

# IPsec Wrapped ESP (WESP) for Traffic Visibility

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# Current Status

- Updated draft submitted
  - <http://www.ietf.org/internet-drafts/draft-ietf-ipsecme-traffic-visibility-02.txt>
  - New Co-author (Manav Bhatia) added
- Ticket status – To be closed
  - #85 Clarify the units for WESP header
    - Added length of fields in bits & units for the value
    - To be closed
  - #88 UDP Encapsulation diagram is wrong
    - Fixed, to be closed
  - #89 Version field in the flags
    - Set version to 0, added text to enforce checking. Close?
  - #91 Next Header should not be optional in ESP-NULL
    - Added text to indicate Next Header MUST be set for ESP-NULL. Close?

# Active Ticket Status

## #92 Specify clearly how to treat bits in flags

- Added text to indicate flags MUST be validated before parsing packet, else packet is dropped. Ensures future compatibility.
- close?

## #93 Next header field to specify value of tunneled payload

- Open for discussion

## #84 – Scope of WESP: should WESP be applicable to encrypted and ESP-NULL traffic?

- Leverage WESP ‘Next Header’ value?
- If Zero, then encrypted data, else ESP-NULL
- Alternatively, add in ‘Integrity bit’

# Active Ticket Status

## #90 shorter WESP negotiation

- along the lines of the USE\_TRANSPORT\_MODE of rfc4306
- Added text for WESP notification
- Close?

## #104 Handling malformed fields in WESP header

- Raised by Steve Kent at last meeting
- Discuss...
- One solution: Added integrity check over WESP header, which enforces recipient validation of fields

# Next Steps

- Further discussion on Open items
- Close on above and move to last call?