



SOA

eSafety working group

Kick – off meeting

5.7.2007



Working group SOA

Agenda :

10:00

- Welcome & Agenda presentation
- Short partner introduction (please prepare your profile / interest / expectations)

-11:00

- Presentation of draft workplan and desired outcome
(Based on partner contributions & co-ordinator input)

-12:30

- Lunch

13:30

- Round table: refinement & discussion
- Proposal for Co-Chair role

15:00

- Next steps, further planning:
 - actions
 - dates
 - responsibilities

-AOB

16:00 End of meeting



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Partner introduction :

- What is your business interest ?
- Where do you see the main usage of SOA principles in eSafety?
- What do you expect from this WG (expected outcome)
- Are you already using SOA (where) ?
- Future plans with respect to SOA?



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Partner introduction : T-Systems

- Consulting SOA solutions
- Act as integrator
- Service Operator
- Strong Automotive / telematics unit
- Special units:
T-Systems Traffic, Media Broadcast, Toll Collect, . . .
- Project references: GST, RCI, Connected, Car2.0, . . .



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Principles (to be discussed) :

- We are not a „technical“ workgroup
- WG is S/W solution independent
- We focus on
 - „What is relevant from a users perspective“
 - „Content (Scenarios, Processes, Data)“
 - a set of interfaces for eSafety that support the eSafety core applications
- No implementation work
- Analysis and modelling are main work aspects



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Draft work program (proposal) I

- WG lifetime is ~ 2years
- 2 workshops planned
- One final paper as work summary with recommendations to the eSafety group & EC
- Address future challenges for eSafety
- Sync with relevant other WGs / projects



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Draft work program (proposal) II

- SOA: What is the common view of the WG (definition)
- Identify SOA activity fields for Stakeholders
- Draft scenarios (eSafety use cases & derived requirements)
- Analysis of business aspects (core services identification)
- eSafety “specialities”
- 1st Public Workshop (collect information, opinions, . . .)
- Formulate recommendations
- 2nd (final) public workshop: Presentation of Draft report
- Final report (proposed title):
“Importance of SOA for future eSafety processes”



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Draft TOC:

- SOA: What is the common view of the WG (definition)
- Story on user life with eSafety. Vision (derived from eSafety and
- List UCs from GST and others
- eSafety “specialities”
- Domain model
- Identify SOA activity fields for Stakeholders
- Draft scenarios (eSafety use cases & derived requirements)
- Analysis of business aspects and domain model (core services and services category identification)
- Introduce service categories like official s., s. for nomadic devices, security services, . . .or based on “information services”, Support services, security s.,
- Recommendations
- References, Links, . .
- “Importance of SOA for future eSafety processes”



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SOA in eSafety: Expectations

- New approach for standards
- Time to market for services / applications
- Seamless integration with existing approaches (e.g. GST (OSGI) framework)
- Reduced effort for services generation
- Common quality level assurance
- Standardised business and service interfaces
- Address future challenges
- Interoperability
- Enhanced Security (by integration in System and access via standardised interfaces)
by SOA approach, security can be integrated in the architecture, thus bringing security to a new level.
- Privacy and legal issues may be better addressed.



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SOA in eSafety: Environment

- Push towards collaborative services
- Mandatory applications on tolling platforms as trigger (transport of life stock, dangerous goods, eCall)
- Security and reliability needs
- Services will be “orchestered” by strongly heterogeneous partners
- Distributed application provisioning
- Service management framework required (OSGI ...)



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SOA Design questions (I) :

- Supportive for business processes of one company or collaborative issues
- Joint applications building?
- Eases “insert” of functional modules of 3rd parties to generate new applications ?
- Use existing business framework for authentication, billing, charging, CRM and so on ?
- Legacy systems integration ?



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SOA Design questions (II) :

- Only for Business processes ?
- Standards for collaborative applications ?
- Re-use of business components ?
- Web 2.0 applications on mobile devices – others ?
- Non permanent com link – problem ?
- Service chain – where to cut ?
- Open for different implementation tools / languages ?



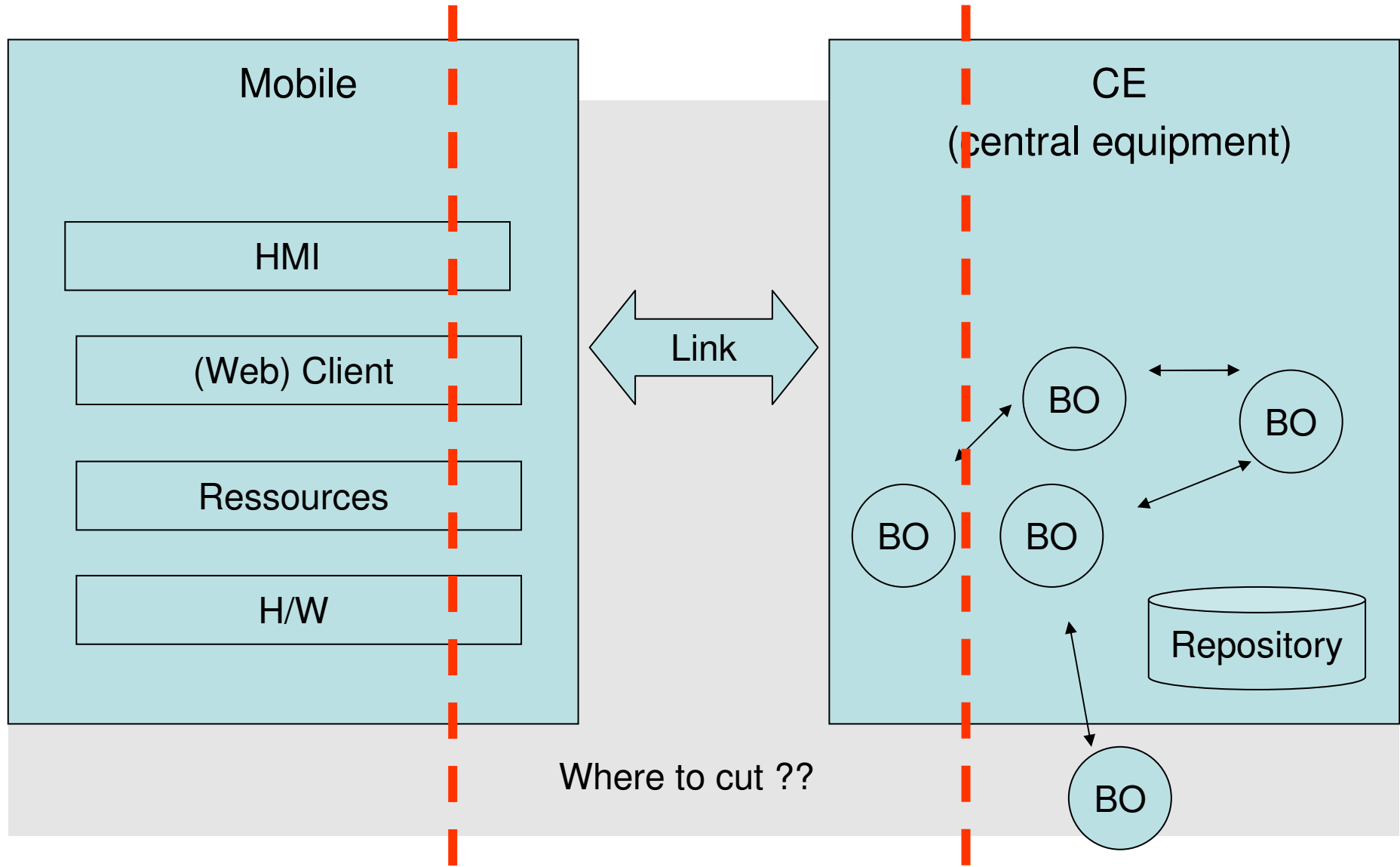
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SOA Design questions (III) :

- New architecture or new elements ?
- Keywords: Governance, Repositories, Broker, . .
- Technology compatibility:
 - Java
 - Soap
 - Web (2.0)
 - XML
 - UML
 - OSGI (?)
 - . . .
 - XDPL
 - BPEL
 - BPMN
 - . . .
- Modelling standards ?
- Tool sets ?



T- Systems SOA solutions





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Co-Chair role:

- **ask for volunteers**
- **rate**
- **decide**

- **Criteria:**
- **Amount of planned WG involvement**
- **Company profile**
- **Relevance in theme field SOA**

- **Automotive company would be nice according to eSafety Steering board (but not mandatory)**



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Next steps:

Done: Advertise for WG SOA

Done: Ask partner to join

--> start to form a common vision

- Agree on schedule and outcome

- Start real work



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In the end . . .

- we see eSafety as one “virtual service company”
- with a core set of well designed services
- and business connectors
- that allow different partners to easily join, contribute and benefit



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Next dates:

Link meeting with eSafety initiative to optimize travel effort

Plenary for eSafety in September 18th @ Versailles

; link with SOA (10:00 – 14:00)

Deployment workshop:

Wednesday 14th of November (meeting before or after)

1st public workshop: 2/2008

(Forum and breakout sessions)

2nd public workshop: 8/2008

(Forum and breakout sessions)

Final paper ready by: 10/2008



Working group **SOA**

Actions :

Erwin: to send mail list from GST-Forum & use cases overview

Klaus Schild: to send template on service description

V.V: Check with eSafety events during eSafety Meeting

V.V.: prepare first version of TOC for Word summary

V.V.: address OEMs for actively joining the WG

V.V. contact Konrad Rossrucker (BMW S/W Dev.); ask for joining

V.V. send protocol

All: decide on support platform (eSafety support or BSCW?)

All: Review doc and contribute

V.V: validate partner "interest level"

All: check OASIS Website for acceptance of SOA definition



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SOA definition (proposal from Dr.Schild) :

"SOA is a software architecture that starts with an interface definition and builds the entire application topology as a topology of interfaces, interface implementations and interface calls. SOA would be better-named "interface-oriented architecture." SOA is a relationship of services and service consumers, both software modules large enough to represent a complete business function. Services are software modules that are accessed by name via an interface, typically in a request-reply mode. Service consumers are software that embeds a service interface proxy (the client representation of the interface)."



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Questions ?

Suggestions ?

Comments ?

Thank You for Your attention !