

Basic Transition Mechanisms

draft-ietf-v6ops-trans-mech-v2-00.txt

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MTU issues

- Warn about IPv6 PMTU blackholes when using dynamic MTU. Can we do better?
- Warn about manually configuring large tunnel MTUs causing excessive fragmentation
- Fix unclear language about “MUST be 1280 but MAY be configurable”
- Raise default tunnel MTU to 1380+20?

DNS issues (section 2)

- Point out no assumption that the DNS server knows the capabilities of the requesting node
 - The requesting node could filter e.g., in a resolver library
 - Makes sense adding that an implementation might want to take into account external factors e.g., whether IPv6 interfaces have been configured
- Section 2.3 is the opposite of common DNS practices
 - Recap: not putting unreachable addresses in the DNS

Misc.

- Clarify that when decapsulating the receiver must be liberal and allow for padding of the encapsulated packet
 - IPv4 packet might be longer than IPv6 packet + 20
 - I suspect implementations do this “by accident” already

Next steps

- Reissue draft
- Last call?
 - For Proposed or for Draft?
 - Implementation report?