EXPERIMENTAL CODEPOINT ALLOCATION FOR PCEP

draft-dhody-pce-pcep-exp-codepoints-02

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INTRODUCTION

- PCEP registry - http://www.iana.org/assignments/pcep
  - Allocation Policy is – 'IETF consensus'
  - New assignments via RFCs approved by IESG

- Early Allocation is a help, and useful for stable features.

- There is a need for keeping some codepoints for 'Experimental Use' in PCEP
  - Facilitate experimentation of PCEP and testing in closed environment
  - The value should not collide with existing and future allocations
  - Experiments on Open source PCEP implementation (ODL, ONOS…)

FEEDBACK & UPDATES

- Focus only on the 'essential'
  - Messages, object & TLV
  - Removed appendix
    - Which had details about other potential experimental codepoints

- 'NO' to wiki
  - For maintaining ongoing experimentation list
    - Removed text around it
  - Aligned to RFC 3692

- [RFC3692] – assignment of a range of numbers specifically earmarked for testing and experimentation purposes.
- Mutually consenting devices could use these numbers for whatever purposes they desire, but under the understanding that they are reserved for generic testing purposes, and other implementations may use the same numbers for different experimental uses.

EXPERIMENTAL ALLOCATION

Messages
- Range – 246 to 255 (8)

Objects
- Range – 224 to 255 (31)

TLVs
- Range – 65280 to 65535 (255)

Allocation Policy – Experimental.
As per [RFC5226] IANA does not record specific assignments for any particular use for this policy.

NEXT STEP

- WG Adoption
    - Good feedback when first posted on the list
    - Feedback during the past IETF have been incorporated

- Ongoing effort in ONOS to use this experimental range.

Thank You!