IETF/ITU: What is our desired outcome?

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IETF/ITU???

- What is our desired outcome for standards?
  - Where should the boundary be drawn for Internet telephony standardization?
- What is our desired outcome for operations and regulation?
  - Strictly speaking IETF (specifically IAB) is only involved in a very small part of this (ENUM).
  - ICANN has primary responsibility
  - But IETF does participate in ICANN and our influence there is large.
    - Though there is a question of how much we can do if they choose to ignore us (as they have in certain cases).

Procedure

- Talk to "customers" of IETF standards and ICANN regulation
  - SB, an RiR Board Member, Active in IETF leadership for many years
  - TK: involved in ITU standardization of mobile video telephony.
  - MH: Standards director at large European wireless network provider.
  - AH: Standards director at large Asian wireless network provider
  - ST: Senior manager in standards department at large Asian wireless network provider
- Emphasis on operator/ISP end of value chain.
- Mostly international sources.
  - But partly this is because these were people I could get to quickly.
- Try to draw some threads out of these discussions to present.

Where to draw the line for standards?

- AH:

  "IETF is the only standardization body for the Internet, that includes mobile telephony. IETF does the protocol element technologies that are used by 3GPP and IETF"

- ST:

  "IETF is where technical standards that require market acceptance and competition are done"

What about cases where co-operation is required?

- Example of Co-operative Development with ITU: Megaco
- TK:

    "Co-operative development only works if the ITU Rapportur and IETF WG chair are the same or work closely together."

    "Even then, the revision process becomes a problem and may make joint development cumbersome."

- SB:

    "Megaco was difficult to do and we are not likely to develop a joint standard again. Practically, IETF should develop the standards that are required by the Internet."

What about cases where co-operation is required? (2)

- Example of where IETF developed a protocol component used by another organization: SIP and 3GPP.

- MH:

  "Mobile operators have certain requirements that were fed into the 3GPP process."

  "These requirements state that there must be intelligence in the network for interception and modification of the SDP."

  "3GPP is willing to co-operate, and we will try to meet IETF halfway."

  "An emerging issue is Mobile IPv6. 3GPP is starting to look at this."

What's the role for ICANN and/or IETF in operations and regulation

- AH:

  "ICANN is a US-centric organization. From the <Asian country> perspective, this is not ideal. We are encouraged to see Stuart Lynn's call for more ITU involvement, and we would like to see ITU more involved because it is under the UN umbrella."

- ST:

  "ITU is where management of operational issues such as allocation of radio frequencies and addresses is done. This is a matter of fairness, and having ITU involved ensures that each country gets a say in the matter."

Experience Specifically with ENUM (England)?

- MH:

  "<European country1> regulatory authorities are allowing completely unfettered access to ENUM records. Anybody can put their information into ENUM without intermediary."

  "DNS operators are wildly enthusiastic, but mobile operators are not interested. Too much potential for fraud and abuse."

  "<European country2> regulatory authorities are requiring operators to act as intermediaries so that accuracy of information is controlled."

  No comment on high level process (ex. Issue: .arpa vs. a separate TLD).

  "ENUM isn't really a long term solution anyway. Who wants to try to look up somebody by an arbitrary string of digits? The email address is better."

Experience Specifically with ENUM (Japan)?

- AH:

  "In <Asian country> we have just recently started paying attention to ENUM, and we've heard that <Asian country standards groups> have jointly launched a study group to investigate the method of use of ENUM."

  "We have just started dealing with this issue, so no concrete solutions have been decided yet (including how to make use of it)."

Discussion?