SP-99533

Technical project co-ordination and management

MCC

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 .

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)

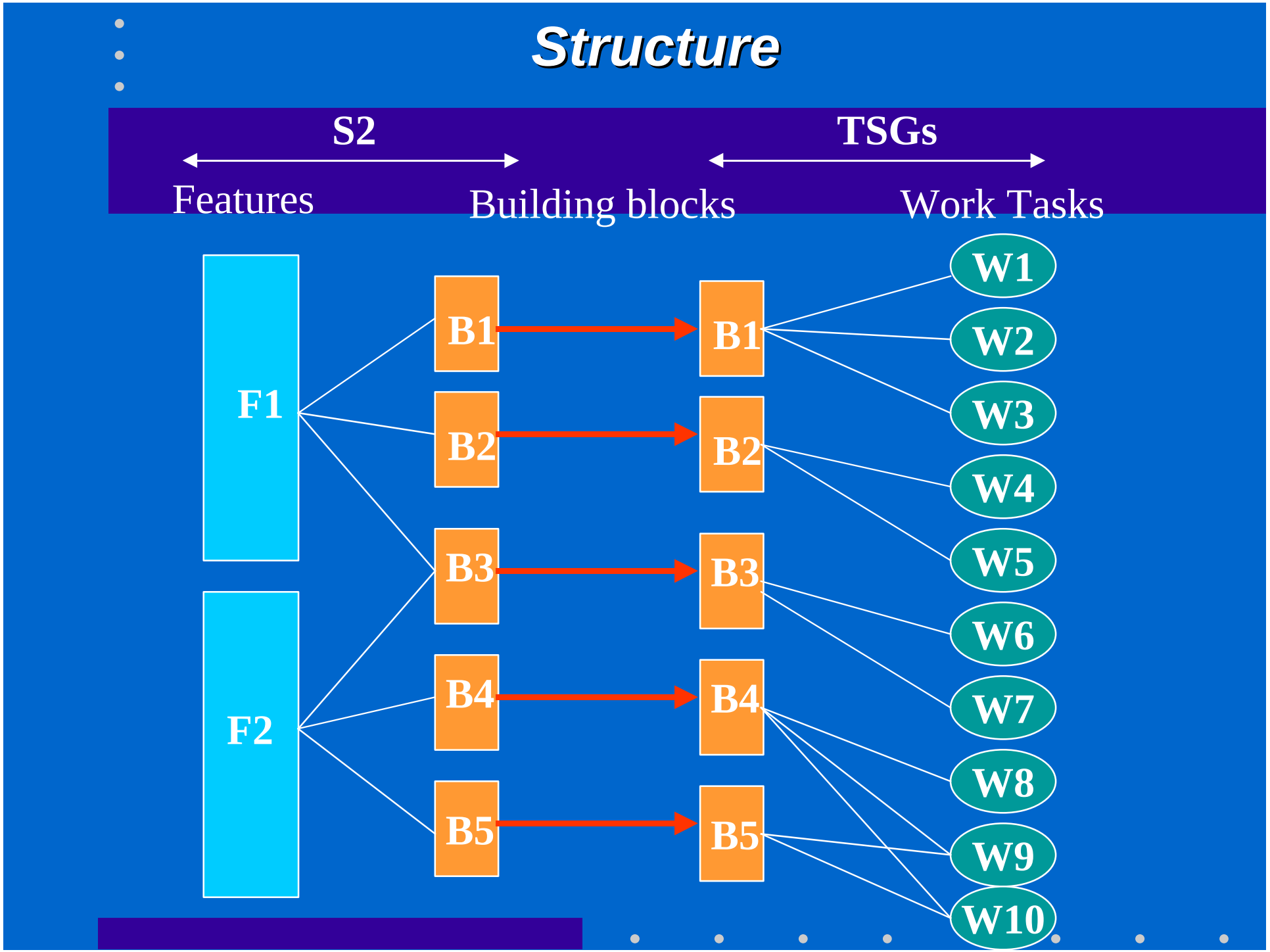
S2's role is to Co-operate with the TSGs / WGs

- 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

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


S2
TSGs
Features
Building blocks
Work Tasks
F1
F2
B1
B2
B3
B4
B5
B1
B2
B3
B4
B5
W1
W2
W3
W4
W5
W6
W7
W8
W9
W10

Structure

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

Example

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

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).

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)

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

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

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

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.

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

Work Tasks (Test)

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

Work Tasks (Security)

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

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