

Transport Options for UDP

draft-ietf-tsvwg-udp-options-19
(WG Chair Summary)

IETF TSVWG, Yokohama March 2023

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WGLC Feedback

- WGLC in Jan 2023 for Proposed Standard
- Completed that WGLC and returned to WG for revision:
 - Detailed review and follow-up from Magnus & Colin
 - Other comments and follow-up discussion on-list
 - INTAREA early review
 - Thanks!!!

Three Basic Issues

Fragmentation DOS (whether to push for one structure or another)

- Joe will figure-out a better account for "DOS" acronym;
- Joe prefers leaving DOS option to place options up front, like true fragmentation
- Mike Heard called for rollback on that.

Encryption

- Joes wishes to keep as a specific example
- avoid down-ref by “reserving” codepoint for encryption, rather than “assigning”

Authentication (arguably very close to TCP-AO)

- Could do the same (reserve it rather than assign it)
- Joe thinks this is much more mature by corollary to TCP-AO
- Could require replay ID starting values are coordinated out-of-band, similar to TCP

WG to decide whether a separate doc specifies the HMAC and session key

Next Steps

- Revise to resolve issues
- Resolve any future issues
- Encryption/Auth concerns and dependencies raised
 - Need a proposal
 - No security review yet
- Request final WGLC!