

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:

Technical Report 25.933

- Radio Network Signalling bearer protocol stack for Iu-cs, Iu-ps and Iur, agreed at TSG-RAN#14 for Release 5, have been added in the agreement section.
- It was agreed at this stage to consider UTRAN as a closed network and that security threats can be considered as negligible. However, in their LS (R3-020017), SA3 informed RAN WG3 of their intention to take the responsibility of standardising the needed transport security if any.
- Regarding backward compatibility with R99/Coexistence with ATM nodes, three scenarios were agreed (Dual-stack capability, Interworking function as logical part of the Rel5 IP UTRAN node, and TNL Interworking Unit between IP UTRAN Node and ATM UTRAN Node). No specific protocol is needed for the first two scenarios. Regarding the last scenario, TNL QoS and bearer generic parameters were agreed, three protocol stacks have been proposed and fully described, but there is no agreement yet on which protocol to be standardised.

Change Requests

All change requests needed for the introduction of IP Transport option in the UTRAN were agreed at RAN3#27 and are submitted to TSG RAN#15 for approval.

List of open issues:

Backward compatibility with R99/Coexistence with ATM nodes: In the case of TNL Interworking Unit between the IP UTRAN Node and the ATM UTRAN Node, three proposals are still under discussion:

1. use of IETF SIP/SDP,
2. specification of a new ITU-T protocol based on Q.2630,
3. light modifications of Q.2630, based on the use of SUT field.

Estimates of the level of completion (when possible):

All solutions in study area section are now fully described. All agreements have been reached except the choice of the protocol stack to be used in TNL Interworking Unit case.

There is no particular technical issue.

Therefore, RAN WG3 believes that the IP-Transport Work Item is now completed by 95%.

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

RAN WG3 believes that the IP-Transport Work Item and the associated CRs to specifications is completed enough to ensure exhaustive implementation and use of the IP-Transport option in UTRAN.

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

TR 25.933 v2.0.0 (R3-020880) agreed at TSG RAN WG3#27