

Scope of XR enhancements in Rel-19

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Possible Scope for the Enhancements (2/2)

However, the feasibility needs to be justified in SA side first.

- The following scenarios for the support of multi-modality can be considered.
 - All XR devices are connected via NR UE i.e., tethering over NR sidelink/Wi-Fi/USB.
 - The scenario can be supported by Rel-18 XR WI.
 - Each XR device is a standalone UE, and thus directly connected to a gNB.
 - The scenario requires substantial impact in SA side (e.g., considering subscriptions, etc.) and RAN needs to wait for their conclusion before having a WI.
 - Depending on the conclusion from SA side (e.g., UE-assisted or CN-assisted solution), the impact to RAN can be marginal, and whether to have a WI in RAN can be discussed later.

Proposed Objectives

The following objectives, if proceeded after having conclusion from SA side, can be considered for the work item:

- Specify mechanisms to support multi-modal data of XR media [RAN2, RAN3]
 - QoS flow/bearer mapping and handling for multi-modal streams
 - UE assistance information to assist gNB scheduling for coordinated multi-modal streams
 - LCP enhancement for coordinated multi-modal streams
- Study and specify mechanisms to serve a group of co-located UEs engaged in XR services [RAN2]
 - Potential AS layer impact depending on SA2 progress

Thank you!