

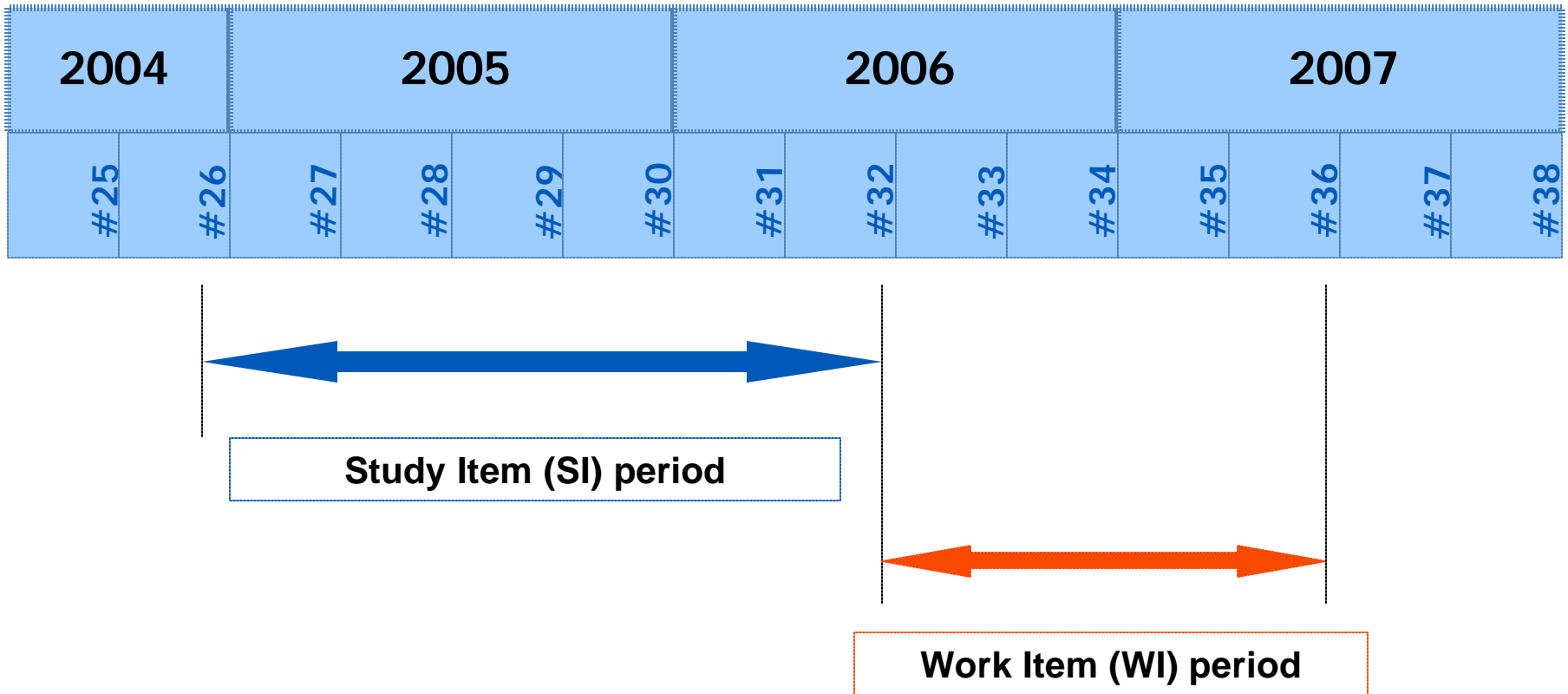
“Proposed 3GPP TSG RAN process for Evolved UTRA & UTRAN”

Agenda Item: 5.3.2 & 8.11.1

Source: Alcatel, Cingular, DoCoMo, Ericsson, Fujitsu, LG, Motorola, NEC, Nokia, Nortel, Orange, Qualcomm, Samsung, Siemens, T-mobile, Telefonica, TeliaSonera and Vodafone

Document for: Approval

Overall schedule for a "3G evolution" SI & WI



Launching the 3GPP Study Item on 3G long-term evolution (3G LTE)

Objectives with a 3GPP Study Item

1. Study Item between RAN #26 to RAN#32
2. Work Item between RAN#32 to RAN#36
 - *Sufficient time for a well defined study developed by experts is important*
3. Experts from all RAN WGs shall be involved in the Study Item
 - *Avoid parallel sessions along with WG Meetings (limited amount of experts...)*
4. The establishment of the Study Item shall not damage the current work in RAN WGs,
 - *Low impact on corrective work for Rel6 features and relevant Rel7 features*
5. The work with the study item shall bear a low political profile
 - *3GPP is NOT doing any new or different from the normal evolution work*
6. Organize the work to minimize additional traveling for WG experts
 - *Work to be performed mainly at WG level*

Proposed Study Item description development

- Create a Study Item at RAN#26 that includes the **requirements**, and **general split of the work** between the WGs
 - *RAN1 to study physical layer issues*
 - *RAN2 to study radio interface layer 2 and layer 3 issues*
 - *RAN3 to study UTRAN internal interface issues as well as the CN interface issues*
 - *RAN4 to study RF issues*
- If the study Item description is NOT agreed at RAN#26, the TSG RAN should have an activity to develop a agreeable Study Item scope & description by RAN#27 => an "Ad-Hoc RAN activity"
 - Elaborating further on the requirements and breaking those down to further clarify the worksplit between the RAN WGs

Schedule for RAN SI description

2004		2005				2006				2007			
#25	#26	#27	#28	#29	#30	#31	#32	#33	#34	#35	#36	#37	#38



RAN#26 to define the SI scope and description



Option if time in RAN#26 is not sufficient to develop SI description

TSG RAN "Ad-Hoc activity" to define the study item description needed for the WGs to start their work

Proposed Study Item activity

RAN WG1, WG2, WG3, and WG4 to "implement" joint meetings on "Coordination of UTRA/UTRAN Evolution; Architecture and System performance issues"

- **Purpose of the joint meetings are to ensure overall system optimization by defining the border interfaces between the RAN WGs specifications**
 - *The study will start with joint WG1-4 meetings to break down requirements and allocate tasks to WGs for more thorough studies. (The individual WGs will start with the study within the WG itself once appropriate work tasks are defined and sufficient meeting time is available.)*
 - *Joint meetings will also follow up results of detail studies to ensure total system optimization.*
- **Joint meetings to be held preferably during the ordinary WG meetings week**
 - *During 1st half of 2005, the joint meetings will be held outside the WG week, preferably before the RAN plenary (same week), in order not to jeopardize the progress of the finalization of Rel6 features*
 - *After RAN#28, joint meetings shall take place during the WG meeting week, preferably in the beginning or the end, trying to avoid parallel session as much as possible*
 - *Extra meetings can be called for when needed if the WGs do not meet more than one time in between RAN plenaries*
- **The joint meeting structure will be terminated at the end of the study item phase**
- **The joint meetings are chaired by the RAN Chair, RAN WG Chair or Vice Chairs**
 - *At least the very first meeting should be chaired by the RAN chairman to start the work*
 - *One chair person should be appointed by each WG - default is the WG Chair*
- **The RAN WG joint meetings will liaise, and have additional joint meetings, with TSG SA & TSG CT and their WGs as appropriate**

Schedule for the "3G long-term evolution" SI

2004		2005				2006				2007			
#25	#26	#27	#28	#29	#30	#31	#32	#33	#34	#35	#36	#37	#38



Study Item (SI) period
Joint WG Study meetings held. In initial stage the Study meetings are held outside of the ordinary WG meeting week.
SI Rapporteur reports Study progress to the RAN Plenary

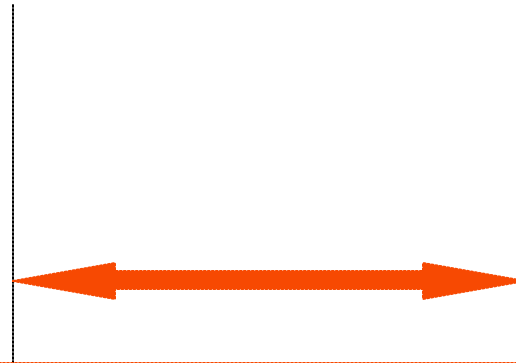
Details of the proposed study item work

- No need to select a single WG as the leading WG
 - *list all RAN WG1, WG2, WG3 and WG4 as leading WGs*
- Apoint a Study Item Rapporteur (an operator) that is responsible to report the progress of the work to the RAN plenary
 - *Rapporteur: Mr Takehiro Nakamura (DoCoMo)*
 - *Vice-Rapporteur: Mr Don Zelmer (Cingular)*
- Study Item Status Report do not need to be approved by all individual WGs, but shall be circulated on the RAN WG reflectors for comments prior to presentation at RAN plenary
 - *Study item Rapporteur is responsible for producing the status report, sending it on the RAN WG reflectors, and presenting the status to RAN plenary*

Work Item activity

Schedule for "3G long-term evolution" WI

2004		2005				2006				2007			
#25	#26	#27	#28	#29	#30	#31	#32	#33	#34	#35	#36	#37	#38



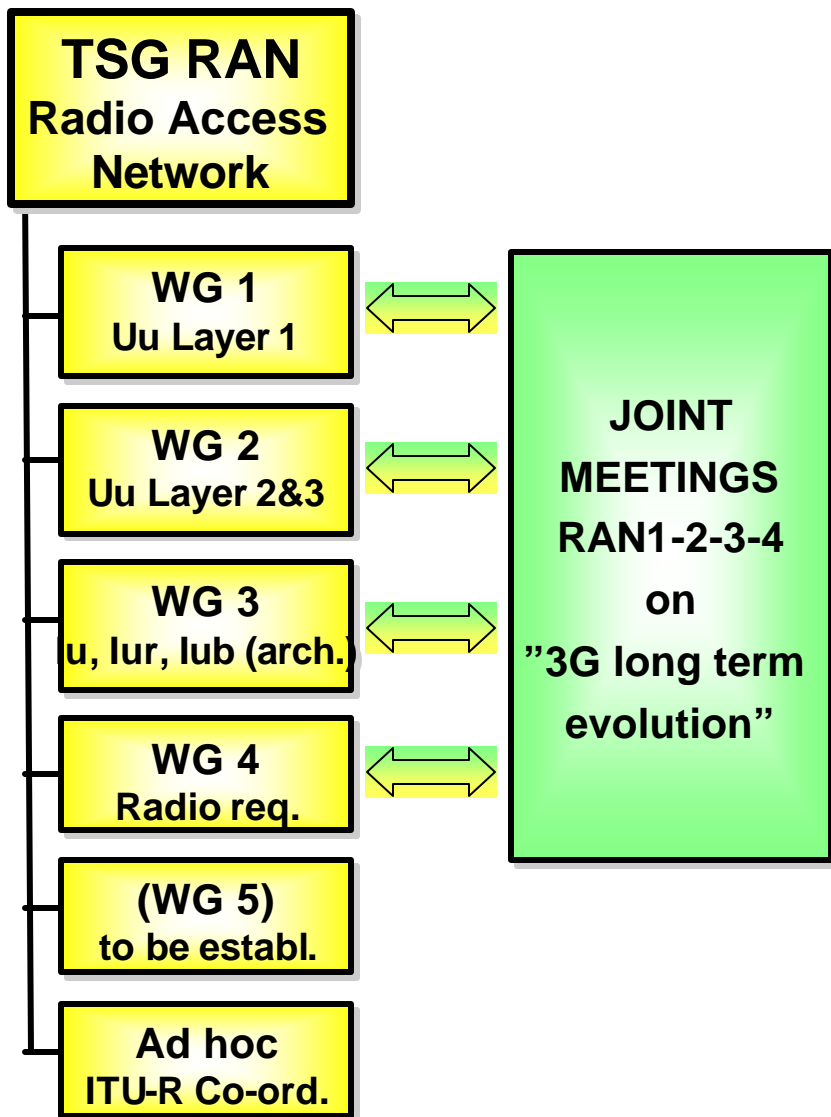
Work Item (WI) period

Detailed work moved to each WG. Each WG responsible to update and/or create new specifications.

Work item activity

- The respective WGs take care of their respective changes in the specifications
- Finalise the specifications in a timely manner
- It is expected that RAN WG4 & WG5 will continue their work after the WG1, WG2, and WG3 have finalised the major part of their work

3GPP process for a "3G evolution" Study Item + Work Item



"Joint RAN1-2-3-4 meetings"

Description

- Start when SI is created
- Close when SI is finalized (target is mid 2006)
- Chairman: WG Chair or Vice-Chair (RAN Chair at initial phase)
- Joint Meeting to primarily meet during RAN WG co-located meetings
 - First period the Ad-Hoc meet outside WG week (preferably before RAN plenary i.e. the same week)
 - Additional meetings when deemed necessary
- SI Rapporteur makes the reporting to RAN plenary, circulates the report on WG reflectors
- Scope: Joint Meetings to ensure consistency between WGs, breaking down overall requirements, defining the inter-WG interfaces and architecture. Liaise as appropriate with other 3GPP WGs and TSGs

END