



Dual Use Registries

Sean Turner – 2013-03-16
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first, some background

- IANA (Internet Assigned Number Authority) establishes registries that protocols use as a central repository for protocol names and numbers.
- Registries can be used by one or more protocol. For example, TLS/DTLS, IKEv1/v2.



what's the issue

- When more than one protocol uses the same registry and both “camps” can’t agree to add values to the registry what happens?
- If it were two IETF protocols, chances are we’d set up a new registry and point one protocol at one and the other at the other. Registries are cheap after all.
- But, what if the two camps aren’t from the same SDO?



it's not a hypothetical problem

- Liaison 1181, requested/supported “brainpool” values be added to the IKEv1 registry to support IEEE 802.11-2012.
- IKEv1 is obsoleted but its registry isn't.
- There was some pretty significant push back on the additions.
- Compromise was reached to add notes to the registry stating the values are not for IKEv1.
- Some really wanted to use a new registry, but that was not possible due to IEEE 802 publication timelines.



a proposed solution

- Identify registries that are “dual” use
- Set up new registries
- Point IEEE specification at those registries