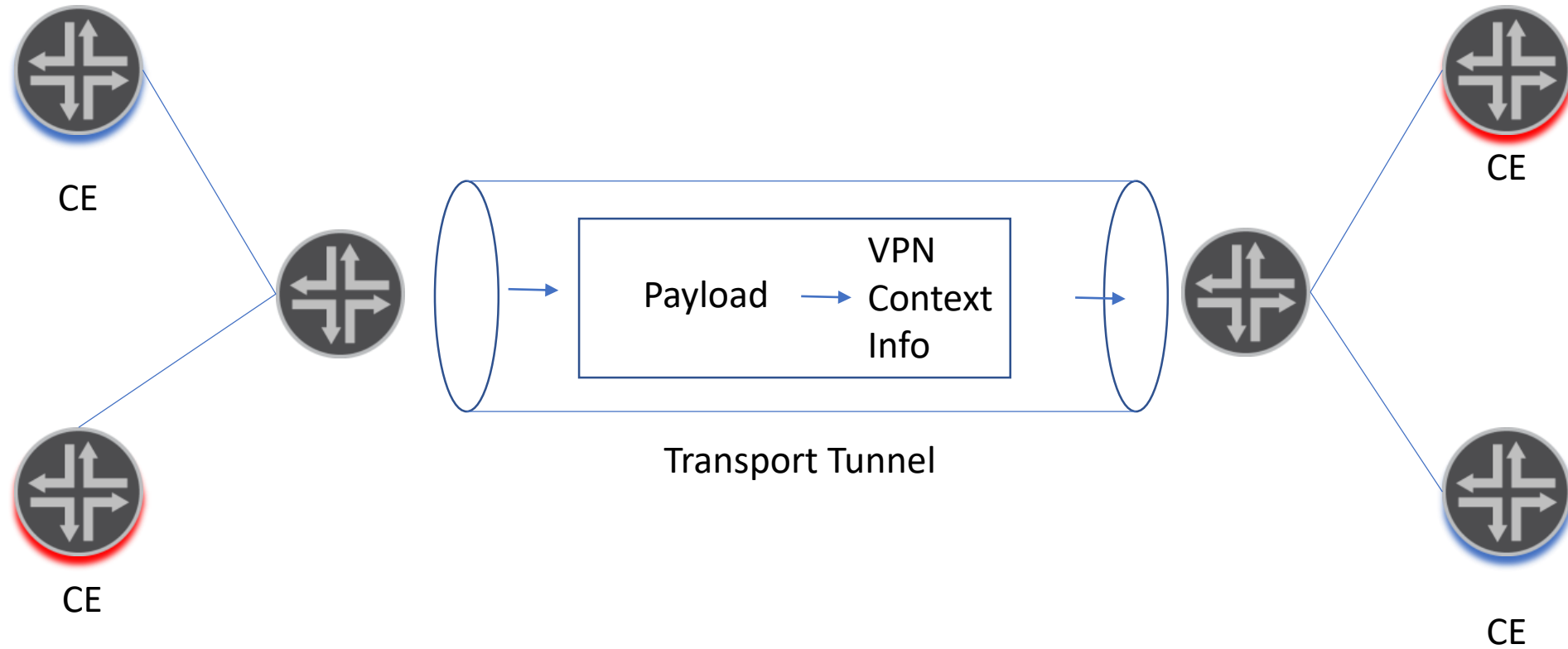


# The IPv6 VPN Context Information Option

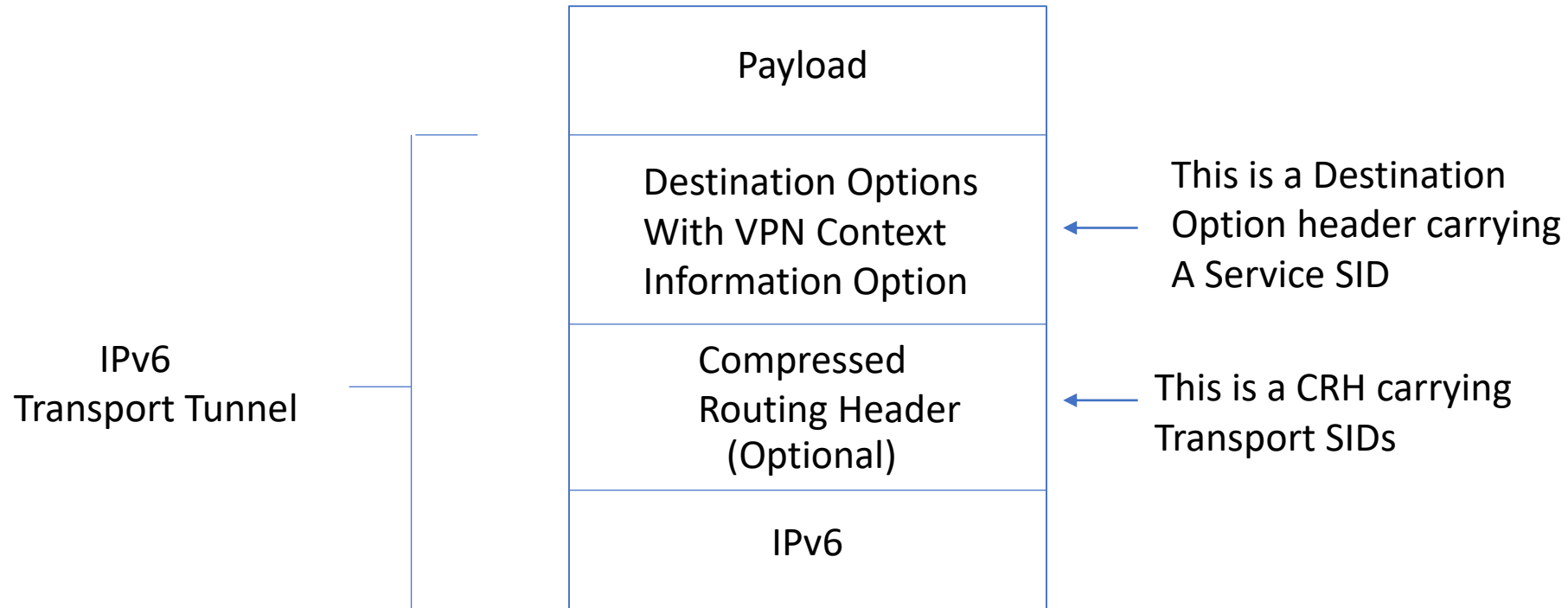
Draft-bonica-6man-vpn-dest-opt

R. Bonica, Juniper Networks  
C. Lenart, Verizon  
G. Presbury, Hughs Networks  
N. So, F. Xu, Reliance Jio  
G. Chen, BAIDU  
Y. Zhu, G. Yang, China Telecom  
Y. Zhou, ByteDance

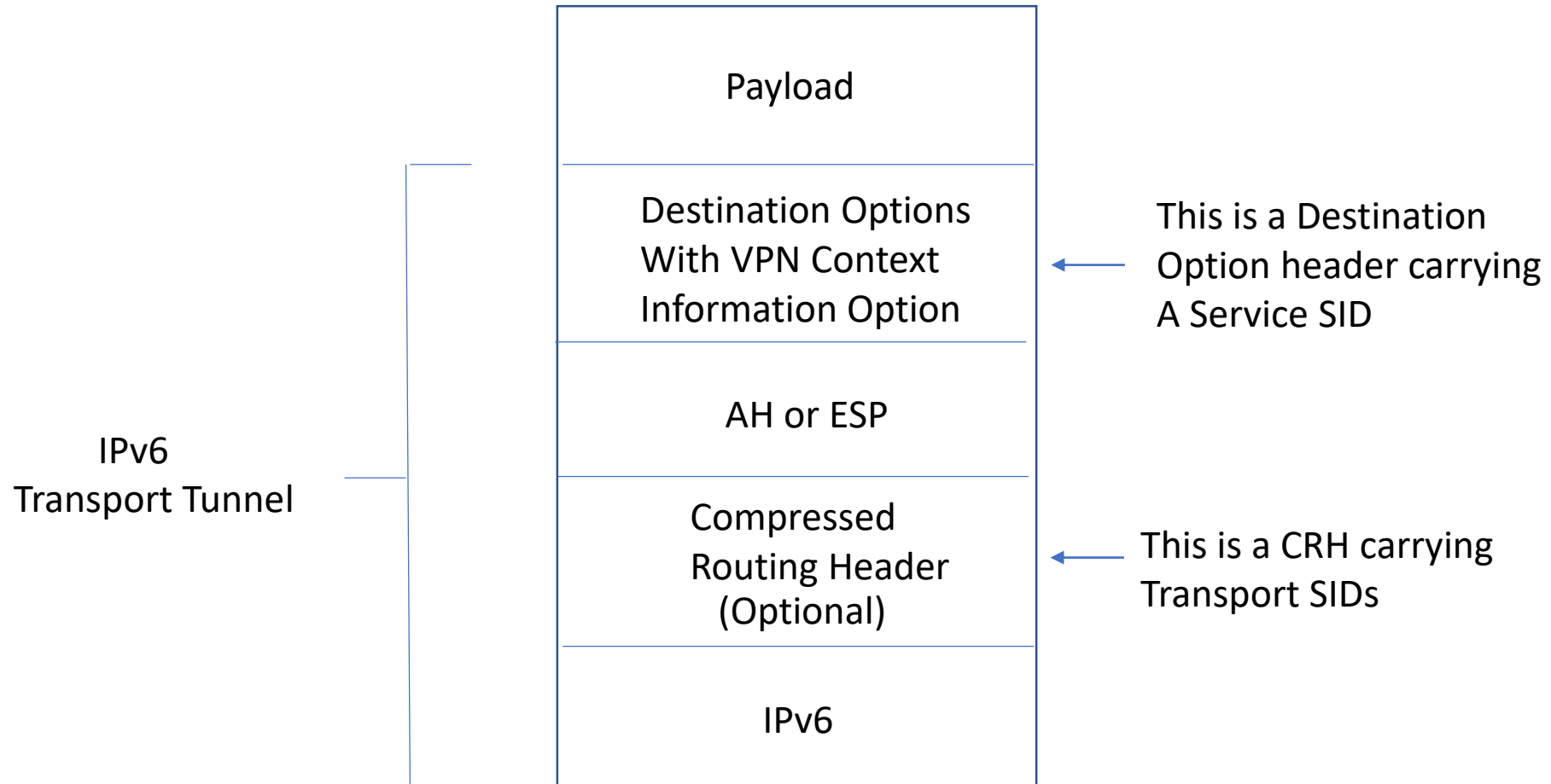
# Anatomy Of A Virtual Private Network



# Protocol Header Stack



# Got Security?



# VPN Context Information Option

- Option Type – VPN Context Information
  - Act bits - When not recognized, discard and send ICMP (10)
  - Chg bit – Do not modify (0)
- Option Data Len – Variable
- Option Data – VPN Context Information. Allocated, advertised and processed by egress PE.

# Status

- Operators are expressing interest
- Prototypes under development
  - Forwarding plane
  - BGP Signaling

# Next Steps

- Wide review in SPRING and 6man WGs
- Call for adoption in 6man WG