UE
NG-RAN
UPF
SMF
PCF
App PDU
1. UE evaluates URSP
2. PDU Session Establishment /Modification Request
3. At the time of adding an SDF to a QoS Flow or when a new ULCL/BP is inserted, SMF requests UPF to perform RTT measurement to the AS. This value is also informed to the UE through the PDU Session Establishment Accept/Modification.
4. PDU Session Establishment Accept/Modification Command
As part of PDU Session Establishment Accept /Modification Command UE is provided with { EC indication (SDF), RTT measurement rules (per SDF), RTT between UPF-AS, Traffic Offload Rule)
5. UE detects Non-3GPP connectivity option
6a. EchoRequest
6b. EchoResponse
7. UE computes RTT for 3GPP link
8. UE performs RTT measurements for non-3GPP link
9. UE decides on traffic offload if necessary