Identity Header Error Handling

draft-wendt-stir-identity-header-errors-handling-02

STIR Working Group
IETF111

COMCAST

Overview

- After a pretty extensive discussion at interim meeting

- Moved away from multi-part MIME approach

- Created text to define the use of multiple reason headers

- Defined new optional parameter "ppt" to hold PASSporT value

```
Reason: SIP ;cause=436 ;text="Bad Identity Info" ;ppt= \
"eyJhbGciOiJFUzI1NiIsInR5cCI6InBhc3Nwb3J0IiwieDV1I \
joiaHR0cHM6Ly9jZXJ0LmV4YW1wbGUub3JnL3Bhc3Nwb3J0LmNlciJ9.eyJ \
kZXN0Ijp7InVyaSI6WyJzaXA6YWxpY2VAZXhhbXBsZS5jb20iXX0sImlhdC \
I6IjE0NDMyMDgzNDUiLCJvcmlnIjp7InRuIjoiMTIxNTU1NTEyMTIifX0.r \
q3pjT1hoRwakEGjHCnWSwUnshd0-zJ6F1VOgFWSjHBr8Qjpjlk-cpFYpFYs \
ojNCpTzO3QfPOlckGaS6hEck7w"
```

COMCAST

Authentication service stripping reason

- We discussed privacy implications of a PASSporT as part of reason header field going upstream beyond the authentication service

- Integrated text to make it a MUST that the authentication service remove the corresponding reason header to the PASSporT it authored in the initial INVITE request.

COMCAST

Compact form

- We discussed the ability to put compact form to save bits and some level of potential privacy protection

```
Reason: SIP ;cause=436 ;text="Bad Identity Info" ;ppt= \
"..rq3pjT1akEGjHCnWSwUnshd0-zJ6F1VOgFWSjHBr8Qjpjlk-cpFYpFYs \
ojNCpTzO3QfPOlckGaS6hEck7w"
```

COMCAST

Multiple reason headers

- RFC3326 has the following text:

```
A SIP message MAY contain more than one Reason value (i.e., multiple
   Reason lines), but all of them MUST have different protocol values
   (e.g., one SIP and another Q.850).  An implementation is free to
   ignore Reason values that it does not understand.
```

- So, proposing this document updates RFC3326 to say that you can have multiple reason header fields with same protocol (e.g. SIP)

- Question is whether this will break any implementations

- Need to get sipcore into conversation to validate

- Thoughts?

COMCAST

WG adoption?

- I think the conversation at the interim was helpful to the direction and like where we ended up.

COMCAST