Questions regarding the SCHC architecture draft

Ref: draft-ietf-schc-architecture-04

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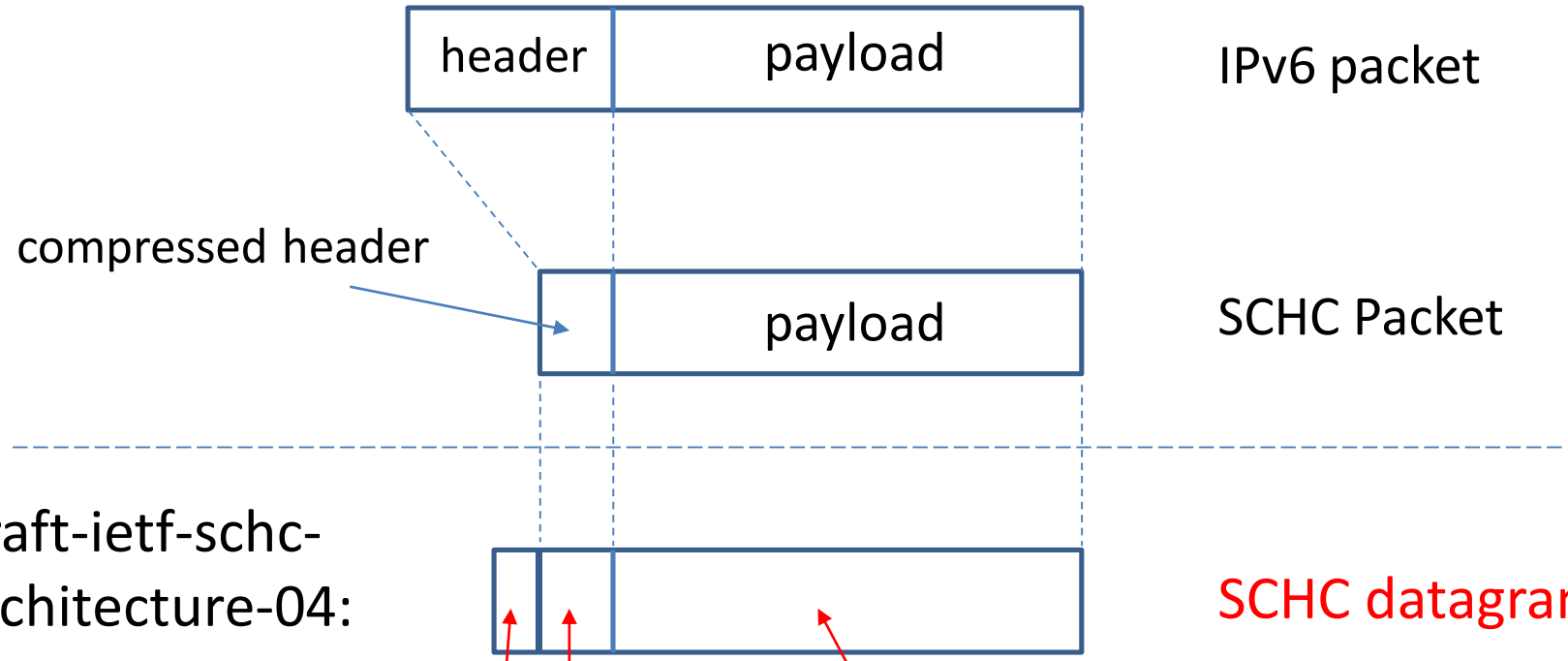
Q1. Can we confirm the terms in red?

RFC 8724:



draft-ietf-schc-architecture-04:

SCHC Stratum Header

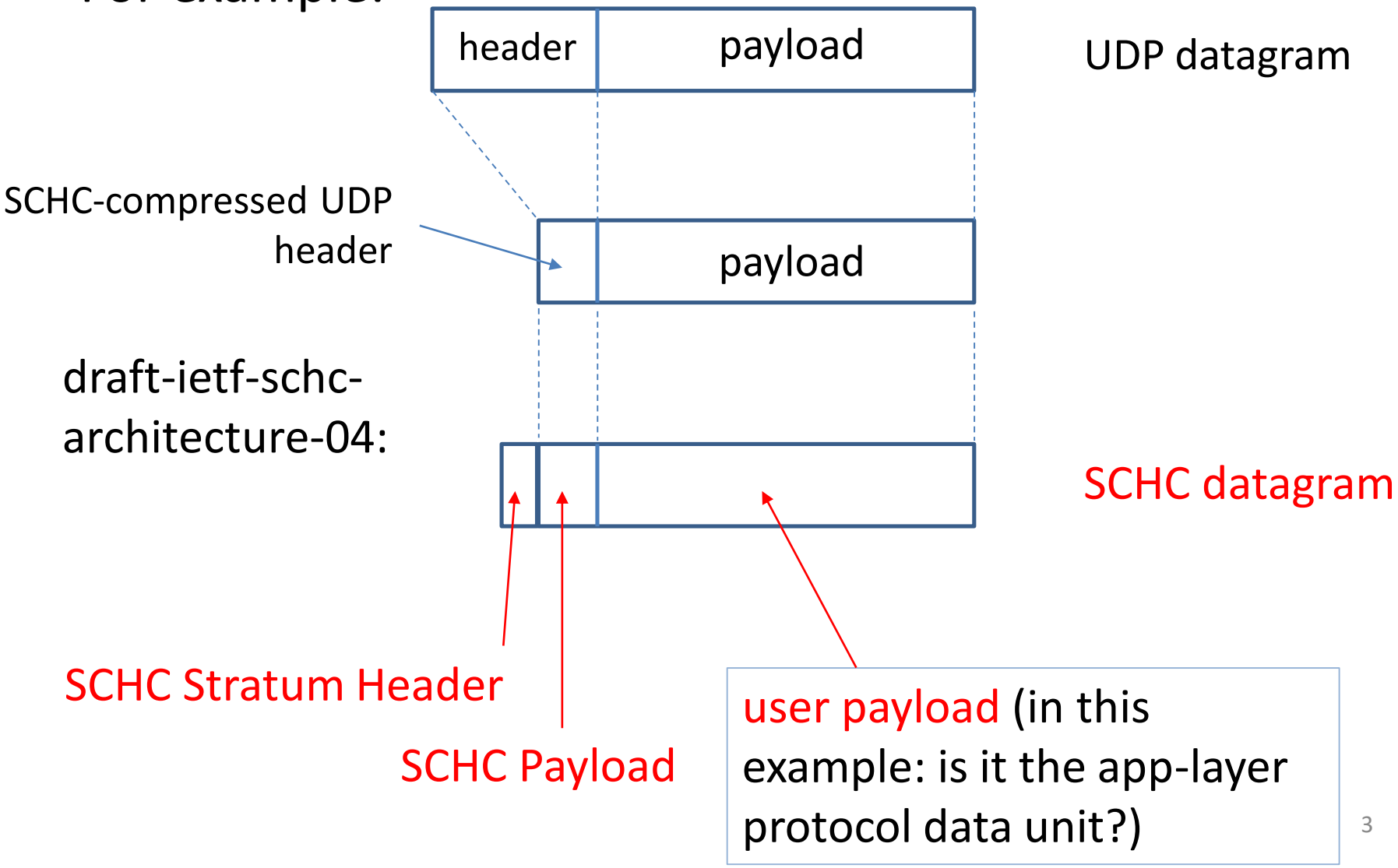
SCHC Payload

user payload

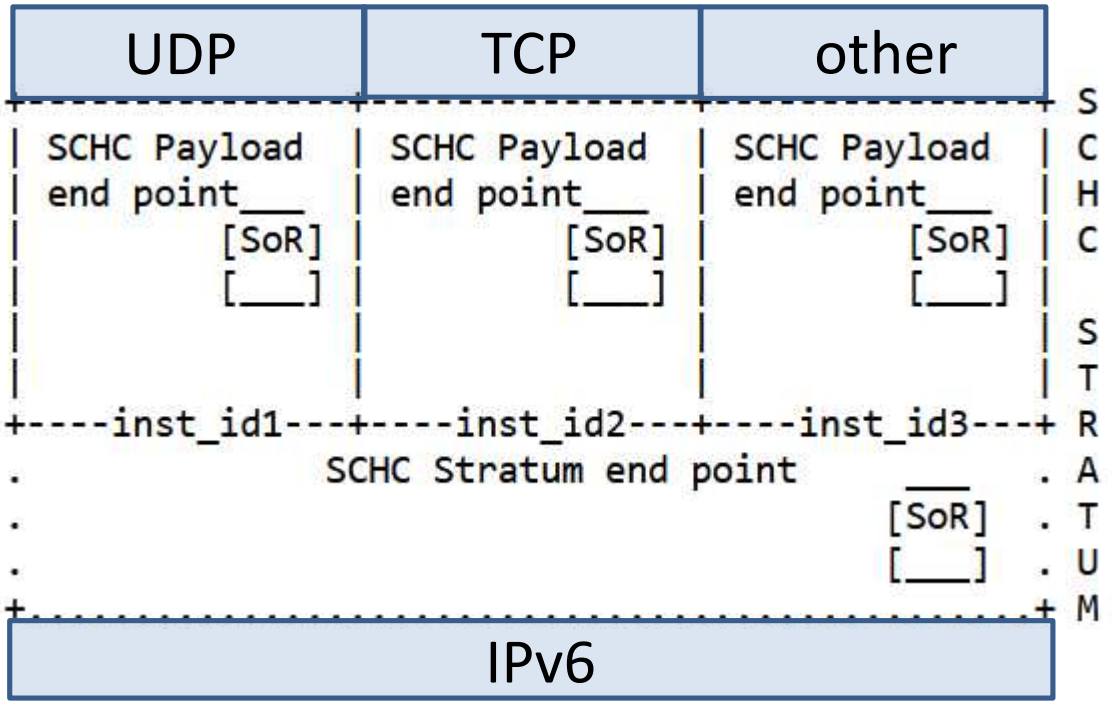
If yes, please add 'SCHC datagram' to the terminology section

Q2. Can we confirm the meaning of "user payload"?

- For example:

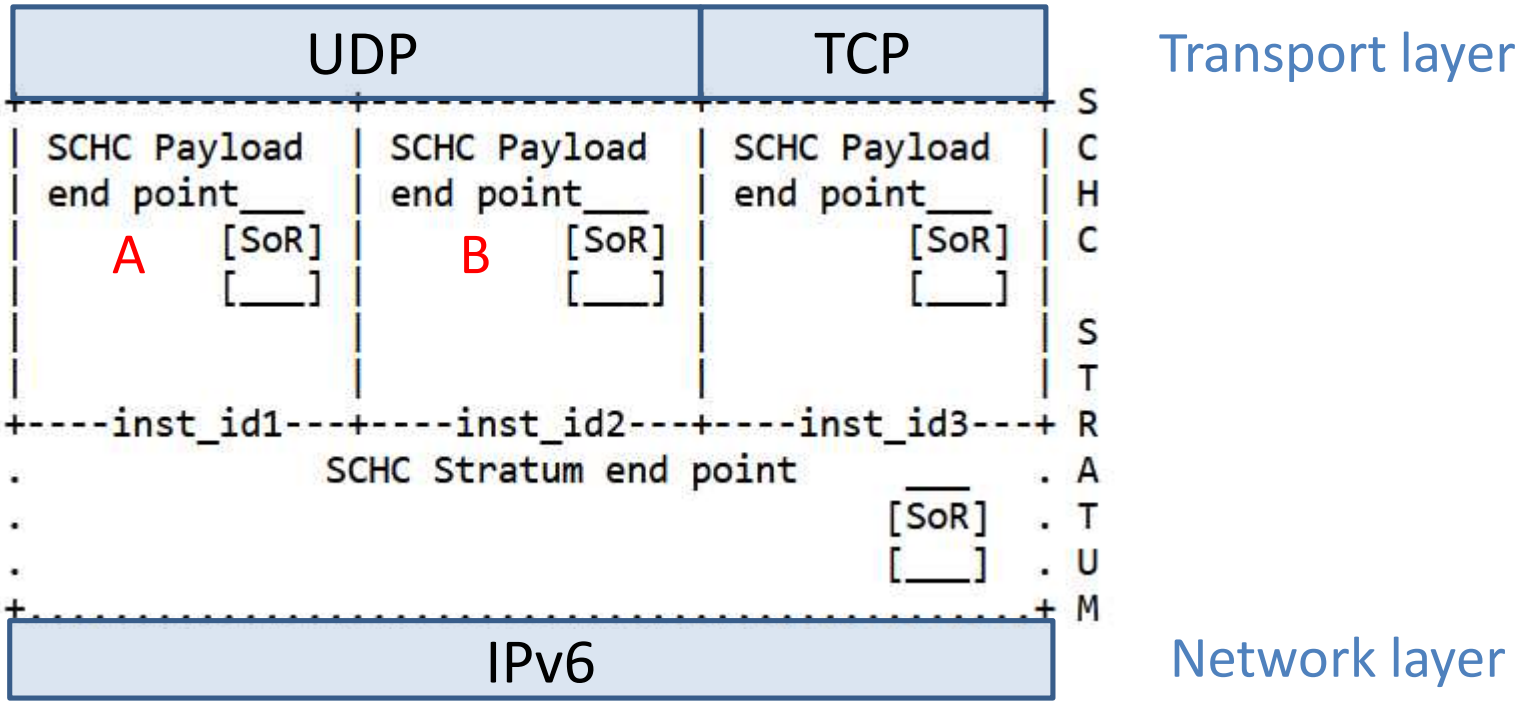


Q3. Must a SCHC Stratum comprise exactly one SCHC Payload end point for each unique protocol (or combination of protocols) supported on top…?



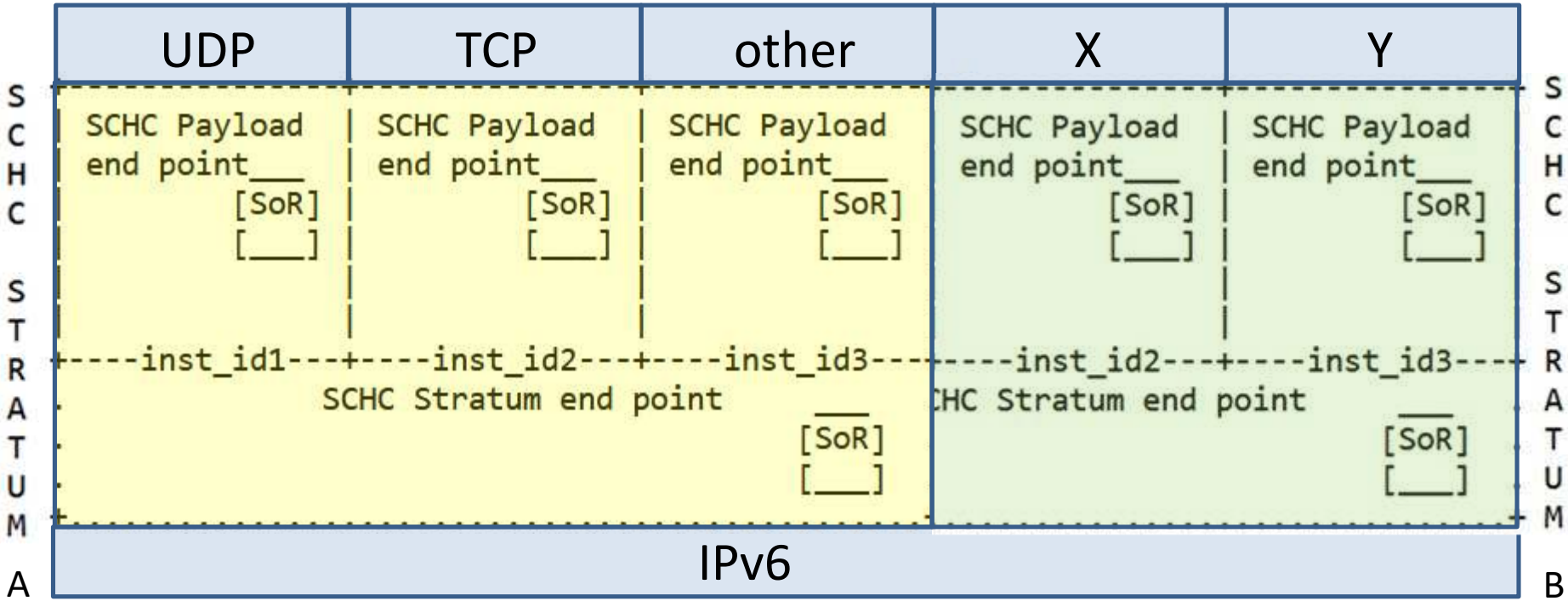
- For example:
  - One SCHC Payload end point for UDP C/D, another one for TCP C/D, etc.

Q3. … or is something like the figure below (e.g., more than one SCHC Payload end point for UDP) possible?



- In this example, two different SCHC Payload end points for UDP C/D

Q4. Is it possible to have several SCHC Strata at the same layer?

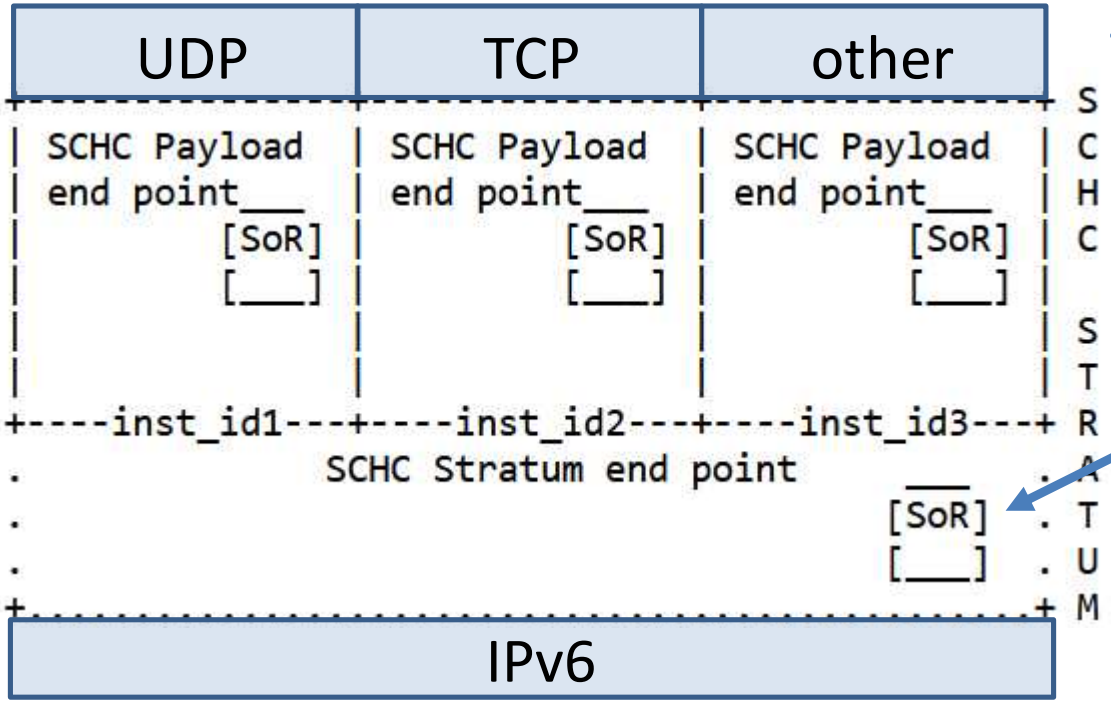


- E.g., the yellow SCHC Stratum and the green SCHC Stratum atop IPv6 in the figure above
- Or is only one SCHC Stratum allowed at a given layer? (E.g., all yellow or all green in this example)

Q5. Discriminator. Can the following be confirmed?

- Section 4.2 (draft-ietf-schc-architecture-04). The Discriminator:
  - Enables to determine the SCHC end point that is used to decompress the SCHC Stratum Header, called a SCHC Stratum Header end point.
    - Once uncompressed, the SCHC Stratum Header enables to determine the SCHC Payload end point that is used to restore the packet data that is compressed in the stratum
  - May be found:
    - In the packet context (e.g., the ID of the interface, VLAN, SSID, or PPP SCHC Instance on which the packet is received)
    - In the received packet, e.g. source/destination MAC, IP address, port...

Q5. (continued)



The Discriminator allows to determine this end point and SoR (and not the ones on top!), right?