

Quality of Service Option for Proxy Mobile IPv6

draft-liebsch-netext-pmip6-qos-00.txt

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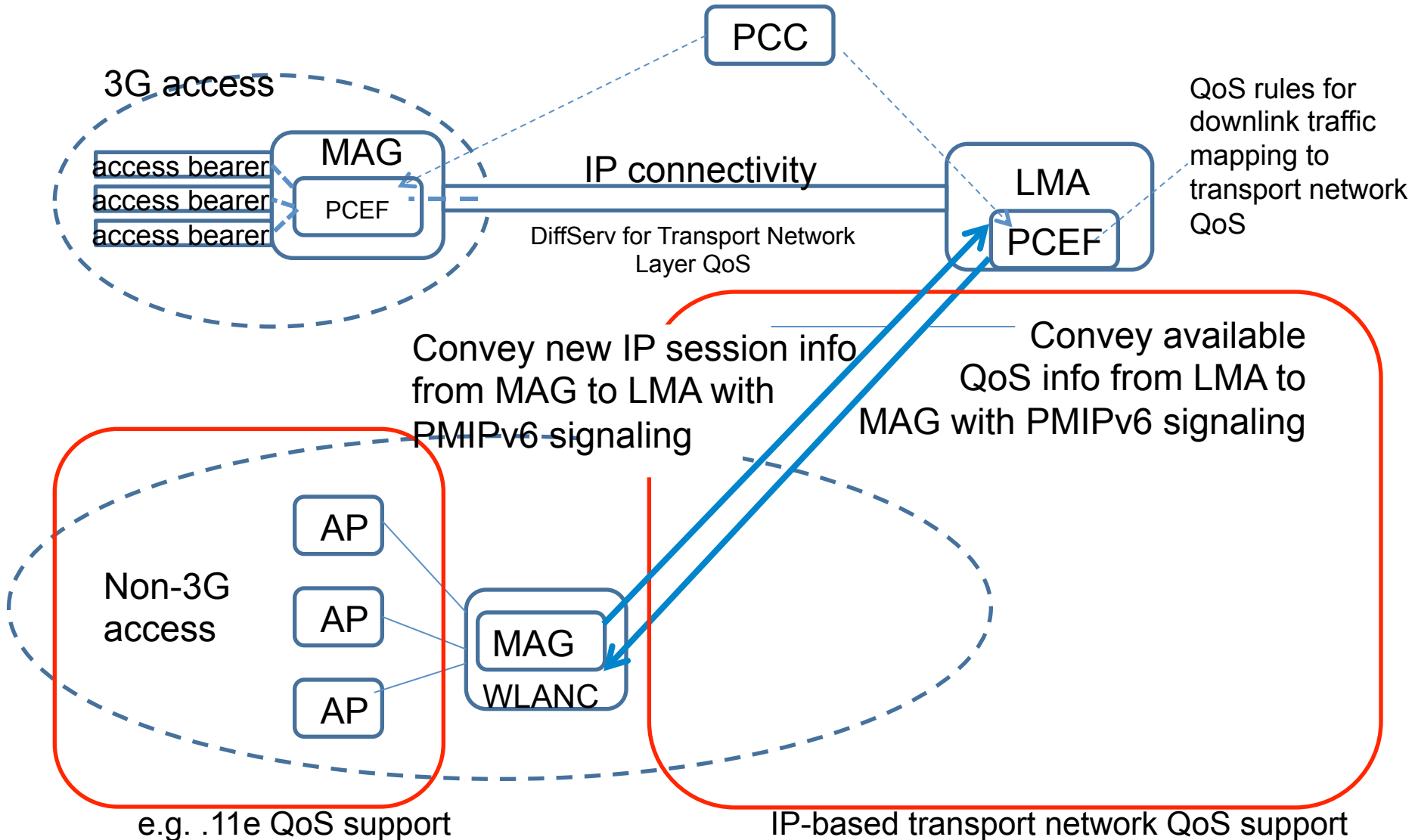
NetExt WG

16th November 2011

Motivation and Scope

- Mobile operator systems establish QoS to serve access through 3G radio access
 - Specific access, utilizes radio bearers with different QoS
- QoS policy control for 3G radio access from Policy and Charging Control (PCC) system
- Connectivity through non-3G access supported for handover (WiFi, WiMax)
- IP network QoS accomplished by DiffServ mechanisms
- No QoS support so far for non-3G radio access
 - 3GPP started interfacing PCC to MAG for non-3G radio access
- Demand for a PCC-independent solution
 - For networks, which do not deploy a PCC system
 - For all networks until PCC support available for non-3G access

Exemplary architecture



Scope of this work

- Support enabling QoS differentiation of traffic between MAG and LMA for any non-3G access
 - Mainly enforcement and validation of uplink QoS at the MAG
- Support mapping of QoS policies between radio-specific QoS classes and IP network
 - Transport of Flow Information and QoS Class indexes
 - Interpretation of QoS Class indexes is deployment specific, hence out of scope
- Focus on the signaling between MAG and LMA
- Handover of available and enforced QoS policy rules
 - Established while MN accesses through 3G radio access
- Establish QoS for sessions which start at non-3G radio access

Is this of interest to the NetExt WG?