TRAMP

Mission Statement for Teams

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Goals of the Presentation

- v Mission Statements for the teams:
 - § Service teams:
 - ¥ How to assist the development teams
 - S Development teams
 - ¥ Which SS-Services have to be delivered to realize the scenario?
 - ¥ Interaction with other subsystems
- ∨ Call for information



Global Software Engineering

Service Team (1)

- § Services:
 - ¥ Analyze and improve:
 - ¥ Infrastructure for communication
 - ¥ Development processes
 - ¥ Implement a system for distributed formal reviews
- S Call for Information:
 - ¥ Problems / feature requests concerning the infrastructure of the BBoard



Testing

Service Team (2)

- § Services:
 - ¥ Find proper tools for testing
 - ¥ Support other teams by installation and learning of the testing tools
- S Call for Information:
 - ¥ Programming languages used by each team
 - ¥ What should be concretely tested



Wearable

Service Team (3)

§ Services:

- ¥ Provide the underlying platform for the actual application
- ¥ Consult other teams on software available for LINUX on StrongARM
- ¥ Establish a Òuild environmentÓon the provided platform



Application

Development Team (1)

- § Services:
 - ¥ Authoring of UIs for mobile maintenance applications(IETMs)
 - ¥ Configuration with XML documents of all system components
 - ¥ Design the final scenario
- S Interaction with other subsystems:
 - ¥ With all other subsystems
 - Ø Application is the glue between modules



User Interface

Development Team (2)

- § Services:
 - ¥ Multi-modal User Interaction: Input / output Channels
 - ¥ Display of IETMS
 - ¥ Interface to expert system and to Trackers
 - ¥ Support navigation
- S Interaction with other subsystems:
 - ¥ Get the user position data from the Context team for navigation
 - ¥ Fed with taskflows (IETMS and DWARF taskflows) from the Session subsystems



Context

Development Team (3)

- § Services:
 - ¥ Information about user © current position
 - ¥ Tracking of optical markers (e.g. open fuse box)
 - ¥ Route planning (navigation system)
- S Interaction with other subsystems:
 - ¥ Send position data to:
 - UI: navigation
 - Session: trigger transition in taskflows



Session Management

Development Team (4)

- § Services:
 - ¥ Store taskflow in a DB
 - ¥ Deliver the appropriate taskflows (right time, right content)
 - ¥ Synchronize taskflows of different users
 - ¥ Two kinds of taskflows:
 - IETMs: detailed taskflows for repairing
 - DWARF TFE (=TaskflowEngine): the big taskflow that contains IETM descriptions
- S Interaction with other subsystems:
 - ¥ With UI and Context teams



Network

Development Team (5)

- § Services:
 - ¥ Provide wireless network technologies (e.g. UMTS, GSM, WaveLANÉ)
 - ¥ Data communication
 - ¥ Select middleware to connect all the other modules (plug & play)
- S Interaction with other subsystems:
 - ¥ With all other subsystems



An intro to the scenario play

What subsystem services are needed in each part of the scenario.

