Messaging Abuse Reporting Format

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Agenda

• 17:10-17:15 Blue sheets & agenda bashing
• 17:15-17:25 MARF’s Greatest Hits
• 17:25-17:30 OMA SpamRep & SREP
• 17:30-17:35 What’s next for MARF
• 17:35-17:40 Known related work
• 17:40-18:10 Any Other Business
MARF’s Greatest Hits

• RFC5965 (8/2010) – ARF itself
  – Development began in MAAWG, moved to IETF for standardization
  – Now cited by three other RFCs, one from another WG
MARF’s Greatest Hits

• RFC6430 (11/2011) – “not-spam” feedback type
  – Came from mobile interests

• RFC6449 (11/2011) -- ARF best practices
  – Came from MAAWG, championed by JD Falk
  – External document published as Informational so it can be referenced easily by other RFCs
Not quite done yet...

- **draft-ietf-marf-redaction (1/2012)**
  - Redacting sensitive data from ARF messages
  - RFC Editor queue
  - Already seeing some use in industry

- **draft-ietf-marf-authfailure-report (1/2012)**
  - Extension to ARF for authentication failure reports
  - RFC Editor queue
  - Came to us from industry (DMARC)
  - Also influenced by DKIM reporting work
Not quite done yet…

- **draft-ietf-marf-dkim-reporting (3/2012)**
  - Forensic reporting of DKIM failures
  - RFC Editor queue
  - Based on open source work going back to early DKIM days
  - Heavily modified by IETF before publication

- **draft-ietf-marf-spf-reporting (3/2012)**
  - Reporting of SPF failures
  - RFC Editor queue
  - Spawned from DKIM reporting
  - Parallel work to support SPF-based reporting
Not quite done yet...

- draft-ietf-marf-as
  - MARF applicability statement; IETF’s version of the MAAWG BCP
  - Now under AD Evaluation
What about FBL discovery?

- Our last chartered work item
- draft-ietf-marf-reporting-discovery
  - No proponent of the work after JD was unable to complete it
OMA SpamRep

• The ability to report spam using an XML document transmitted over HTTP POST
  – Meant for use by mobile handsets

• Obvious overlap with our work, so we tried to chart a convergence path, but this never got off the ground
  – No champion for the work
  – SpamRep has seen almost no adoption anyway
    • Though we’re told someone wants to renew the work
Return of OMA: SREP

• Another OMA spam reporting initiative, this time trying to do so via IMAP extensions
• IETF has taken a very long time to figure out if we want to do this and, if so, where it should live
• OMA may have given up and decided to go out on their own
• Will know soon…
What’s next for MARF?

• ...not much

• Wait for AUTH48 on our four approved drafts

• Escort the AS through IESG Evaluation
  – IETF Last Call should start during or shortly after Paris

• Looks like they’ve all been clustered, so all five will publish together
  – Probably late spring or early summer
Known Related Work

• DMARC is an anti-phishing policy and reporting layer built on top of DKIM and SPF
  – Produced AFRF, which we developed and advanced as draft-ietf-marf-authfailure-report
  – Also includes an XML-based aggregate report structure
  – Will probably come to the IETF at the end of this year or early next
  – http://www.dmarc.org
Known Related Work

• MILE working group
  – Managed Incident Lightweight Exchange
  – Incident information sharing
  – Extensions to IODEF produced by the INCH WG

• SPFBIS working group
  – Moving SPF to Standards Track

• WEIRDS working group
  – Replacing WHOIS with something usable
Known Related Work

• X-ARF
  – Abuse reporting extensions built on top of ARF that the working group chose not to pursue
  – Stuff not related directly to messaging
  – http://www.x-arf.org

• Adding a “Port” field
  – Upcoming individual submission via MAAWG
Any Other Business

• Thank you all for your hard work editing and reviewing things!
• Open mic time