Update on "**AAA Framework for Multicasting**"

draft-ietf-mboned-multiaaa-framework-06.txt

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Background

- draft-ietf-mboned-multiaaa-framework v5 --> v6
  - Accounting & Admission Control Framework developed further
  - Reflected ancp-framework draft

- companion draft: draft-ietf-mboned-maccnt-req-05.txt addressed IESG DISCUSS items, cleared WGLC again,
  - Next step: resubmit to IESG for review?

Major Changes for Accounting (4.3)

Additions:

- A NSP records an accounting stop triggered by `any of the following:`

  - `a user requested Leave`
  - `a timeout of a multicast state`
  - `a re-authentication failure.`

- 2 levels of accounting report messaging (ANCP):

  - level 1 includes
    - `channel identifier, a user identifier, and the accounting start and stop time information`

  - level 2 includes
    - `all information of Level 1, plus traffic volume information for volume-base accounting.`

- QoS class info is optionally included for each level
  - NSP's CAC rejects as high class but decide to downgrade to BE.

Major Changes for Accounting (cont.)

Additions:

- level configuration of account report messaging between NSP & CP either

  - pre-configured statically OR dynamically requested by the CP in its response to the Access-Request relayed by the NSP to CP.

  - `ultimate admission decision is made by the NSP based on NSP's AAA function and performance.`

- support very fast channel changes

  - to reduce the number of report messages sent to the CP, the NSP can consolidate multiple sets of accounting information inside single accounting report message. (from draft-ietf-ancp-framework-05.txt)

Major Changes for Admission Control (4.5)

- Added:
  - QoS class downgrade framework:
    - based on an agreement among NSP, CP and a user.
    - "A user may indicate in the Request willingness to accept QoS class downgrade to best-effort streaming."
    - ultimate admission decision is made by the NSP based on required traffic parameters of the requested, and available resources.

Major Changes for Admission Control (Cont.)

- detailed description of downgrade framework:
  - In case that it cannot offer a guaranteed QoS (high class) stream, NSP may stream as best-effort traffic.
  - user may indicate in Access Request whether will accept best-effort grade streaming
  - CP's preference for accepting best-effort streaming may be either configured statically or can be dynamically requested
  - NSP should not stream best-effort traffic if either the user or CP has indicated against best-effort provision.
  - optional.

Other Changes

- Term changes:
  - RACS (Resource and Admission Control System) --> MACF (Multicast Admission Control Function)
  - AAA-caching--> AAA-proxying: a RADEXT comment

- Section title change:
  - 4.1 "Framework for Multicast AAA" --> "AAA Framework in Multicast-Enabled Environments: a RADEXT comment.

- Added reference:
  - "Framework and Requirements for an Access Node Control Mechanism in Broadband Multi-Service Networks" (draft-ietf-ancp-framework-05)

Going Forward

- Reflecting comments from Diameter WG
- Awaiting any comments from ANCP WG
- Any comments from Mboned?
- After reflecting comments to -07, WGLC ?