

iMobility Forum. Legal Issues WG



ePrivacy Task Force in WG

Brussels

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Presentation Outline

- Context / eSecurity WG
- Hurdles for Privacy-by-design
- Security Engineering Forum
- Proposal for Privacy Task Force



FP Context

- Work carried out within the following projects
 - SEVECOM
 - CVIS
 - PRECIOSA
 - EVITA

 - OVERSEE
 - PRESERVE

Context

- Changing legal framework
 - Directive 95/46/EC: principles (notice, purpose, consent, security, disclosure, access, and accountability).
 - Directive 2002/58/EC (relates to digital communication)
 - New legislation prepared calling for privacy-by-design
- ITS and privacy
 - Article 29WG opinion on eCall (end 2006)
 - eSecurity WG started in May 2008
 - **3 meetings** with data protection stakeholders
 - Oct 2009. Selection of 4 use cases
 - Dec 2009. Investigating solutions based on privacy-by-design
 - May 2010. Action to define technically privacy-by-design.

Conclusion of 3rd Meeting

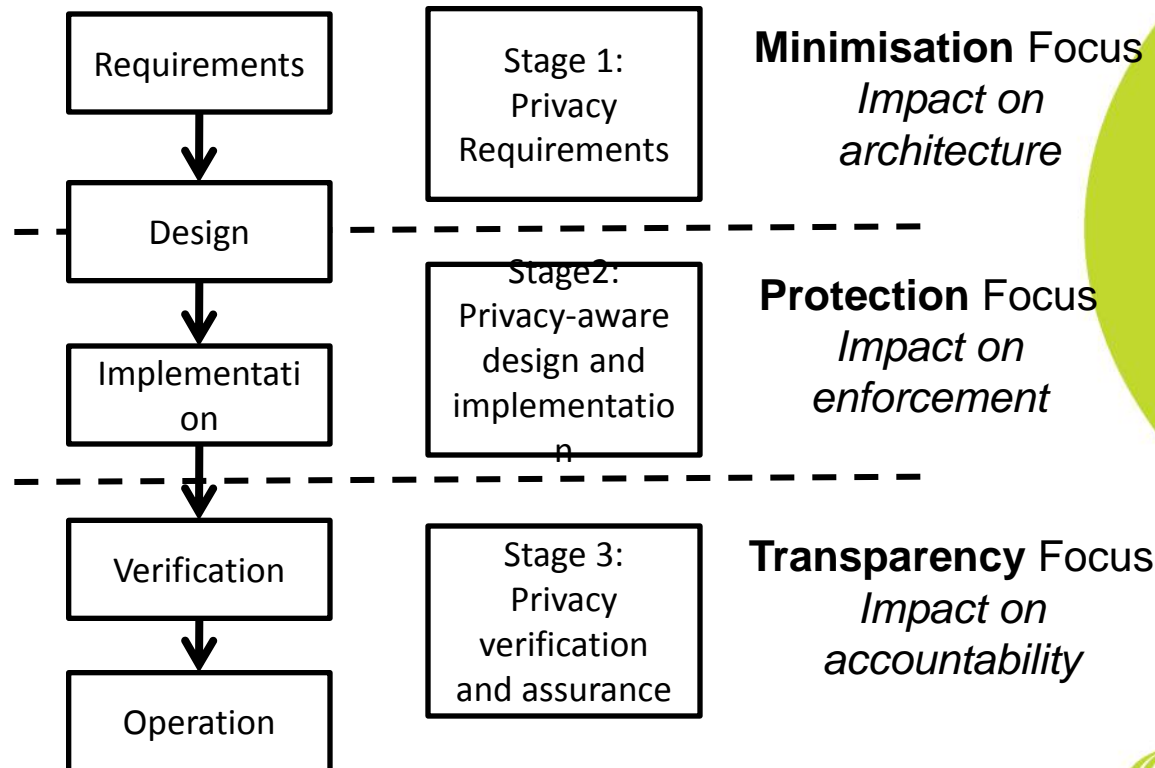
- Objectives of further joint meeting:
 - agreement on a PbD approach for ITS integrating design/technical aspects.
 - understanding on how to apply the Data Protection finality principle to open ended data platforms (e.g. COMO use case)
 - Suggestions/recommendations to build consensus
- A report addressing these objectives will be prepared
 - to be presented in a fourth joint meeting for review
 - before submitting it to the article 29 WG technology TF for an opinion.
- This work has not been done (eSecurity WG closed)

Work Achieved

- Preciosa Deliverable
 - *Guidelines for Privacy Aware Co-operative Applications*
- Workshops and Papers
 - CPDP2010 panel on ITS (Jan 2010, Brussels)
 - CFP2010 workshop (June 2010, San Jose)
 - PRECIOSA workshop (July 20th, 2010, Berlin).
 - CPDP2012 panel on PIA (Jan 2012, Brussels)
 - *Privacy-by-design in ITS Applications*. Antonio Kung, Christoph Freytag, Frank Kargl. 2nd IEEE International Workshop on Data Security and PrivAcy in wireless Networks, June 2011, Lucca
- Recommendation 5 of eSecurity WG report
 - *Discuss further recommendations for privacy by design*

Hurdle 1: Agreeing on Principles

- Principles are being proposed
- Consensus is needed. Example



Hurdle 2: Integration into Main Process

- PET are designed by experts
- Applications are designed by domain specific experts (telematics systems...)
- Adapting PETs to a given application sector is not trivial
 - Smart meter metrology compliant process
 - Automotive SIL process
- Example of approach: reusable components based on model-driven engineering
 - TERESA project (www.teresa-project.org)

Hurdle 3: Impact on Standardisation

- PbD impacts on architecture
- PbD impacts on communication needs
- PbD impacts on interoperability needs
- PbD impacts on standardisation
- Solutions change all the time

Hurdle 4: Impact of Ecosystem

- Platform vs Applications
- PbD platform vs PbD application?
- Interoperability issue?
- Impact on PbD process



Hurdle 5: Lack of Engineering Curriculum

- Situation today is appalling
 - Privacy by design impacts the whole design process
 - 99% of today engineers have no clue about PbD
 - 99% of computer science students will have followed software engineering courses without any exposure to PdD in the next years!!
- Changing the curriculum is needed

Engineering Community

- Creation of an Engineering Forum
 - Driving projects
 - SecFuture
 - Teresa
 - Nessos
 - Kickoff
 - Feb 2nd 2012
 - Malaga

The Vision of a European Security Engineering Forum

Session at S&D4RCES, September 2011, Naples

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- www.securityengineeringforum.eu (to open on Feb 2nd)

Proposal for Privacy Task Force

- Need for concertation for location oriented privacy
- Task force on privacy proposed
 - Involvement of ITS applications stakeholders, ITS platform stakeholders, data protection stakeholders
 - Antonio Kung willing to coordinate that task force
- Liaison with security Engineering Forum
 - Large scope (cloud computing, smart grids, ambient systems)
 - Antonio Kung will also lead work related to privacy-by-design

Thank you

Antonio Kung

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