

**Source:** SA2 Chairman, Teuvo JARVELA (Nokia)  
**Title:** Model for the technical management and project co-ordination for 3GPP  
**Agenda:** 9

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The model is thought as a reference model for structuring the work. It is not the intention to rigorously enforce the usage of the model on all ongoing work, but merely to use the model as the common reference model across the TSGs and to structure future work.

TSG SA is through S1 responsible for defining the features and services required in the 3GPP specifications. S1 is responsible of producing the stage 1 descriptions (requirement) for the relevant features and pass them to S2. S1 can also forward their considerations on possible architecture and implementation to S2, but is not responsible for this part of the work.

S2 should then define the architecture for the features and the system, and then divide the features into building blocks based on the architectural decisions made in S2. S2 will then forward the building blocks to the relevant TSGs for the detailed work. These proposals will be reviewed and discussed in an interactive way together with TSGs/WGs, until a common understanding of the required work is reach. During the detailed the work of the TSGs and their working groups, S2 is kept informed about the progress.

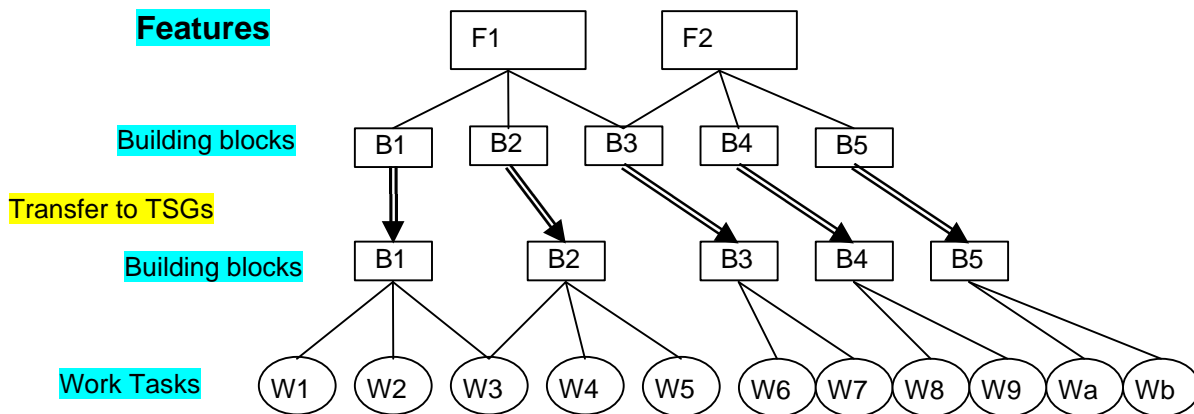
The TSGs and their WGs treats the building block as one or several dedicated Work Tasks (WT). Typical output of a given Work Task would be new specification(s), updated specification(s), technical report(s) or the conclusion that the necessary support already is provided in the existing specifications.

S2's role is in corporation with the TSGs and their WGs to identify if synergy can be obtained by using some of the building blocks or extended building blocks for more than one feature. Part of S2's task is to verify, that all required work for a full system specification of the features relevant will take place within 3GPP without overlap between groups. In order for S2 to be successful, this has to be done in co-operation with other TSGs/WGs.

About the project scheduling, it is proposed the following: S1 sets a target, S2 performs a first technical review and comment on the target. S2 indicates target for time schedule together with allocation of the defined building blocks. The TSGs and their WGs comment back on these targets. S2 tries if necessary to align the new target between the involved parties. S1 and SA is kept informed on the overall schedule.

It is the task of TSG SA, S1 and S2 to ensure early involvement of S3 to ensure that the potential security requirements, service requirements and the architectural requirements are aligned and communicated to the TSGs and their WGs

In order for TSG T and its subgroups to plan and perform its horizontal tasks on conformance testing and mobile station capabilities, S2 should invite TSG T to evaluate the potential impact of a new feature. If work on the horizontal task are required this should be included in the overall work plan.



## Example

### Feature:

C: Continuity of service offering while crossing cell borders.

### 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.
- 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 Task:

- 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
- 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
- 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
- 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.
- C.6.1: Impact of handovers on application such as Multimedia , SMS etc
- C.6.2: Impact of Handovers on codecs based application.
- C.7.1: L1 test of handover
- C.7.2: Handover Signalling Tests
- C.7.3: Application Tests
- C.8.1: Impact on Cyphering and integrity
- C.8.2: Security aspect of Inter-PLMN handover
- 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