IP Address SANs in 6125-bis

Rich Salz
Background

- During WGLC, Martin Thomson proposed adding support for IP Addresses.
- subjectAltName has a type for IP Addresses; call it IP-ID
- RFC 9110, section 4.3.5, has text about validation; rule is simple:
  A reference identity of type IP-ID matches if the address is identical to an iPAddress value of the subjectAltName extension of the certificate.
- Not uncommon in HTTP, with IPaddr URL's; more mechanisms coming
Issues

- Admittedly late, but it might make the draft more widely applicable.
- The simple wording change will have ripple effects.
- Seeking WG consensus one way or the other.

Initial PR: https://github.com/richsalz/draft-ietf-uta-rfc6125bis/pull/54 (incomplete)

Initial issue: https://github.com/richsalz/draft-ietf-uta-rfc6125bis/issues/53
Current text

- Current text, in "out of scope" section, says this:

  Identifiers such as IP address are not discussed. Protocols other than HTTP may want to consider {{HTTP-SEMANTICS, Section 4.3.5}} as a validation model.