IANA Rules for MIKEY

draft-arkko-mikey-iana-00
J. Arkko, A. Keränen, J. Mattsson

IETF 80, Prague
March 29th, 2011
Ari Keränen
Background

• MIKEY (RFC 3830) and its extensions define a set of namespaces handled by IANA
  – Next payload, PRF function, MAC algorithm, etc.

• Most of the namespaces have two parts
  – Assigned through IETF Review (i.e., need IETF RFC)
  – Reserved for private use (i.e., IANA doesn’t track)
• IETF Review (as the only option) has turned out to be unnecessarily strict requirement for reserving values for most of the namespaces
  – Special circumstances may justify lighter process on a case-by-case basis
  – E.g., independent submissions, IRTF RFCs, etc.
• Multiple RFCs have had the same problem (and similar fix)
Proposed Changes

• Changing “IETF Review” into “IETF Review or IESG Approval” for the following namespaces
  – Next payload, PRF func, CS ID map type, Encr alg, MAC alg, DH-Group, S type, TS type, ID type, Cert type, Hash func, SRTP {Type, encr alg, auth alg, PRF}, FEC order, Key Data Type, KV Type

• IESG Approval: judgment call by the IESG if document warrants an allocation
Proposed Changes

• Changing “IETF Review” into “Specification required” for the following namespaces
  – Prot type, Error no, General Extension Type, KEY ID Type, OMA BCAST Types
Other (Fixes)

• In addition, making small clarifications/fixes to the MIKEY IANA registry
  – Value ranges are incorrect for some namespaces
  – Sub-registry names are not consistent
  – Version registry was missing
• Not changing rules for other registries
  – Version, Data type, C envelope key cache indicator
  – TS Role, ID Role, RAND Role, Ticket Type
Next Steps

- WG or AD-sponsored document?
- Comments are welcome!