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# Using IPsec to Secure IPv6-in-IPv4 Tunnels

draft-ietf-v6ops-ipsec-tunnels-02.txt

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# Status

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- Past WGLC in August 2005
- Since then one maintenance update
  - Added brief discussion how the doc also applies to AH
  - Based on new review, fix BYPASS rule
  - Some minor editorial fixes
- Since IETF65 received two IPsec reviews

# Two new IPsec reviews

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## ■ Francis Dupont

- RFC 2401 requires per-interface SPD, but we haven't said anything about this

## ■ Pasi Eronen

- Some easy-to-address comments regarding PAD, etc.
- Generic SPD model selectors are of form "::/0 --> ::/0"
  - Could overlap with multiple SAs at tunnel concentrator
  - So, SPDs should be interface-specific, but IKE is run over IPv4
  - This is a more generic issue, and will come up with DS-MIP as well

## ■ Proposed resolution

- Remove all support for tunnel-mode IPsec
- Only transport mode support

## ■ Thoughts?