

Routing Area WG (rtgwg)

IETF 101 – London

Chairs: Jeff Tantsura (jefftant.ietf@gmail.com)

Chris Bowers (cbowers@juniper.net)

Secretary: Yingzhen Qu (yingzhen.ietf@gmail.com)

Note Well

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- [BCP 9](#) (Internet Standards Process)
- [BCP 25](#) (Working Group processes)
- [BCP 25](#) (Anti-Harassment Procedures)
- [BCP 54](#) (Code of Conduct)
- [BCP 78](#) (Copyright)
- [BCP 79](#) (Patents, Participation)
- <https://www.ietf.org/privacy-policy/> (Privacy Policy)

IPR Disclosure

- Review the rules about disclosing intellectual property as expressed in RFC 3979 and at <http://trac.tools.ietf.org/group/iesg/trac/wiki/IntellectualProperty>
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- rtgwg Process
 - poll authors on their compliance with IETF IPR rules prior to moving a document to the next step in the WG process, e.g., before an individual draft becomes a WG document or a WG document goes to last call

Charter Update(approved)

The Routing Area working group (RTGWG) is chartered to provide a venue to **discuss, evaluate, support and develop proposals for new work in the Routing Area** and may work on specific small **topics that do not fit with an existing working group.**

Administrivia

- Note takers:
 - Monday: Yingzhen Qu, Ignas Bagdonas
 - Thursday: Yingzhen Qu, Ignas Bagdonas
 - Jabber Scribe: Looking for a volunteer?
- Blue sheets --- please sign them!
- Agenda Bashing
- WG Update

Liaisons

- **BBF - TR-384 Cloud Central Office Reference Architectural Framework**
- Currently in IETF, the standards work on the interfaces of the disaggregated BNG has started. For example, the draft “Information model of control plane and user plane separation BNG”:
<https://datatracker.ietf.org/doc/draft-cuspdrtgwg-cu-separation-infor-model/>
- In addition, the draft “Requirements for the protocol of the control plane and user planes separation BNG”:
<https://datatracker.ietf.org/doc/draft-cuspdrtgwg-cusp-requirements/>
- We look forward to continued IETF progress on the drafts for interfaces of the disaggregated BNG which will give operators a complete view of the BNG disaggregation. It also can provide a standardized way to manage multiple vendors in the BNG access devices and improve the cooperation and interconnection of different vendors’ devices. Therefore, the standards works are very important to the BNG disaggregation’s deployment and development.
- Please find the link to BBF TR-384 “Cloud Central Office Reference Architectural Framework”
- <https://www.broadband-forum.org/technical/download/TR-384.pdf>

IETF 101 Routing Area WG Agenda

Tuesday, March 20, 2018

1) 09:30-09:45 - WG Status Update

Jeff Tantsura, Chris Bowers

15 minutes

2) 09:45-09:55 - Routing Policy Model draft-ietf-rtgwg-policy-model

Yingzhen Qu

10 min

3) 09:55-10:05 - ARP YANG Model draft-ding-rtgwg-arp-yang-model

Xiaojian Ding

10 min

4) 10:05-10:15 - YANG Model for QoS (and QoS operational parameters)

draft-asechoud-rtgwg-qos-model-03 draft-asechoud-rtgwg-qos-oper-model-00

Aseem Choudhary

10 min

IETF 101 Routing Area WG Agenda

Tuesday, March 20, 2018

5) 10:15-10:25 - Update from Routing Area YANG Architecture Design Team

Lou Berger

10min

6) 10:25-10:40 - Control and User Plane separation for BNG

draft-cuspdt-rtgwg-cu-separation-bng-deployment

draft-cuspdt-rtgwg-cusp-requirements

draft-cuspdt-rtgwg-cu-separation-infor-model

Gu Rong

15 min

7) 10:40-10:55 - Control and User Plane separation for BNG (YANG model)

draft-hu-rtgwg-cu-separation-yang-model

Fangwei Hu

15 min

IETF 101 Routing Area WG Agenda

Tuesday, March 20, 2018

8) 10:55-11:10 - gRPC Services on Network Devices - Implementation Update Update on progress towards:

gNMI - config manipulation and streaming telemetry implementation.

gNOI - operational commands.

gRIBI - RIB injection service for gRPC.

Rob Shakir

15 min

9) 11:10-11:25 - Considerations on Network Virtualization and Slicing
draft-arkko-arch-virtualization

Jari Arkko

15 min

10) 11:25-11:40 - Numbering Exchange Protocol draft-omar-nep

Khaled Omar

15 min

IETF 101 Routing Area WG Agenda

Thursday, March 22, 2018

1) 13:30-13:35 - Enterprise Multihoming using Provider-Assigned Addresses
draft-ietf-rtgwg-enterprise-pa-multihoming

Jen Linkova

5 min

2) 13:35-13:45 - Toward a Network Telemetry Framework draft-song-ntf

Haoyu Song

10 min

3) 13:45-13:55 - Enterprise to Cloud DC connectivity draft-dm-net2cloud-problem-statement

Linda Dunbar

10 min

4) 13:55-14:05 - Enhanced VPN draft-bryant-rtgwg-enhanced-vpn

Stewart Bryant

10 min

5) 14:05-14:15 - Testing of TI-LFA implementations

Carsten Rossenhoevel

10 min



Document Status (1)

- Published
 - RFC 8294, Common YANG Data Types for the Routing Area

Document Status (2)

✓ Publication Requested:

- draft-ietf-rtgwg-yang-rip (RFC Ed Queue : MISSREF)
- draft-ietf-rtgwg-yang-vrrp (RFC Ed Queue : AUTH48)
- draft-ietf-rtgwg-uloop-delay (RFC Ed Queue : AUTH48)
- draft-ietf-rtgwg-backoff-algo (IESG Evaluation::AD Followup)
- draft-ietf-rtgwg-ni-model (RFC Ed Queue : MISSREF)
- draft-ietf-rtgwg-lni-model (RFC Ed Queue : MISSREF)
- draft-ietf-rtgwg-multihomed-prefix-lfa (AD Evaluation)

✓ WGLC finished:

- Waiting for shepherd write up: draft-ietf-rtgwg-bgp-pic
- draft-ietf-rtgwg-spf-uloop-pb-statement

✓ WGLC ready :

Document Status (3)

- Working group drafts
 - draft-ietf-rtgwg-dst-src-routing
 - draft-ietf-rtgwg-enterprise-pa-multihoming
 - draft-ietf-rtgwg-policy-model
 - draft-ietf-rtgwg-routing-timer-param-sync
 - draft-ietf-rtgwg-vrrp-bfd-p2p

Document Status (4)

- Related Active drafts(not working group documents):
 - draft-acee-rtgwg-yang-rib-extend
 - draft-asechoud-rtgwg-qos-model
 - draft-asechoud-rtgwg-qos-oper-model
 - draft-bashandy-rtgwg-segment-routing-ti-lfa
 - draft-bashandy-rtgwg-segment-routing-uloop
 - draft-bryant-rtgwg-enhanced-vpn
 - draft-cuspdt-rtgwg-cu-separation-bng-deployment
 - draft-cuspdt-rtgwg-cu-separation-infor-model
 - draft-cuspdt-rtgwg-cusp-requirements
 - draft-hu-rtgwg-cu-separation-yang-model

Document Status (5)

- Related Active drafts(not working group documents):
 - draft-ding-rtgwg-arp-yang-model
 - draft-dong-rtgwg-enhanced-vpn-protocol
 - draft-dt-rtgwg-dcrouting-requirements
 - draft- Kapoor-rtgwg-dynamic-multipath-routing
 - draft-lanzhangwang-rtgwg-npmnrp
 - draft-lee-rtgwg-actn-applicability-enhanced-vpn
 - draft-ooamdt-rtgwg-ooam-header
 - draft-openconfig-rtgwg-gnmi-spec
 - draft-sl-rtgwg-far-dcn