



Updated Specification of the IPv4 ID Field

draft-ietf-intarea-ipv4-id-update-06
IETF 85 - Atlanta

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Quick review

- **ID *already*** isn't unique as currently spec'd
 - Recognize existing practice
- **Limit IPv4 ID use to fragmentation**
 - Update 791, 1122, 2003 accordingly
 - Remind users of the impact of using fragmentation
- **Summary of 06 changes**
 - Posted to list 10/9/12



Key changes

- **MSL changed to MDL (maximum datagram lifetime)**
 - Avoids tying to MSL and TCP
 - Uses the term used in both RFC 791 and 1122
- **Clarifies where 120 seconds comes from**
 - RFC1122, reassembly timeout
- **Updated security section ref to AH**
 - As per secdir review
- **Added security section discussion of midbox impact**
 - As per secdir review
- **Added section 5.1 on the impact on legacy devices**
 - As per IESG feedback



Other changes

- **Editing as per IESG feedback**
 - Some wordsmithing
 - Some sections shifted/renumbered
- **Drops additional requirements**
 - Implied by remaining requirements:
 - No need for “MUST NOT use ID for de-dup”
 - No need for “MUST NOT use ID for diagnostics”
 - Beyond original doc focus
 - No longer “MUST ignore overlapping fragments”
 - No longer “MUST NOT change in transit”



Status

- Waiting for IESG review based on revision