Path Aware Networking: Obstacles to Deployment
(A Bestiary of Roads Not Taken)
(draft-irtf-panrg-what-not-to-do-04)

Spencer Dawkins

Putting My Last Slide First (but it's also last)

- The -00 version of this draft was submitted in October 2018
- The individual version was submitted in March 2018
- It's been presented at every PANRG session since IETF 100
- Every revision has been an improvement
- We can continue to improve this draft in the future, or ...
- ... it may be time for this bird to leave the nest

Reasons to publish this draft Real Soon Now

- The last two major revisions have been summarizing the draft
- The goals for this *Informational* draft are to *inform*
    - Research in this RG
    - Research outside this RG
    - Engineering outside this RG
- ISTM that we need to publish in order to inform work outside the RG
- ISTM I see proposals every IETF cycle that need this document ...
- ... including THIS IETF cycle, and meeting week

Changes since -03

- Reformatted Section 2 ("Summary of Lessons Learned")
  - Looks like big diff from -03, but mostly to allow crossrefs
- Added Section 3 ("Are The Lessons We've Learned Still True?")
  - Summarizes PANRG discussion from IETF 105
  - "Summarized summary" of Section 3 is on next slide
  - Please provide feedback on list or as Github pull requests
  - Let's not wordsmith as a group in this session, OK?
- Editor's affiliation change

Spencer Dawkins PANRG

Summary of Section 3

- Spencer should have asked a slightly different question at IETF 105
  - ***"Do we understand this lesson well enough to assess risk?"***
  - If "Yes", this is engineering. If "No", this is still research
  - I think that's the question we actually answered at IETF 105
- We don't understand these two lessons well enough to assess risk
  - "Endpoints Trusting Intermediate Devices"
  - "IntermediateDevices Trusting Endpoints"
- For these two lessons we need to revisit the Internet Threat Model
  - Note that IAB created of "model-t" mailing list, for that discussion
  - *Not sure what PANRG can say while that discussion continues*

Spencer's proposed next steps

- One more revision to fix up "question I should have asked at 105"
- Research Group last call on -05 revision
- Resolve issues raised during Research Group Last Call
- Request publication as IRTF stream *Informational* draft
- Begin *informing* proposals inside and outside this RG

Back to My Last Slide

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Please Discuss

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