

# DIAMETER ERP

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**draft-ietf-dime-erp-03**

# Summary of IETF76 (Hiroshima)



- What was decided / clarified then:
  - ▣ Diameter ERP is independent of any mobility application.
  - ▣ Local handovers are not visible from the home domain.
  - ▣ Fresh authorization (only) must be fetched from home domain upon expiry.
  
- Also, draft-ietf-dime-local-keytran adopted in WG

# Changes from version -02



- Document updated:
  - Use of the Key-AVP instead of ERP-RK-Answer
    - Any comment?
  - Mostly editorial

# About HOKEY architecture



- A document describing ERP architecture is progressing in parallel.
  - ▣ draft-hoeper-hokey-arch-design
  - ▣ It clarifies (should) the interfaces between ER components and AAA components (highly needed!) and message flows.
  - ▣ Hoping to get it adopted as HOKEY WG item...

# Remaining work



- For Authentication, Diameter ERP is waiting for HOKEY architecture input.
  
- For Authorization, we must specify :
  - ▣ What needs to be done upon **handover**?
    - i.e. Does Diameter ERP component provide Authorization AVPs to the NAS (and how to get them) or is it the Diameter EAP proxy?
  - ▣ What happens upon **authorization expiry**?
    - Fresh authorization can only be provided by home server.

# Remaining work, cont.

- For Accounting, we need to correlate messages after a handover (new Session-Id).
  - ▣ We can probably re-use Acct-Multi-Session-Id AVP (RFC3588) for this purpose.
  - ▣ Note that the NAI contains the local domain with ERP... Accounting messages sent where ?
- We must also study:
  - ▣ Based on IETF76 output, Local handovers are not visible from the home domain, so:
    - How to handle server-initiated messages after a handover ?
    - Handling of STR from the “old” NAS when the peer moves (handover)?



Thank you!