# Malformed Message Handling BCP

Murray S. Kucherawy

<msk@cloudmark.com>

## History

- For various reasons, mostly to keep support costs down and invite participation, email components are historically lax at enforcing standards like RFC5322
- Recently this has become a security issue, where different parts of the mail system treat various malformations in their own ways

## History

- That means a particular malformation might be handled one way at a border MTA or filter, and then another way at the MUA
  - Prime example: A message with two From: fields; border MTA/filter acts based on the "bottom" (first one), while MUA shows the "top" (second one)
  - Another example: Malformed lines in the header block, where some components switch to "body" mode and others don't
- This can be exploited in phishing attacks, spam, etc.

#### Goals of this work

- Strongly encourage MSAs to be a lot more strict in what they allow into the mail stream, specifically because of the exposure created by not doing so
- 2. Highlight common malformations and provide advice about what to do with them (interpretation, handling, correction, etc.) based on experience and consensus of the community

## Not the goals of this work

- Loosen the standards to allow common malformations because they are common in reality
- Elevate any malformation to have any kind of real or perceived "standard" status

#### Current draft

- draft-kucherawy-mta-malformed-bcp
  - Contains the initial idea; more cases can and should be added by the community
- Needs a home
  - A wiki?
    - But the IESG didn't like that idea much
  - APPSAWG?
    - Concern that the advice in the BCP will change over time as the problems evolve
    - ...but RFCs can be updated as necessary
  - Individual submission?

### Discussion

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