

HTTPBIS

IETF 74, San Francisco

AGENDA

- 1 min - **Scribe selection**
- 4 min - **Agenda bashing**
- 45 min - **HTTP draft overview and discussion**
[Mark Nottingham]
- 10 min - **Security properties discussion**
[Paul Hoffman / Alexey Melnikov]
- 30 min - **HTTP-related draft discussion**
 - HTTP over SCTP [Preethi Natarajan]
 - Bidirectional HTTP [Mark Lentczner]
 - Mutual Authentication [Yutaka OIWA]

HTTP DRAFT-06 OVERVIEW

- ABNF Conversion
- p1-messaging-06
- p5-range-06
- p6-caching-06

ABNF CONVERSION

- Removal of implied LWS, being substituted by BWS, OWS, and RWS (already in draft -05)
- Used RFC5234 ABNF syntax, extended by list rule
 - $l \# \text{element} \Rightarrow \text{element} * (\text{OWS} \text{ " , " } \text{OWS} \text{ element})$
- Added appendices with collected, normalized and sorted ABNF (with list rules being expanded)
- See ticket for details

PI-MESSAGING-06

- Introduction updated
- HTTP URL definition updated to be based on RFC3986
 - Lots of history (better summarized in RFC 3986) removed
- Non-ASCII content obsolete and opaque in header fields and reason phrase [#63 #74 #94 #111]
- Deprecated line folding (except in message/http) [#77]
- Disallow whitespace between field-name and colon [#30]
- Restored text about proxying OPTIONS * [#83]

P5-RANGE-06

- Better definition of custom ranges [#85]

P6-CACHING-06

- Extensive rewrite
- Removed 12+ pages
 - duplication of text / requirements
 - non-normative text
 - general intermediary language heading to p1
- Warnings no longer MUST [issue 138]
- Some clarification of method's influence on caching [#139]
- Still in progress, but ready for first review

UPCOMING WORK

- Finish caching rewrite
- Messaging work on proxy operation, other adjustments
- Re-evaluate issues list, big issues remaining include:
 - Variant/Entity/Representation/Requested Entity [#69 #109]
 - ETag etc. in “status messages” [#22 #110]
 - Default charset for media types [#20]

SECURITY PROPERTIES

- Chartered deliverable
- No activity since Dublin
- Open issues
 - Suggestion to split “Existing HTTP Security Mechanisms” section into "browser-like" and "automation-like" subsections.
 - Authors don't think this is needed, so some suggested text is needed.
 - Describe Microsoft NTLM authentication?
 - A good definition of "Web Services" is needed?

HTTP-RELATED DRAFTS

- HTTP over SCTP [Preethi Natarajan]
- Bidirectional HTTP [Mark Lentczner]
- Mutual Authentication [Yutaka OIWA]