IETF DetNet Working Group status

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IETF process

- The IETF does its standards work in (~140) Working Groups, which are organized into (~6) Areas. A Working Group is roughly equivalent to an IEEE 802 Task Group, and Area roughly equivalent to an 802 dot group. A WG has two chairs; an Areas has 2-3 Area Directors (ADs). Internet Engineering Steering Group (IESG) is mostly the collected ADs.

- Membership is by individuals. There are no votes; straw polls are not unusual. Things happen when WG chairs and/or ADs decide that there is consensus on some issue, generally by the level of response to "last calls" for comments on documents. **MOST WORK IS DONE ON EMAIL REFLECTORS, NOT AT IN-PERSON MEETINGS.**

- Anyone can write a "draft". A WG can "adopt" a draft, making it an official WG document. Drafts expire in 6 months. WG last call on WG draft → IESG-run IETF last call → RFC (= "Request For Comments!). RFCs can be advanced, by the IESG, to become a Standard.

Creating the DetNet Working Group

- Requested a room for a scheduled "side meeting" at IETF90, **July 2014** in Toronto. Convinced IESG that we weren't crackpots.

- Established a mailing list detnet@ietf.com, generated a Problem Statement draft and a proposed charter in anticipation of having

- an "Information Birds Of a Feather (BOF)" meeting at IETF91, **November 2014** in Honolulu.

- Submitted drafts for DetNet Architecture, Problem Statement, and several drafts on Use Cases (building automation, radio access, 6TiSCH, utilities, mobile networks, professional audio), a gap analysis draft. Got sponsors in IESG to guide Charter process.

- Had "WG Formation BOF" at IETF93, **July 2015** in Prague.

DetNet Working Group launched!

- DetNet WG approved by IESG in October, 2015.
  - ➤ Routing Area (ADs: Alia Atlas, _Deborah Brungard_, Alvaro Retana)
  - ➤ WG chairs: Lou Berger, Pat Thaler.

- First meeting (2.5 hours) at IETF94, November 2015, in Yokohama. Presentations on:
  - ➤ Introduction and charter (Berger Thaler)
  - ➤ Consolidated use cases draft (Thubert Gunther Grossman Wetterwald Raymond Korhonen Das Zha)
  - ➤ Problem statement draft (Thubert Finn)
  - ➤ Architecture draft (Finn Thubert Johas-Teener)
  - ➤ Data plane using MPLS pseudowires draft (Korhonen Davari Finn)

DetNet Working Group pointers

- Datatracker – IETF supported *Official* WG site
  - ➢ https://datatracker.ietf.org/wg/detnet/
  - ➢ Used to support formal process steps, e.g., adoption and publication requests

- Tools – Community supported
  - ➢ https://tools.ietf.org/wg/detnet/ (with, e.g., the presentations mentioned)
  - ➢ Provides some of the same information as datatracker + next gen features
  - ➢ **Wiki** – Anyone can add information
  - ➢ **Trac** – WG document issue tracking
  - ➢ **SVN** – WG document issue tracking

- Mailing list information
  - ➢ detnet@ietf.org
  - ➢ https://www.ietf.org/mailman/listinfo/detnet
  - ➢ Archives
    - ○ http://www.ietf.org/mail-archive/web/detnet/current/maillist.html
    - ○ https://mailarchive.ietf.org/arch/search/?email_list=detnet

Just like / Not at all like IEEE 802

- New intellectual property rules very similar to the new IEEE rules.

- There are no official votes; chairs and directors have great responsibility. There is no such thing as a "member" of the IETF.

- Everything is open. All drafts, RFCs, standards, procedures, mailing lists, tools, wikis, etc. are freely accessible.

- Face-to-face meeting time for Working Group is typically only 1 – 2.5 hours, three times a year. Attendance is not compulsory.

- Everything else is done on e-mail lists.

- This makes it much easier to participate in IETF.

Asks from IEEE 802 TSN

- Man, I hate using "ask" as a noun, but that's the fashion, so …

- Joint the mailing list (see pointers page)

- We especially need help with the industrial automation use case.

- Anyone who contributes some reasonable amount of text to a document becomes an author. You, too, can be famous!!

- Comments on any draft are very, very welcome, because they are very, very helpful. Even if you have nothing to offer, send a comment to that effect! Lack of participation is perceived as a "special interests shoving something through" == "WG closes down without producing RFCs".

Thank you.