

**To:** 3GPP SA WG2,  
**CC:** CN WG1, 3GPP RAN WG2  
**Source:** 3GPP RAN WG3  
**Title:** Response liaison on Clarification of RAB Sub Flows concept and associated definitions

TSG RAN WG3 thanks SA WG2 for the LS on Clarification of RAB Sub Flowss concept and associated definitions.

RAN WG3 has introduced the concept of RAB sub flows to address the case of a RAB which requires different protection levels within the RAB SDUs being submitted to UTRAN i.e. a RAB requiring Unequal Error Protection.

RAN WG3 would like to confirm that in the current specifications, a RAB subflow differs from the other sub flows of that RAB only by the value of its reliability attribute. Other differences are FFS.

The lu User Plane protocol, being currently worked on by RAN WG3, has a mode of operation for predefined SDU size which uses extensively the concept of RAB subflow. In order to facilitate usage of this mode for RAB not requiring UEP but having predefined SDU size, the RAB subflow definition has been enhanced as underlined below:.

**RAB sub-flows:** A RAB can be realised by UTRAN through one to several sub-flows. These sub-flows correspond to the NAS service data streams that have QoS characteristics that differ in a predefined manner within a RAB e.g. different reliability classes.

From an lu perspective, multimedia is one to several information streams carried over one to several RABs, respectively. Thus multimedia is not seen at lu level and does not map onto RAB sub flow concept.