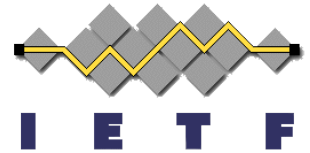# Dime WG Status Update

IETF#80, 1-April-2011

Agenda overview

- Agenda bashing
- WG status update
  - Active drafts
  - Recently expired
  - IESG processing
  - Current milestones status
- WG draft presentations
- Individual draft presentations
- AOB

Active drafts

- draft-ietf-dime-erp
- draft-ietf-dime-ikev2-psk-diameter
  - ~~WGLC done, Proto Write-up pending~~Done
- draft-ietf-dime-local-keytran
  - ~~Proto Write-up pending~~Done
- draft-ietf-dime-pmip6-lr
- draft-ietf-dime-priority-avps
  - ~~Proto Write-up pending~~Done
- draft-ietf-dime-rfc3588bis
  - Update needed
- draft-ietf-dime-rfc4005bis
  - Update needed to address the single WGLC review comments

Recently expired

- draft-ietf-dime-app-design-guide
- draft-ietf-dime-realm-based-redirect

IESG processing

- draft-ietf-dime-capablities-update
  - IESG Evaluation; Revised ID Needed
- draft-ietf-dime-diameter-base-protocol-mib &
- draft-ietf-dime-diameter-cc-appl-mib
  - AD Evaluation; Revised ID Needed
  - New editor(s) needed?! If no progress we drop the I-D.
- draft-ietf-dime-extended-naptr &
- draft-ietf-dime-ikev2-psk-diameter &
- draft-ietf-dime-local-keytran &
- draft-ietf-dime-priority-avps
  - Publications Requested
- draft-ietf-dime-nat-control
  - Waiting for AD Go-Ahead; Revised ID Needed

Current milestones

- ☑ Aug 2010 - Submit Revision of 'Diameter Base Protocol' to the IESG for consideration as a Proposed Standard -> update needed after LC comments..
- ✖ ☑ Aug 2010 - Submit 'Diameter Attribute-Value Pairs for Cryptographic Key Transport' to the IESG for consideration as a Proposed Standard -> WGLC to be started
- ✖ ☑ Aug 2010 - Submit 'Diameter Priority Attribute Value Pairs' to the IESG for consideration as a Proposed Standard -> proto write-up pending
- ☑ Aug 2010 - Submit Revision of 'Diameter Network Access Server Application - RFC 4005bis' as DIME working group item
- ✖ Sep 2010 - Submit 'Diameter Application Design Guidelines' to the IESG for consideration as a BCP document -> waiting for update/restructuring
- ☑ Sep 2010 - Submit 'Diameter NAT Control Application' to the IESG for consideration as a Proposed Standard
- ✖ Sep 2010 - Submit 'Realm-Based Redirection In Diameter' to the IESG for consideration as a Proposed Standard -> waiting for authors to response to WGLC comments
- ✖ ☑ Sep 2010 - Submit 'Diameter IKEv2 PSK' to the IESG for consideration as a Proposed Standard -> proto write-up pending
- ☑ Oct 2010 - Submit 'Diameter Extended NAPTR' to the IESG for consideration as a Proposed Standard
- ✖ Nov 2010 - Submit 'Diameter Support for Proxy Mobile IPv6 Localized Routing' to the IESG for consideration as a Proposed Standard
- Jul 2011 - Submit 'Diameter Support for EAP Re-authentication Protocol' to the IESG for consideration as a Proposed Standard
- Sep 2011 - Submit Revision of 'Diameter Network Access Server Application - RFC 4005bis' to the IESG for consideration as a Proposed Standard

RFC3588bis update

- Since IETF#79:
  - New DTLS text
  - SCTP "guidelines"

- Still few sticking points.. agree on those now and get the document into IESG!

Open "issues"

- AVP flags: Should new application be able to define new AVP flags?
  - Some hums for allowing applications to define new flags.
  - No strong <u>must not</u>; proposed "The 'r' (reserved) bits are unused and MUST be set to 0 by the sender and ignored by the receiver" if the WG decides to prohibit applications to define new AVP flag bits.
  - Another proposal to let it be as it is now in RFC3588..

- AVP flags: Grouped type AVP flag?
  - No reason to define it in RFC3588bis. However, if applications are free to define new AVP bits, then some application can have its 'G' bit if it so desired.
  - Proposal to say nothing.. New applications can define one if needed.

Open "issues" cont'd

- IANA section: Result-Codes
  - Currently 3588bis "redefines" some 3588 Result-Codes.
  - proposal to revert back to 3588 Result-Codes.
  - What about DIAMETER_INVALID_AVP_BIT_COMBO (5016 in rfc3588) vs. DIAMETER_INVALID_AVP_BITS (3009 in rfc3588) ? The former is not currently part of rfc3588bis..

New "old issues"..

- draft-pascual-dime-sctp-00 was used to introduce the new STCP guideline text. Original guidance was:
  - "Payload Protocol Identifier in SCTP DATA chunks   transporting DTLS-based Diameter messages MUST be set to zero."
  - However, for protocol analyzer and debugging a specific PPID would make life easier (as noted in the same draft).
  - What the WG thinks?! Reserve a non-zero PPID?