NETMOD
Agenda and WG Status

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Note Well

This summary is only meant to point you in the right direction, and doesn't have all the nuances. The IETF's IPR Policy is set forth in BCP 79; please read it carefully.

The brief summary:

- **By participating with the IETF, you agree to follow IETF processes.**

- **If you are aware that a contribution of yours (something you write, say, or discuss in any IETF context) is covered by patents or patent applications, you need to disclose that fact.**

- **You understand that meetings might be recorded, broadcast, and publicly archived.**

For further information, talk to a chair, ask an Area Director, or review the following:

BCP 9 (on the Internet Standards Process)

BCP 25 (on the Working Group processes)

BCP 78 (on the IETF Trust)

BCP 79 (on Intellectual Property Rights in the IETF)

NETMOD WG RFCs

- RFC 6020 (draft-ietf-netmod-yang)
- RFC 6021 (draft-ietf-netmod-yang-types)
- RFC 6087 (draft-ietf-netmod-yang-usage)
- RFC 6110 (draft-ietf-netmod-dsdl-map)
- RFC 6244 (draft-ietf-netmod-arch)
- RFC 6643 (draft-ietf-netmod-smi-yang)
- RFC 6991 (draft-ietf-netmod-rfc6021-bis)

NETMOD WG Documents

draft-ietf-netmod-interfaces-cfg-16   [RFC EDITOR]
draft-ietf-netmod-iana-if-type-10   [RFC EDITOR]

draft-ietf-netmod-ip-cfg-13   [IESG]
draft-ietf-netmod-system-mgmt-13   [IESG]

draft-ietf-netmod-routing-cfg-11   [Benoit?]

draft-ietf-netmod-snmp-cfg-03   [Benoit?]

Posted Agenda

1. Administrivia and WG Status (Jürgen & Thomas)   [5 min]

2. Recharter Discussion (Thomas)   [20 min]

3. YANG Conformance (Andy)   [15 min]

4. YANG XPath Extensions (Martin)   [10 min]

5. YANG Serialization to JSON (Ladislav)   [10 min]

6. YANG Guidelines (Andy)   [10 min]

7. Data Model for Stateless Packet Filter Config (Andy) [10 min]

8. Open Mike   [10 min]

Revised Agenda

1. Administrivia and WG Status (Jürgen & Thomas)   13:00 [5 min]

2. Recharter Discussion (Thomas & Jürgen)   13:05 [20 min]

3. YANG Maintenance Issues (Martin)   13:25 [60 min]

4. YANG Conformance (Andy)   14:25 [10 min]

5. YANG Guidelines (Andy)   14:35 [10 min]

6. Stateless Packet Filter Config Data Model (Andy)   14:45 [10 min]

7. Open Mike   14:55 [5 min]

Charter Proposal (2014-03-04) 1/4

The NETMOD working group has defined the data modeling language YANG, which can be used to specify network management data models that are manipulated by the NETCONF protocol. The NETMOD working group also defined a number of core data models as basic building blocks.

The purpose of the NETMOD working group is to support the ongoing deployment of YANG by maintaining and evolving the core YANG specifications based on usage experience and developing data models that are considered core building blocks and that do not fall into charters of other active IETF working groups (for example a data model for stateless packet filters).

Charter Proposal (2014-03-04) 2/4

The NETMOD Working Group will produce a maintenance release of the core YANG specification called YANG 1.1, that is a revision of RFC 6020. The changes to RFC 6020 are restricted in the following ways:

- All compliant YANG 1.0 modules must be accepted as compliant YANG 1.1 modules.

- All known ambiguities of YANG 1.0 and all reported defects and errata will be addressed.

- YANG 1.1 is not adding new data modeling concepts to the language.

- The changes of the specification will be kept to the minimum necessary to achieve the previously stated goals.

Charter Proposal (2014-03-04) 3/4

The NETMOD Working Group will also revise the Guidelines for Authors and Reviewers of YANG Data Models (RFC 6087) in order to fix any ambiguities and to incorporate the lessons learned by producing YANG data models.

The NETMOD Working Group will produce a specification how YANG-defined data trees can be represented in JSON.

The NETMOD Working Group will not serve as a review team for YANG modules developed by other working groups.

All data models must be fully interoperable with implementations of NETCONF and YANG.

The WG will consult with the NETCONF working group to ensure that NETMOD's decision do not conflict with planned work in NETCONF.

Charter Proposal (2014-03-04) 4/4

Goals and Milestones:

Apr 2014 - Submit first working group draft of the stateless packet filter data model

Apr 2014 - Submit first working group draft of a mapping to JSON

May 2014 - Compiled issue list to be considered for YANG 1.1

Jul 2014 - Submit first working group draft of YANG 1.1

Oct 2014 - Submit stateless packet filter data model to the IESG

Oct 2014 - Submit custom a mapping to JSON to the IESG

Mar 2015 - Submit YANG 1.1 to the IESG

Non-WG RFCs using YANG

- RFC 6241 (draft-ietf-netconf-4741bis)
- RFC 6022 (draft-ietf-netconf-monitoring)
- RFC 5717 (draft-ietf-netconf-partial-lock)
- RFC 6243 (draft-ietf-netconf-with-defaults)
- RFC 6095 (draft-linowski-netmod-yang-abstract)
- RFC 6470 (draft-ietf-netconf-system-notifications)
- RFC 6536 (draft-ietf-netconf-access-control)
- RFC 6728 (draft-ietf-ipfix-configuration-model)