IPv6 in IXP draft.

- Summarizes IPv6 deployment details for existing or new IXPs.
- Result of several consultation with several IXP operators and participants.
- Includes: switch fabric config, addressing plan, multicast, reverse DNS, Router Server config, services configuration and IXP policies.
- Accepted as WG item in SFO.
Changes since pre-WG:

- Add: IXP LAN routing example:
  - IXP get a /47 from RIR. One /48 to LANs not globally routed (but probably routed inside participants’ networks) and one /48 for internal services and globally routed.

- Addressing section re-visited using right justification. Example 1:
  - LAN Prefix: 2001::DB8/64 and participant’s ASN 64496.
    - Before: 2001:DB8::6449:6000:0:1/64
    - Now: 2001:DB8::6:4496:1/64

- Re-writing of Multicast section thanks to Stig Venaas.
Multicast Section:

- Multicast for ND in “unicast only LANs”. Particularly important if filters will be applied to prevent broadcast storms in the switch. Multicast packet that should be allowed for ND: MLD join, NS and NA, that include addresses:
  - all-nodes multicast address (FF02::1).
  - solicited-node multicast addresses (FF02:0:0:0:1:FF00:0000 to FF02:0:0:0:1:FFFF:FFFF).
  - FF02::2 (MLD) and FF02::16 (MLDv2).

- Multicast peering and multicast LANs: PIM (and PIM snooping), MP-BGP for PIM RPF support. Normally a separate LAN is provided for this multicast traffic.
Next Steps:

- draft 02:
  - some typos.
  - security section: comment that some deployment considerations are giving to prevent broadcast storms and DoS attacks to the switch fabric.
- WG last-call?
thanks!

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