netmod:
IPv6 RA submodule options ?

Tim Chown, tim.chown@jisc.ac.uk

6man WG, IETF 97, Seoul, 15th November 2017

netmod: router configuration

- The netmod WG has defined a core YANG data model for router configuration
  - https://tools.ietf.org/html/draft-ietf-netmod-routing-cfg-25
- Includes a number of modules, and one submodule to allow configuration of RA settings
  - The ietf-ipv6-router-advertisements submodule
- Currently the submodule only includes the required RA parameters taken from RFC4861
  - See Section 5.4
- The netmod draft says "it is expected that the core routing data model will be augmented by numerous modules developed by other IETF working groups."

So…

- The problem is that, as it stands, there is no support in the YANG RA submodule for
  - RFC 4191 options (Default Router Preferences and More-Specific Routes)
  - RFC6106 options (IPv6 Router Advertisement Options for DNS Configuration)
  - Perhaps other options?

- Should we fix this? (I think yes… hence this slot)
- Good news: one author of the Netmod draft is willing to work with 6man (Lada)
- Just needs a YANG doctor from 6man…