Experimental/private attributes for PIM Registries

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Background

- RFC 3692 recommends allocating experimental code points
- This provides a “sandbox” with no rules
  - It is the users’ responsibility to ensure that he does not trample anyone
- Very much like an RFC 1918 “private address”, but taken from a much smaller address space.

Protocol Independent Multicast (PIM) Parameters registry

- PIM Join Attribute Types
  - 64 code points, used 4 so far
  - Explicit RPF and LISP join attributes will need to allocate 3 more.
- Encoded-Source Address Encoding Type Field
  - 256 code points, used 2 so far.
- IETF review is required to allocate from these spaces

“Experimental Use” code points

- RFC 3692 recommends having at least one value for experiments
  - For experiments only, should not be used in products. Different experiments are likely to use the same value, hence not for general deployments.
  - Should be ignored by default.

“Private Use” code points

- Another Category, defined in RFC 5226
  - “Private Use” appears to be for within a site
  - “Experimental Use” is to facilitate experiments
- Since the expected use of these allocations would not likely be confined to a single site, we recommend “Experimental Use”.

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- Proposes
  - 2 experimental attribute code points
  - 4 experimental encoding types

- WG adoption?