

# RPKI Validator Testing, IETF88

David Mandelberg <[dmandelb@bbn.com](mailto:dmandelb@bbn.com)>

Rob Austein <[sra@hactrn.net](mailto:sra@hactrn.net)>

Tim Bruijnzeels <[tim@ripe.net](mailto:tim@ripe.net)>

Miklos Juhasz <[mjuhasz@ripe.net](mailto:mjuhasz@ripe.net)>

# Conformance Cases

- Conformance Case = specially crafted RPKI object = test case for a relying party's conformance with an RFC or I-D
- BBN maintains 349 cases at <rsync://rpki.bbn.com/conformance/>
- 164 of them are new since the last IETF

# What We Found

- Bugs in all three validators
- One bug in the conformance cases themselves
- Two sets of conformance cases that led to questions about ambiguities in specifications:
  - Can SIAs contain non-URI accessLocations?
  - Can CRLs list invalid serial numbers?

# Next Steps

- Fix some bugs
- Re-test on Thursday morning
  - Let us know if you've written validator software and want to join us!

# Questions?

