UE
NG-RAN
UPF
SMF
PCF
NEF
AF/AS
0. PDU session establishment
1. AF provides QoS requirements for different media streams (e.g. different media type) and encapsulation protocol parameters
2. PCF generate PCC rules according to AF provided information
3. SM Policy Association Establishment/Modification for PCC rules
4. SM determines the QoS rules, QoS profiles and N4 rules and configure to UE,NG-RAN and UPF for QoS flow handling
DL packets from AS
5. AS generates XRM traffic to UE via 5GS
6. UPF performs traffic detection and QoS flow mapping and QoS enforcement
7. NG-RAN performs QoS flow handling and QoS flow mapping to DRB(s)
8. UE receive packets from DRB and deliver to Application Layer