Requirement for the addition of Auditing Functionality to Diameter

Update
draft-bodin-dime-auditing-reqs-01.txt

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changes

• Added 2 authors
  – Extensive review

• Added text
  – Uses ETSI definition of Hard and Soft state
  – Section on replication requirements
  – Section of soft state reservations
ETSI definitions

- Hard-state reservation: type of reservation whereby the requested resources are reserved without time limit.
- Soft-state reservation: type of reservation whereby the requested resources are reserved for a finite amount of time.
- Both are terminated when the DIAMETER session is terminated.
replication

• Warm standby: to facilitate instantiation of fresh server platform using replicated data.

• Hot Standby: replicate session data in real-time to a parallel server platform, which immediately can take over the primary server's tasks in case it fails or becomes unavailable

• Cold standby: no session data is replicated

• Callback useful in both hard and soft state reservations
  – Hard state: when a client has not been heard from in a long time
  – Soft state: when refresh timer has expired
soft state reservations

- Auditing useful at failover to speed up time required to get to sync
- In cold standby allows a backup client to re-establish at least part of the original session data
question

Does WG accept this as a work item?