

# Support for multiple provisioning domains in IPv6 Neighbor Discovery Protocol

draft-ietf-mif-mpvd-ndp-support-03

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# Outline

- Changes from -02 to -03
- Size considerations
- Discussion

# Changes from -02 to -03

- Addressed the comments:
  - No separate PDV-ID option; everything now in one ND option.
  - Solicitation for PVD removed and the PVD\_CO option is now only allowed in RAs.
  - Length of the hash and signature added -> if the 'name type' is not known skipping the hash and signature is possible.
  - No 'S' flag to indicate presence of signature.. the 'Sec Length' does the same.
  - No fancy alignments within the option..

# Size considerations

- Yes.. signatures will grow the RA size.
  - However, no certs are transported in RAs.
- Yes.. possible ND option duplication for options encapsulated inside the PVD\_CO for explicit PVD and those meant for implicit PVD.
  - Be conservative what to advertise in RAs.



# Discussion

- At minimum the PVD\_CO option can just be used to only carry the PVD Identifier:
  - The identifier belongs to other draft and can be ‘whatever’..
  - Still allows embedding other NDP options is needed for some use case.. with authentication.
- Something more or less needed?