BGP Well-Known Communities Procedures

Dave Ward
July 2008
Issue

• Following publication of RFC 1997 this IANA registry was created:
  http://www.iana.org/assignments/bgp-well-known-communities

• No registration procedures were specified
  IANA has made a sweep of RFCs trying to clean up the registry space and define procedures where necessary
Today

0x0000000-0x0000FFFF   Reserved
0xFFFFFFFF01           NO_EXPORT [RFC1997]
0xFFFFFFFF02           NO_ADVERTISE [RFC1997]
0xFFFFFFFF03           NO_EXPORT_SUBCONFED [RFC1997]
0xFFFFFFFF04           NOPEER [RFC3765]
0xFFFFFFFF0000-0xFFFFFFFF Reserved
Proposal

0x00000000-0x0000FFFF  Reserved
0xFFFFFFFF01  NO_EXPORT  [RFC1997]
0xFFFFFFFF02  NO_ADVERTISE  [RFC1997]
0xFFFFFFFF03  NO_EXPORT_SUBCONFED  [RFC1997]
0xFFFFFFFF04  NOPEER  [RFC3765]
0xFFFFFFFF0000-0xFFFFFFFF8000 = FCFS defined in RFC 2434
0xFFFFFFFF8001-0xFFFFFFFF = IANA Assigned defined in RFC 2434 or RFC 4020(early alloc)

No requests for Vendor range

-------------------------------
Consider changing semantics from assumed “well-known” (guaranteed action) to “reserved codepoint.”