

RIPE

RIPE-501 replacement

Changes since RIPE 63 in Vienna



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- Global changes:
 - Use RFC 6434 (IPv6 Node Requirements)
 - IPsec requirements replaced by ‘IPsec + IKEv2’
 - Replaced *everywhere* this time
 - Make deprecation of Type 0 Routing Headers mandatory
 - Make things that depend on IPv4 conditional:
‘If support for tunnelling and dual stack is required...’

Some extra optional requirements

- IPv6 Host-to-Router Load Sharing [RFC4311]
- Default Router Preferences and More-Specific Routes [RFC4191]

Consumer grade layer 2 switch

- Moved from mandatory to optional:
 - MLDv2 snooping [RFC4541]

Mobile Nodes / Devices

- Mobile Node is now called Mobile Device
- We updated the 3GPP references

IPsec: Mandatory or Optional

- In the original IPv6 Node Requirements IPsec was listed as a 'MUST' implement to be standards compliant. The updated RFC changed IPsec to a 'SHOULD'
- This was done for devices with limited resources and/or applications
- Our interpretation:
 - MUST = mandatory
 - SHOULD ≠ optional

IPsec: Mandatory or Optional

- So: IPsec is not optional but also not mandatory
- IPsec is included as optional in this document, with an explicit statement:
 - Organisations that use IPsec or expect to use it in the future should move it from optional to mandatory when initiating the tender
 - Remember: this document is a template! Users are supposed to adjust it to their own needs

Current status

- The latest (and hopefully last) version of this document is sent to the mailing list
- We realise that a document like this is never completely finished
- Is the current version good, for now?
- Unless there are strong objections we would like to move to Last Call