

5G NR: Radio
Access
Networks

PACKET DATA
CONVERGENCE PROTOCOL
(PDCP)

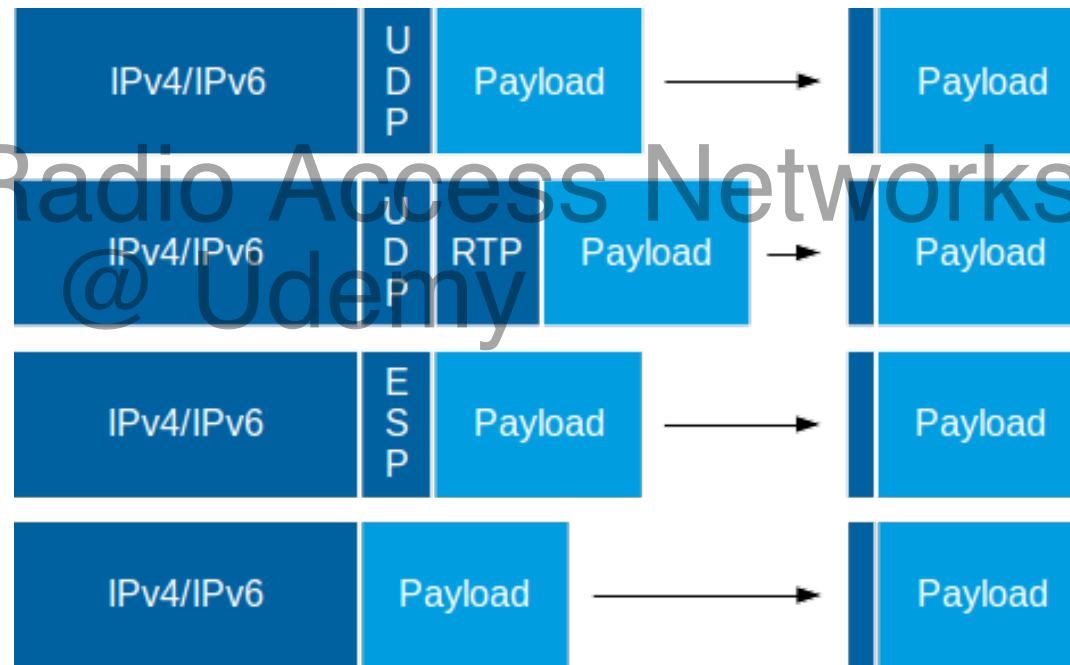
PDCP

Functions of PDCP

- Header Compression
- Ciphering and Integrity protection
- Routing and Duplication of Split bearers
- In-sequence delivery

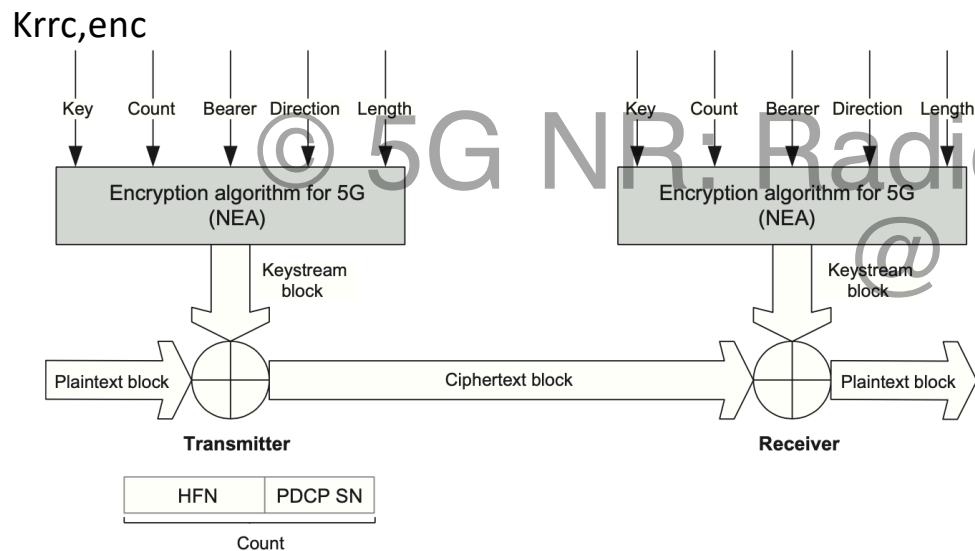
Header Compression

- IP v4: 40bytes
- IP v6: 60 bytes
- ROHC

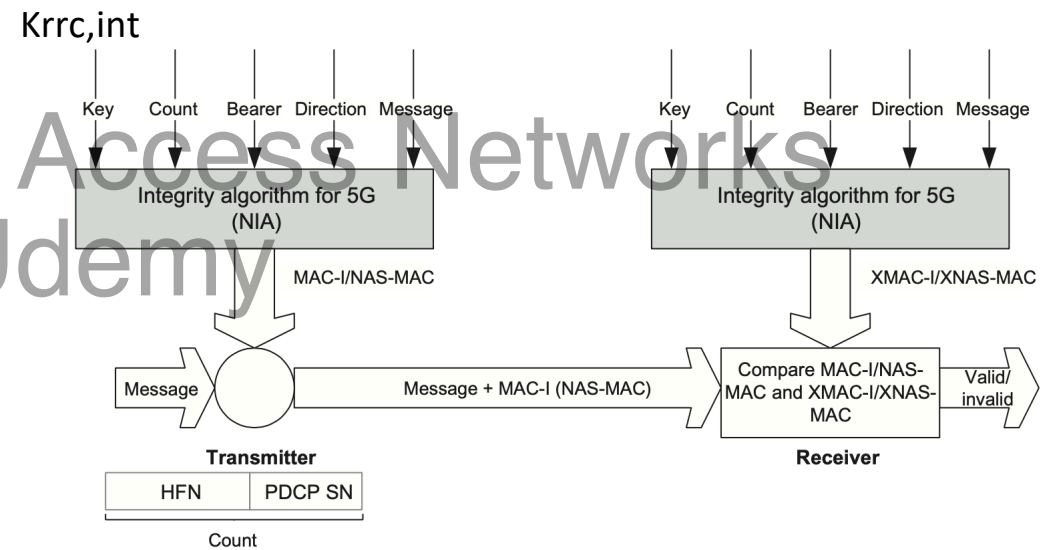


Ciphering and Integrity protection

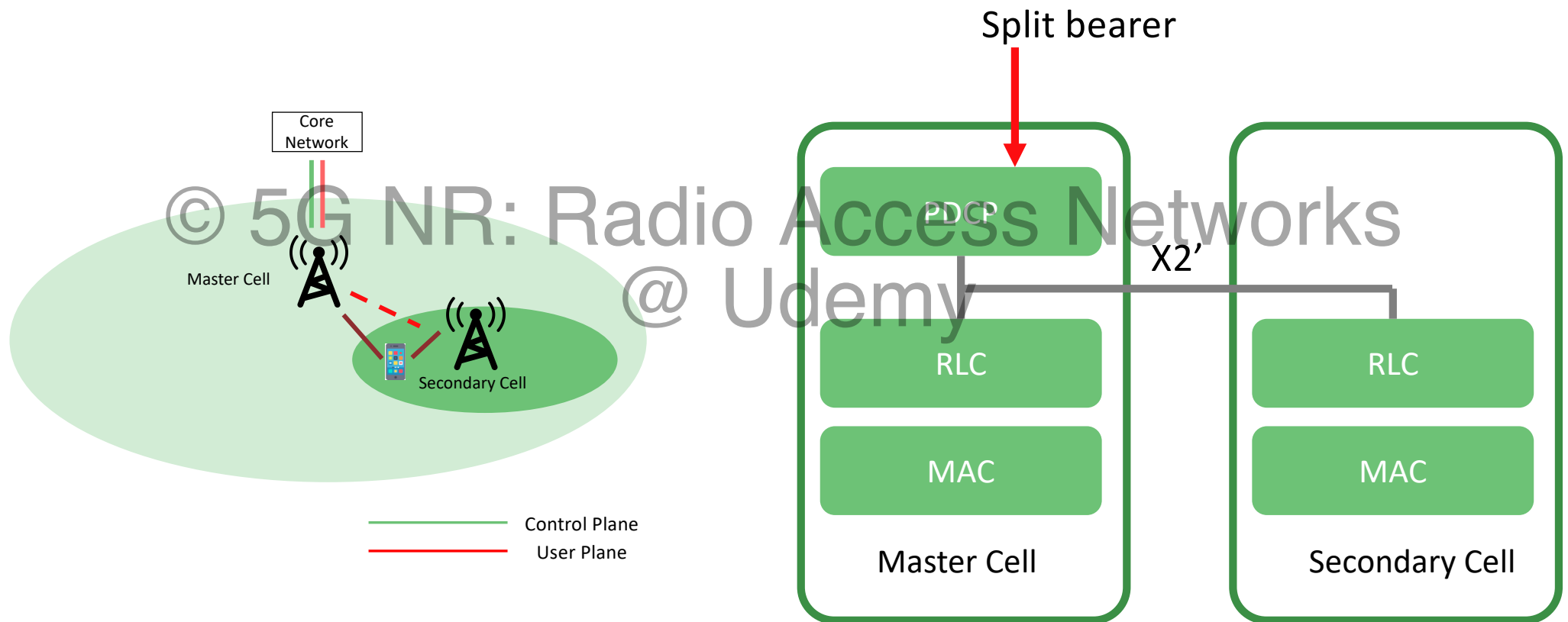
Prevent eavesdropping



Data Origin

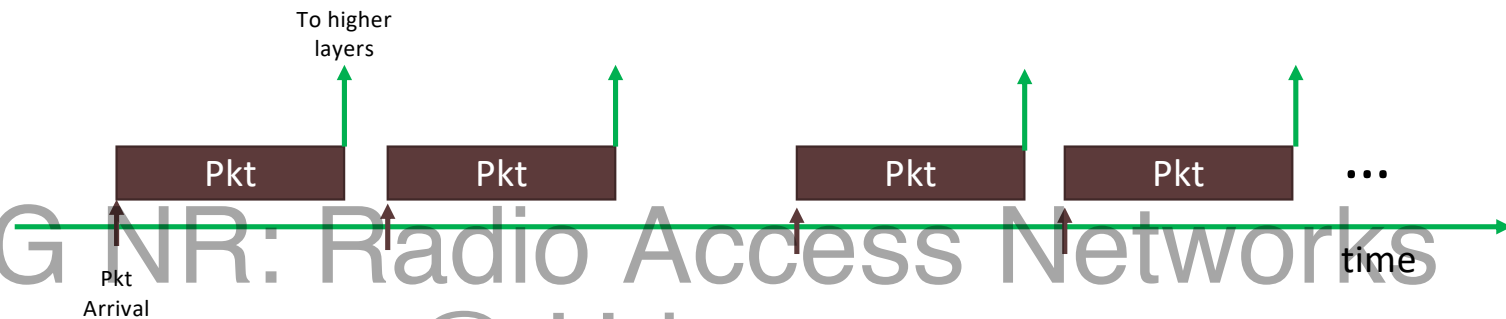


Routing and Duplication

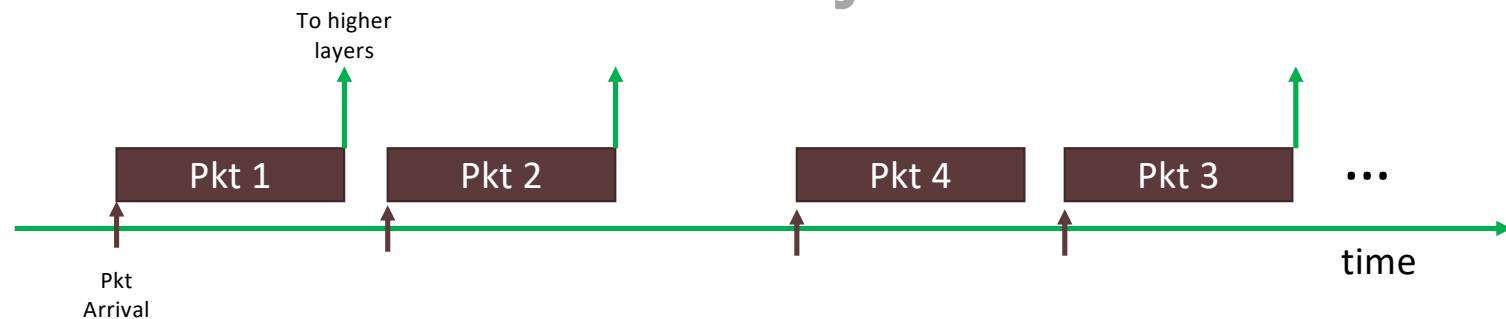


In-sequence vs Out-of-sequence delivery

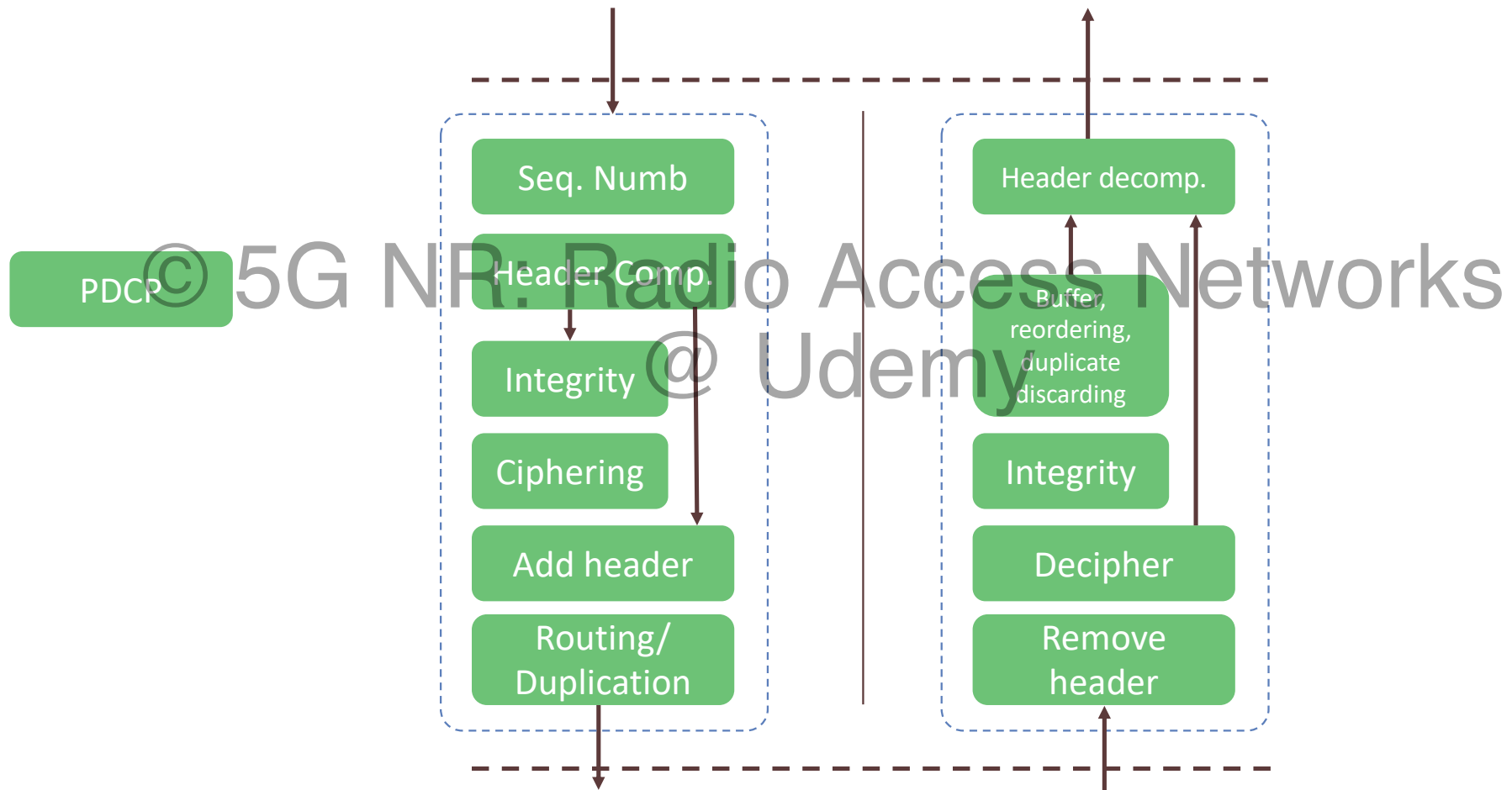
Out-of-
sequence
delivery



In-sequence
delivery



Summary



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