Status Report for WI to TSG

Work Item Name: IP Transport in UTRAN

SOURCE: Rapporteur (Alcatel)   **TSG:** RAN   **WG: 3**

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Ref. to WI sheet: RAN_Work_Items.doc

Progress Report since the last TSG:

	Milestone	Status and progress
1.	Requirements definition (5)	Completed
2.	QoS Differentiation (6.3, 7.2)	Agreements have been reached. Completed
3.	Transport network bandwidth utilisation (6.4, 7.3)	Completed
4.	User plane transport signalling (6.5, 7.4)	Solutions without ALCAP has been described almost completely (RNL parameters). Selection of solution without ALCAP between IP-based nodes is agreed. Agreements to RNL parameters not yet completed.
5.	Layer 1 and Layer 2 independence (6.6, 7.5)	Completed
6.	Radio Network Signalling Bearer (6.7, 7.6)	Iub: SCTP/IP protocol stack is agreed. Iur: SCCP/M3UA and SUA alternatives, including comparison, are described completely. No decision yet.
7.	Addressing (6.8, 7.7)	Completed
8.	Transport Architecture and routing aspects (6.9, 7.8)	Partly agreed. No progress.
9.	Backward compatibility with R99/ Coexistence with ATM nodes (6.10, 7.9)	The different interoperability scenarios have been identified and agreed. Proposals for signalling protocol between an IP UTRAN node and the TNL-IWU have been identified completely, and almost completely described. Agreement reached on generic QoS parameters in the signalling protocol. No agreement yet on the signalling protocol itself.
10.	Synchronisation (6.11, 7.10)	Agreements have been reached. Completed
11.	Security (6.12, 7.11)	RAN WG3 made a working assumption that the REL5 IP UTRAN is a closed network and that internal security threats are negligible. RAN WG3 is waiting for SA WG3 confirmation for complete agreement.
12.	Iu-cs/Iu-ps harmonisation (6.13, 7.12)	Agreements have been reached. Completed
13.	Iur/Iub user plane protocol stacks (6.2, 7.13)	Agreements have been reached. Completed

14.	Iu-cs/Iu-ps user plane protocol stacks (6.13, 7.14)	Agreements have been reached. Completed
15.	IP version (6.9, 7.15)	Completed
16.	External Standardisation (ref 1, 6.1)	Work in progress.

List of Completed elements:

Requirements definition (5)
QoS Differentiation (6.3, 7.2)
Transport network bandwidth utilisation (6.4, 7.3)
Layer 1 and Layer 2 independence (6.6, 7.5)
Addressing (6.8, 7.7)
Synchronisation (6.11, 7.10)
Iu-cs/Iu-ps harmonisation (6.13, 7.12)
Iur/Iub user plane protocol stacks (6.2, 7.13)
Iu-cs/Iu-ps user plane protocol stacks (6.13, 7.14)
IP version (6.9, 7.15)

List of open issues:

Radio Network Signalling Bearer (6.7, 7.6)	No consensus in RAN WG3 on M3UA or SUA.
Security (6.12, 7.11)	RAN WG3 made a working assumption that the REL5 IP UTRAN is a closed network and that internal security threats are negligible. RAN WG3 is waiting for SA WG3 confirmation for complete agreement.
User plane transport signalling (6.5, 7.4)	No agreement on additional RNL parameters.
Backward compatibility with R99/ Coexistence with ATM nodes (6.10, 7.9)	No agreement on the signalling protocol between an IP UTRAN node and the TNL-IWU.

Estimates of the level of completion (when possible):

All solutions in study area section are now described, except some details on User plane transport signalling and Interoperability with R99 ATM nodes. Most of the agreements have been reached. There is no major technical issue. Therefore, RAN WG3 believes that the IP-Transport Work Item is now completed by 90%.

WI completion date review resulting from the discussion at the working group:

RAN WG3 believes that the IP-Transport Work Item will be completed by March 2002 and ready for the TSG RAN#15 meeting.

References to WG's internal documentation and/or TRs:

TR 25.933 v1.5.0 agreed at TSG RAN WG3#25 (RP-010876)