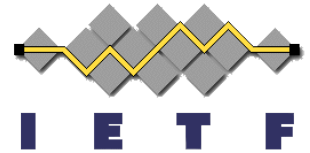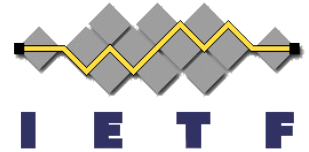# RADEXT WG IETF 83

Agenda

March 30, 2012

0900-1100

Please join the Jabber room:
radext@jabber.ietf.org

Note Well

- Any submission to the IETF intended by the Contributor for publication as all or part of an IETF Internet-Draft or RFC and any statement made within the context of an IETF activity is considered an "IETF Contribution". Such statements include oral statements in IETF sessions, as well as written and electronic communications made at any time or place, which are addressed to:
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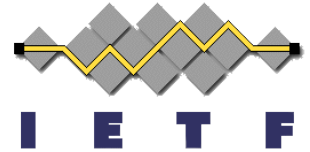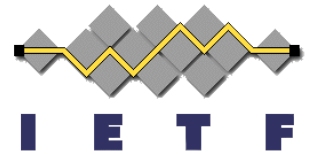
- When starting a presentation you MUST say if:
  - There is IPR associated with your draft
  - The restrictions listed in section 5 of RFC 3978/4748 apply to your draft
- When asking questions or commenting on a draft:
  - You MUST disclose any IPR you know of relating to the technology under discussion
- References
  - RFC 5378 and RFC 3979 (updated by RFC 4879)
  - "Note well" text
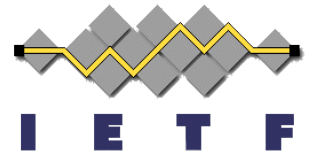
Agenda (1 of 2)

- 9:00 – 09:10 AM, Preliminaries (10 minutes)
  - Note Well, Note Takers, Jabber scribe
  - Agenda bash
  - Document Status
- Draft discussion (75 minutes)
  - 9:10 – 9:25 AM RADIUS Attributes for IPv6 Access Networks, Wojcieh Dec (15 minutes)
    - http://tools.ietf.org/html/draft-ietf-radext-ipv6-access
  - 9:25 – 9:40 AM RADIUS Accounting Extensions of Traffic Statistics, Leaf Yeh (15 minutes)
    - http://tools.ietf.org/id/draft-yeh-radext-ext-traffic-statistics
  - 9:40 – 9:55 AM RADIUS Attributes for IEEE 802 Networks, Bernard Aboba (15 minutes)
    - http://tools.ietf.org/id/draft-aboba-radext-wlan

Agenda (2 of 2)

- Draft discussions (cont.)
  - 9:55 – 10:10 AM RADIUS Protocol Extensions, Alan DeKok (15 minutes)
    - http://tools.ietf.org/html/draft-ietf-radext-radius-extensions
  - 10:10 – 10:25 AM Support of fragmentation of RADIUS packets (15 minutes), Alejandro Perez
    - http://tools.ietf.org/html/draft-perez-radext-radius-fragmentation

- Discussion and Wrap-up (35 minutes)
  - 10:25 – 10:50 AM Rechartering/Milestones (25 minutes)
  - 10:50 – 11:00 AM Next Steps: WG Chairs & ADs (10 minutes)

Current WG Goals/ Milestones
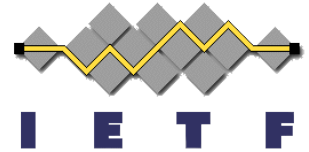
Goal/Milestone	Date	Progress	Action/Update
Design guidelines		✓	RFC6158
Management Authorization		✓	RFC5607
Status Server		✓	RFC 5997
Crypto Agility		✓	RFC 6421
TCP/TLS		✓	Entered RFC editors queue
IPv6 access I-D	Dec-2010	🟡	Attribute format questions
Extended attributes	Jun-2011	🟢	Issue -05 and send to IESG
UDP/DTLS	Mar-2011	🔴	UDP/DTLS expired
IEEE 802 attributes	Oct-2011	🟢	WG item adopted
Dynamic Discovery	Oct-2011	🟡	Align draft to RFC 608
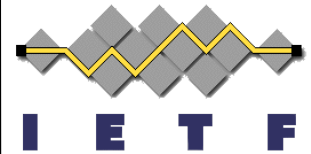
RADEXT Status (1 of 2)

| Document	Editor	Status	Next Step(s)
RFC Published			
None since IETF82			
In RFC Editor Queue			
RADIUS over TCP (draft-ietf-radext-tcp-transport-09)	A. DeKok	•IETF 81: Normative reference to RADSEC, pending its completion	•Complete RADSEC draft
TLS encryption for RADIUS (draft-ietf-radext-radsec-12)	S. Winter	•2012-02-19: Version -12 published •2012-03-12: IESG folks happy	• RFC published
In IETF Last Call			
None since IETF 82			
WG Consensus: Waiting for Writeup			
None since IETF 82			
In WG Last Call			
RADIUS attributes for IPv6 access (draft-ietf-radext-ipv6-access-06)	W. Dec	•WG bit schizophrenic: WG approved Route-IPv6-Information, but conflict w/ RFC6158	•Emerging consensus to revert to -04 draft •Discuss at IETF83
RADIUS Protocol Extensions (draft-ietf-radext-radius-extensions-04)	A. DeKok	•WGLC 2012-09 •New rev -04 published 2012-01-02 •Minor NITs identified prior to IETF 83	•Issue -05 and wrrite up
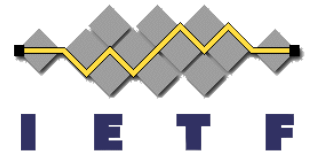
RADEXT Status (2 of 2)

Document	Editor	Status	Next Step(s)
In progress WG items (active)			
RADIUS over DTLS (draft-ietf-radext-dtls-01)	A. DeKok	•Version -01 expired 2011-04-11 •Accepted as WG item at IETF78	•Expect new draft during IETF83 week
NAI-based peer discovery (draft-ietf-radext-dynamic discovery-03)	S. Winter	•Version -03 published 2011-07-11	•Expect new draft April that will align with RFC6408
IEEE 802 attributes (draft-aboba-radext-wlan-13)	B. Aboba	•Call for WG adoption 2012-01-23 •2/6: No additional responses	• Submit individual -15 draft as radext draft -00.
Under review as WG items			
Interesting work outside of current charter			
Network Access Identifier (draft-dekok-radext-nai)	A. DeKok	•Version -01 published 2011-09-10	•Discuss adoption with WG charter/goal update
RADIUS Accounting Extensions of Traffic Statistics (draft-yeh-radext-ext-traffic-statistics)	L. Yeh	•Version -02 published 2012-03-05	•Discuss adoption with WG charter/goal update

Proposed Recharter Goals: A mix of old and new

- RADIUS attribute space extension. The standard RADIUS attribute space is currently being depleted. This document will provide additional standard attribute space, while maintaining backward compatibility with existing attributes.

- IEEE 802 attributes. New attributes have been proposed to support IEEE 802 standards for wired and wireless LANs. This work item will support authentication, authorization and accounting attributes needed by IEEE 802 groups including IEEE 802.1, IEEE 802.11 and IEEE 802.16.

- New RADIUS transports. A reliable transport profile for RADIUS will be developed, as well as specifications for Secure transports, including TCP/TLS (RADSEC) and UDP/DTLS.

- Update and clarification of Network Access Identifiers (RFC4282).This work item will correct and clarify issues present with RFC4282 in two phases. In first phase, RFC4282bis will be issued to eliminate fundamental incompatibilities with RADIUS around character encoding and NAI modifications by proxies. In second phase, a fresh review of NAI internationalization requirements and behavior will be undertaken with a clear goal of maintaining compatibility with RADIUS.

- RADIUS Accounting Extensions for Traffic Statistics. This work item will specify RADIUS accounting attributes for differentiated accounting polices and traffic recording.
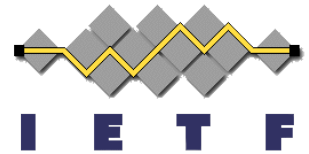
Proposed Milestones

Date	Action/Update
Apr-2012	IPv6 Access I-D submitted as a Proposed Standard RFC
Apr-2012	IEEE 802 Attributes I-D submitted as a Proposed Standard RFC
Apr-2012	Extended Attributes I-D submitted as a Proposed Standard RFC
Jun-2012	RFC 4282bis submitted as a Proposed Standard RFC
Jun-2012	RADIUS over DTLS I-D submitted as an Experimental RFC
Jun-2012	Dynamic Discovery I-D submitted as a Proposed Standard RFC
Oct-2012	RADIUS support for NAI Internationalization I-D submitted as a Proposed Standard RFC
Dec-2012	Traffic Statistics Attribute I-D submitted as a Proposed Standard RFC

Feedback?