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Technical Specification Group Terminals

TSGT#6(99)263

Meeting #6, Nice, France, 13-15 December 1999

*Technical project
co-ordination and management*



Source: SA2 Chairman, Teuvo JARVELA (Nokia)

Agenda: 9



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Reference model for structuring the work

- S1 defines the features and services required
- S2 defines the architecture for the features and :
 - divides the features into building blocks.
 - forwards the building blocks to the relevant TSGs for the detailed work.
 - Interactively work with TSGs/WGs for common understanding .

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Reference model for structuring the work

- The TSGs and their WGs treat the building block as one or several dedicated Work Tasks (WT)
- Typical, output of a Work Task is new TS(s), CR(s), TR(s)

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*S2's role is to Co-operate with the TSGs /
WGs*

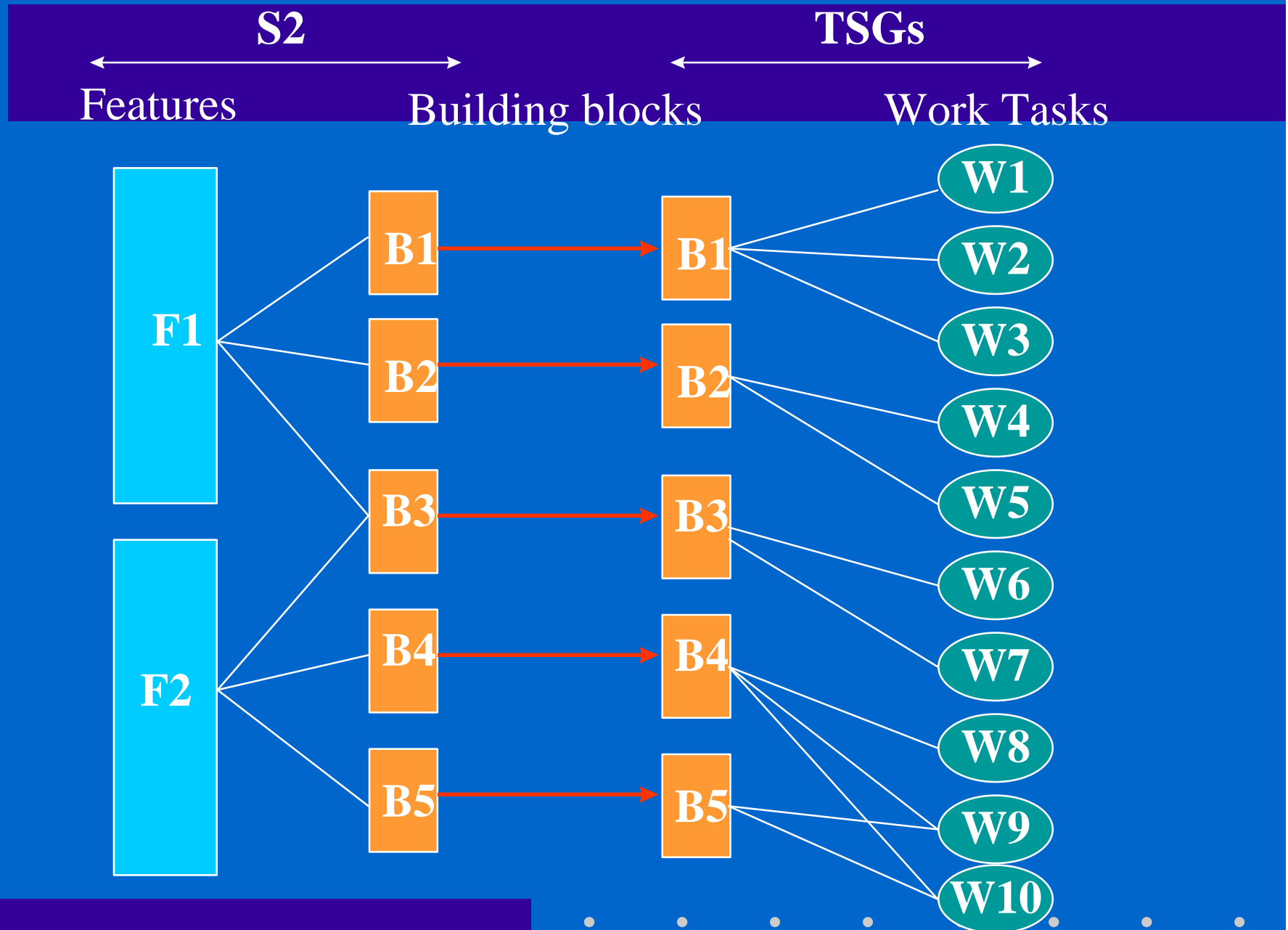
- Identify if synergy can be obtained using some of the building blocks or extended building blocks for more than one feature.
- Verify, that all required work takes place within 3GPP without overlap between groups

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Project scheduling

- S1 sets a target
- S2:
 - performs a first technical review and comment on the target.
 - indicates target for time schedule with allocation of the defined building blocks.
 - Aligns targets with TSG and WG comments
- S1 and S2 involve S3 to ensure security

Structure



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Structure

- Currently the S2 tasks are carried out by the six S2 Inter-Group Co-ordination (IGC) sub groups.

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Example

- **Feature: C**
- **“Continuity of service offering while crossing cell borders in a GSM MAP System”**

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Building Blocks

- **C1:** UMTS Radio handover (RAN).
- **C2:** GSM to UMTS Radio handover (SMG2).
- **C3:** UMTS to GSM Radio handover (RAN).
- **C4:** UTRA to MC Handovers (not detailed in this presentation)
- **C5:** handover in the Core Network (CN).

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Building Blocks

- **C6:** Impact on Application (T)
- **C7:** Testing (T)
- **C8:** Security aspects of Inter-system and Inter PLMN handovers (SA3)
- **C9:** O&M System aspects of Handovers (S5)
- **C10:** Codec aspects (S4)

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Work Tasks (UMTS Radio handover)

- C.1.1: Handover: Physical Layer of UMTS Radio.
- C.1.2: Handover: Signalling over the Uu.
- C.1.3: Handover: Signalling inside the RNS over the Iu and the SRNS relocation.
- C.1.4: O&M Access Network Aspects

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Work Tasks (GSM to UMTS Radio handover)

- C.2.1: Handover: Physical layer requirements for the Uu and Um interface.
- C.2.2: Impact on the signalling over the Um.
- C.2.3: Impact on the A interface.
- C.2.4: O&M Access Network Aspects

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Work Tasks (UMTS to GSM Radio handover)

- C.3.1: Impact on signalling over the Uu interface.
- C.3.2: Impact on signalling over the Iu interface.
- C.3.3: O&M Radio Access Network Aspects

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Work Tasks (handover in the Core Network)

- C.5.1: Impact on transfer of information due to inter MSC handover (This is currently missing in R99!!!).
- C.5.2: Impact on services of inter-system handovers from a signalling perspective
- C.5.3: Impact on service re-negotiation at CC layer in case of re-mapping of services is required.

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Work Tasks (Implication of application)

- C.6.1: Impact of handovers on application such as Multimedia , SMS etc
- C.6.2: Impact of Handovers on codecs based application

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Work Tasks (Test)

- C.7.1: L1 test of handover
- C.7.2: Handover Signalling Tests
- C.7.3: Application Tests

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Work Tasks (Security)

- C.8.1: Impact on Cyphering and integrity
- C.8.2: Security aspect of Inter-PLMN handover

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Work Tasks (O&M aspects)

- C.9.1: O&M for intra PLMN handovers
- C.9.2: O&M aspects for inter PLMN (Radio related parameters to be provided and Accounting aspects)

- C10: To be defined

Structure of example

