

draft-ietf-schc-architecture

IETF 117, San Francisco, Thursday, July 27th 2023

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SCHC Session

- Session ID
- Session end points
- Role of endpoints
- Session Boot
 - Rule location (URN) and authentication
 - Rule data synchronization

SCHC Header

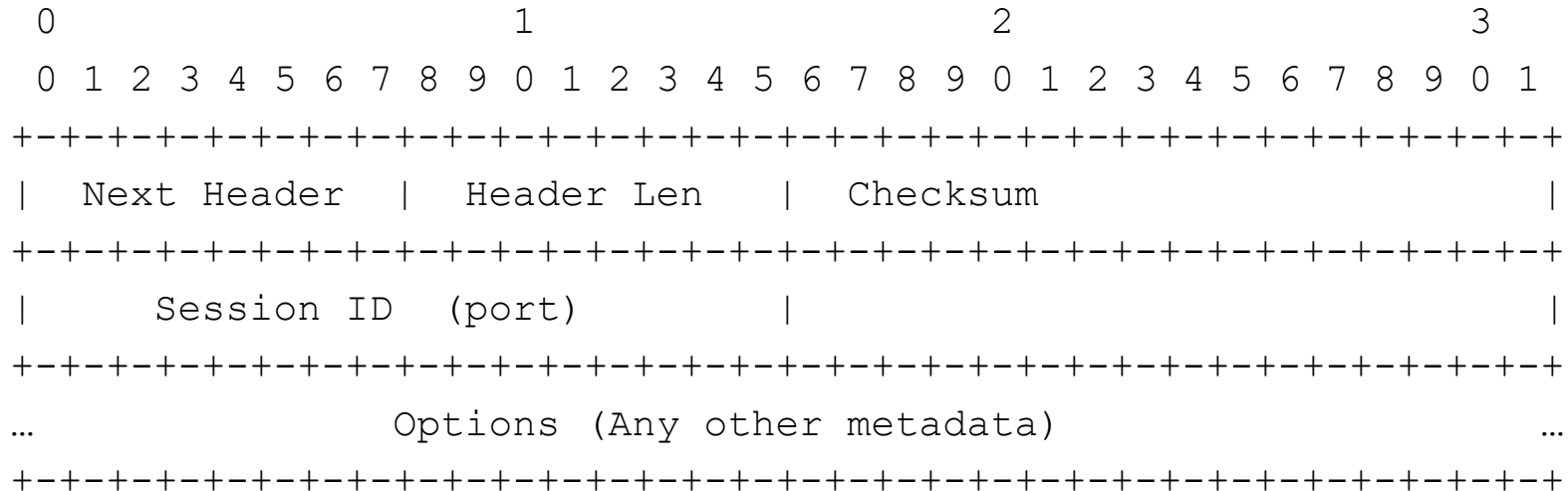
- SCHC base header

- NH

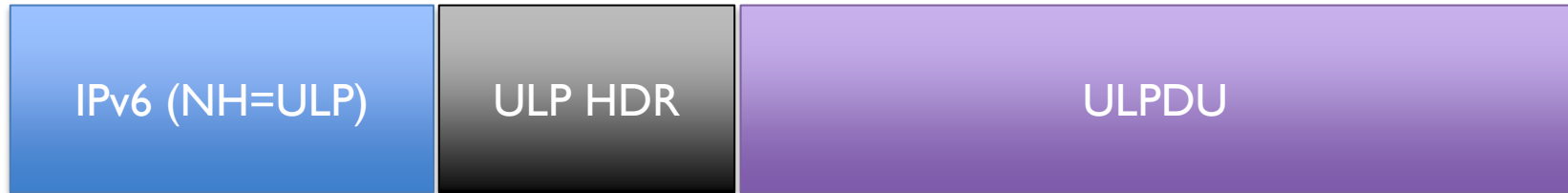
- Session ID

- SCHC header options

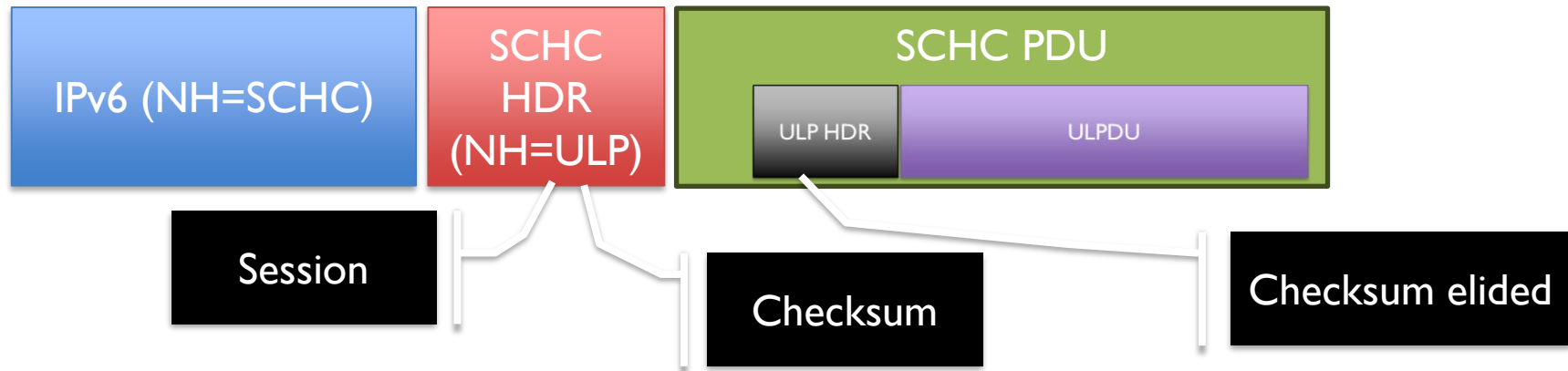
- metadata



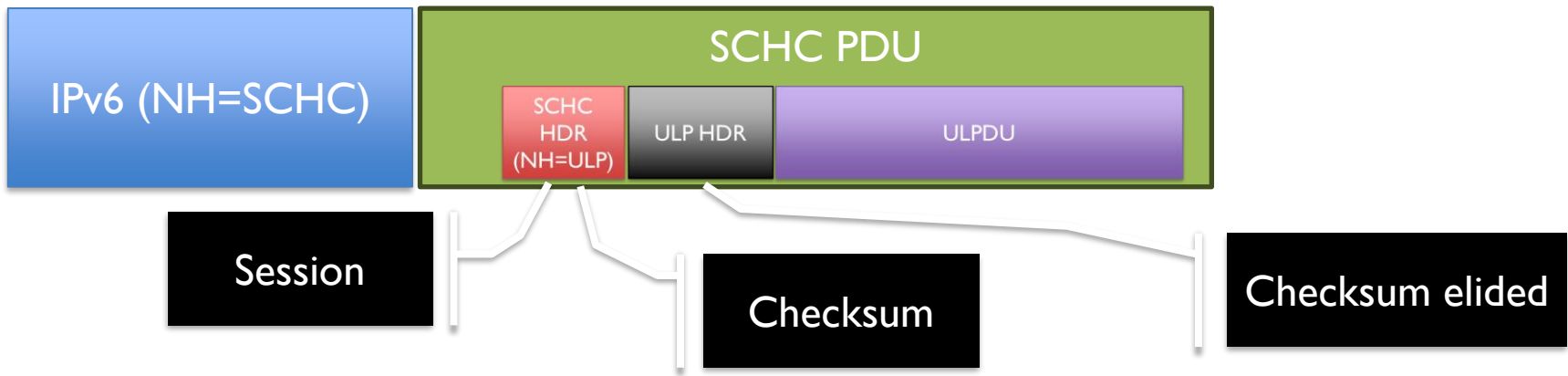
Packet SCHCization step 1



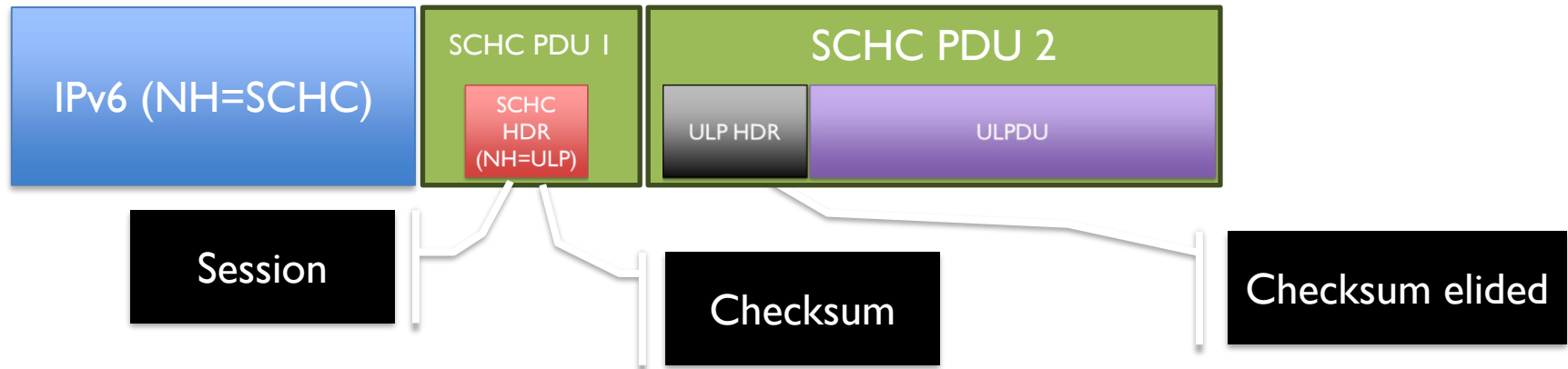
SCHCization step 2 Partial



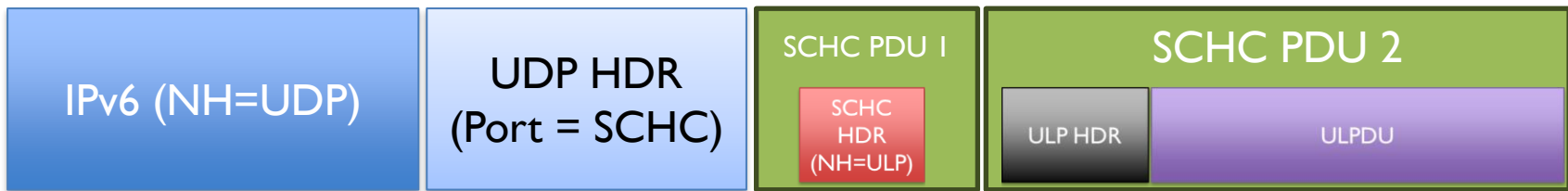
SCHCization step 2 Native



SCHCization step 2 Split



SCHCization step 2 over UDP



Checksum

UDP Port
=> session

Session
Elided

Checksum elided

SCHC Context

Synchronized

- Rule Set (signed baseline)
- Rule Amendments (manageable)
- Rule Data (manageable)

⇒ instantiated rules

- Runtime State + Timers

Rules and Rule Structures



- Optimized Tree structure
 - Order rules in parsing tree by commonalities
- One shared trunk for the SCHC header
 - Common to both endpoints
 - More generalized?

Rule exchange

- Inline vs Common reference
- Amendments and Rule Data sync
- How to confirm sync? Hashes?