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# DCCP-NAT

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draft-phelan-dccp-natencap-01.txt

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# -01 Changes

- Support for partial checksums
    - UDP checksum set to zero
    - New Partial Checksum Extension Header follows normal generic header (only when UDP checksum is zero) and precedes options
      - Four bytes
    - Specifies length of covered user data and checksum
      - Any length up to full length – not just multiples of four
      - Zero is valid length and means zero
    - Checksum covers specified length of user data plus full DCCP header.
      - But no IP pseudo-header
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# Changes not made

- List discussion suggested additional changes
    - But there were issues (in my mind at least) with the suggestions
  - Encap fallback
    - Kludgy
      - Well, a good number of people feel that way about DCCP-NAT and NAT)
      - We don't fallback between IPv6 and IPv6 encap
      - We'll see about this one
  - DNS/SDP rendezvous mechanisms
    - Needed, but not just for DCCP-NAT
      - Bigger scope than this document, belongs someplace else, I think
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# Next Steps

- Implement in DCCP-TP
  - After that?
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