through consensus
 - Regulations
 - Political
 - May mandate the use of standards



ROBORDER's take on Interoperability



- Assumption
 - Perfect interoperability is utopic
- ROBORDER's approach
 - Standards and common practices are good but it is also important to create an environment where everyone feels comfortable (users, academia and industry)
 - Gain critical mass
 - Help create an ecosystem where users and suppliers can thrive together



ROBORDER's take on Interoperability



- Actions taken
 - Design an architecture that
 - Builds upon previous work and is in line with other initiatives and projects
 - Can support existing systems from multitude of suppliers
 - Enables the new to co-exist with the legacy
 - Leaves room for growth
 - Define suitable data models
 - Setup well defined interfaces that'll be shared within the community



ROBORDER's take on Interoperability



So what is the balance between interoperability and innovation?





Q&A

roborder_coordination@tekever.com

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