DKIM Reputation Hint Extension

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What's a "Reputation Hint"?

- draft-fenton-reputation-hint-00

- First DKIM extension I-D proposed

- Outgrowth of WG discussion on i= (aka UAID)

- Defines a new tag, r=, in the DKIM-Signature

Problem Statement

- Senders have different ideas what to do with i= (UAID)

- Some senders would like to suggest reputations be maintained at a finer grain than domain

    Differentiating messages by user class (paying vs. free, official vs. individual, etc.)

- Allows reputation to be accrued in away that signer thinks might be meaningful

    Meaningful reputation is helpful to everyone

    Recipient is free to ignore the tag

- Tag value is opaque (semantics-free)

Design Considerations

- Alternative (create a new header field and sign it) introduces ambiguity with multiple signatures

- Security issues

    Bad actors could/will use many hint values in an attempt to dilute bad reputations

    They already do this with domain names, so this isn't new

    Hints should probably only be used for moderately trustworthy domains