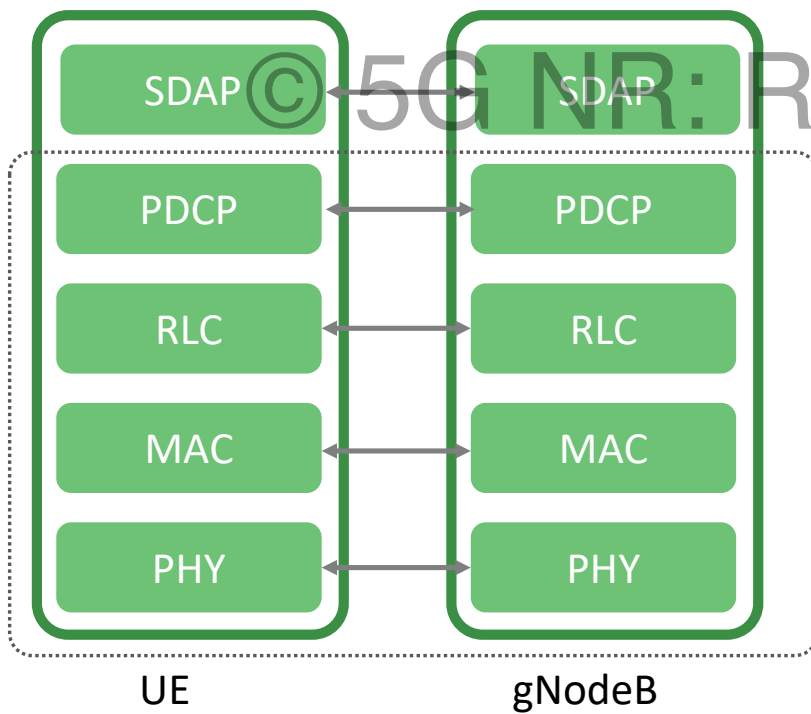


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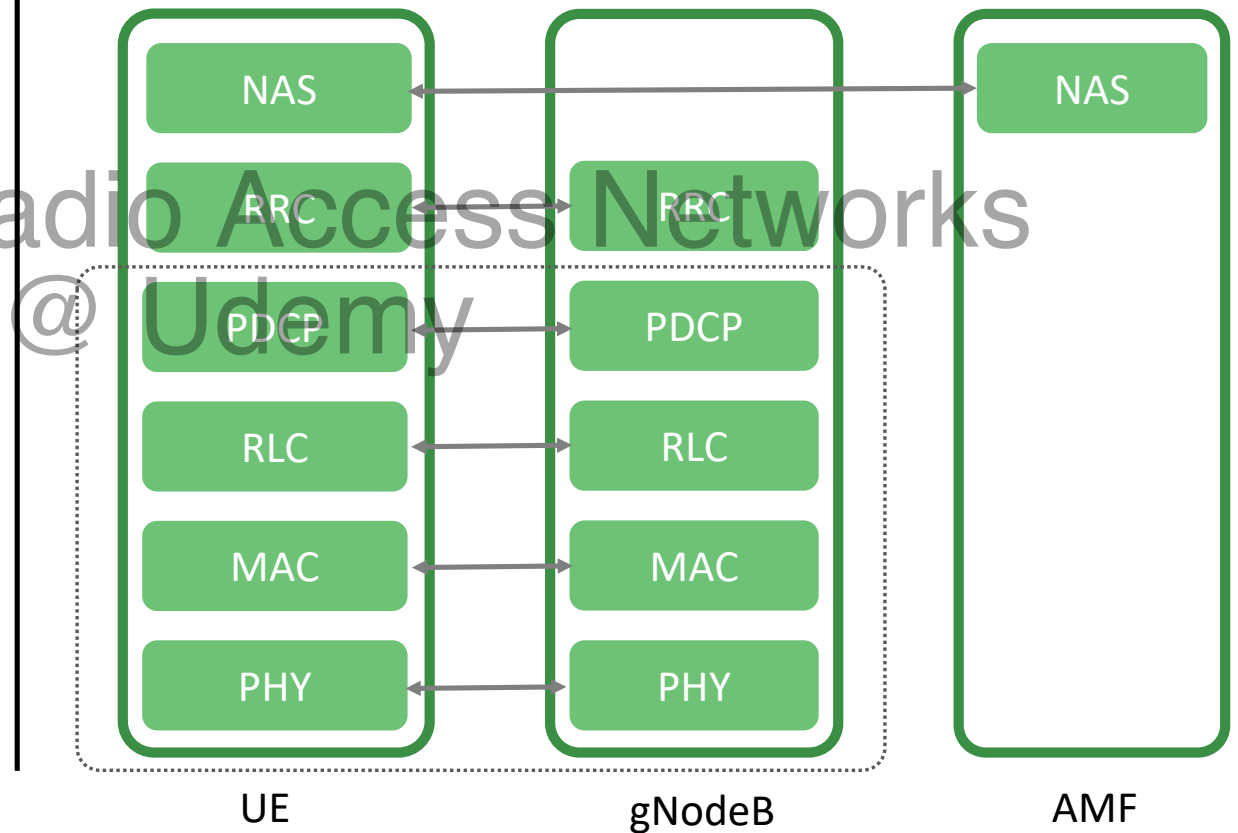
THE RAN PROTOCOL STACK

The RAN Protocol Stack

User Plane Protocol Stack



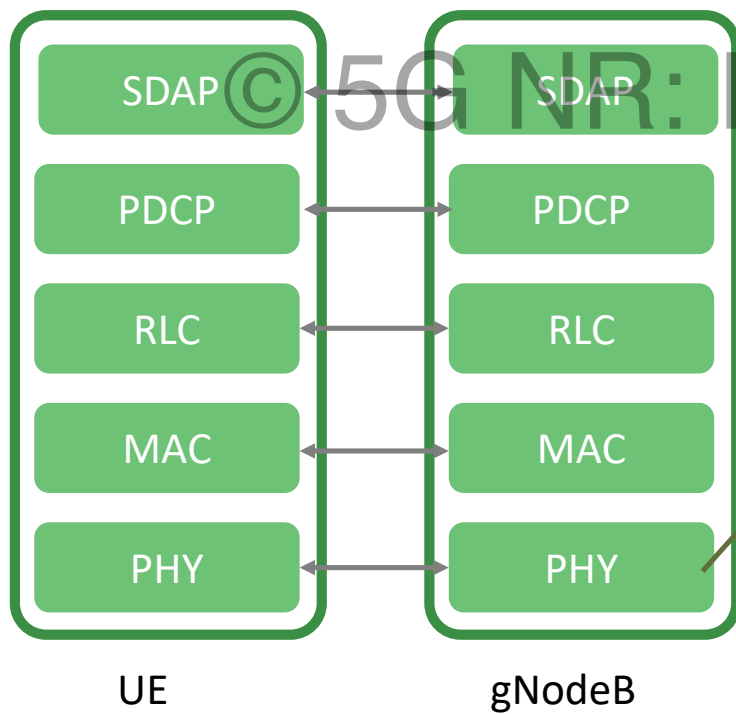
Control Plane Protocol Stack



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USER PLANE PROTOCOL STACK
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Physical Layer

User Plane Protocol Stack

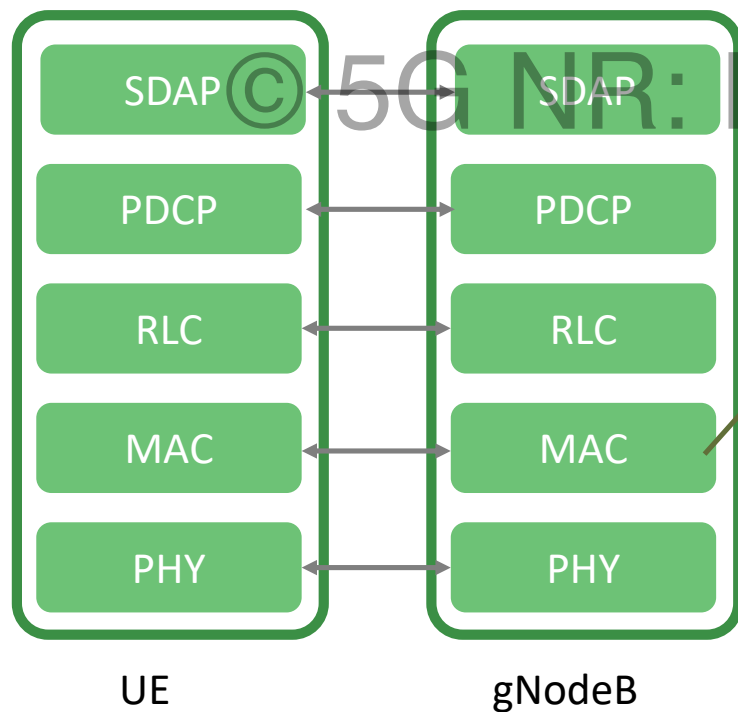


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Efficient wireless communication

Medium Access Control Layer

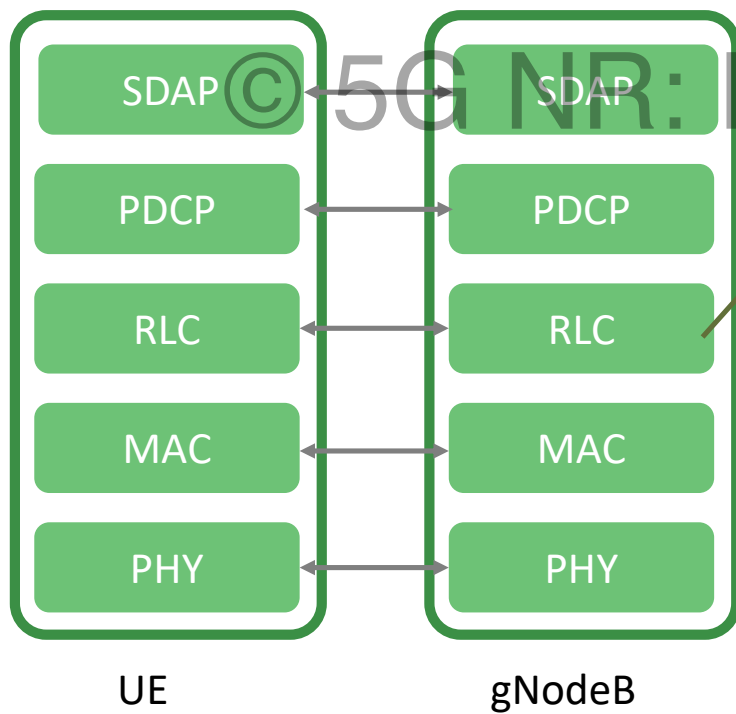
User Plane Protocol Stack



Retransmission,
Multiplexing/Demultiplexing,
Scheduling

Radio Link Control Layer

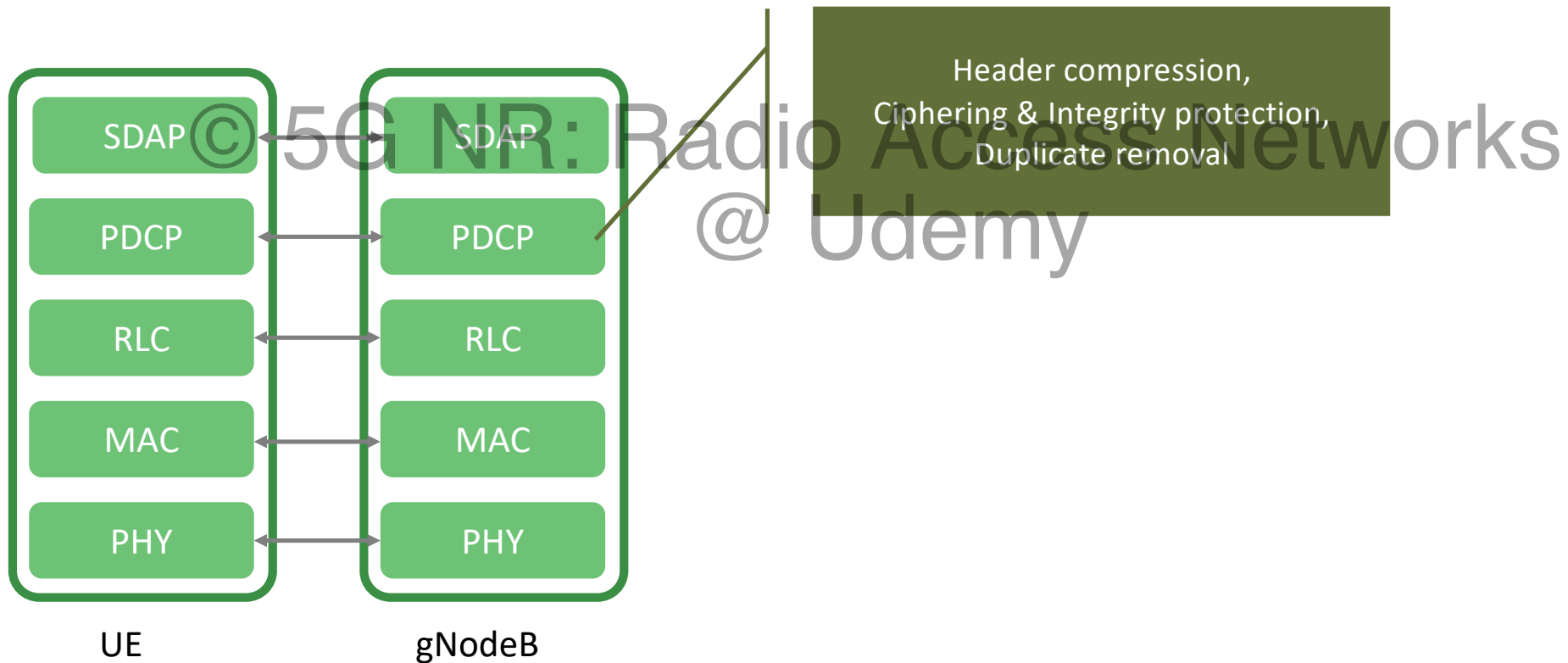
User Plane Protocol Stack



ARQ,
Segmentation

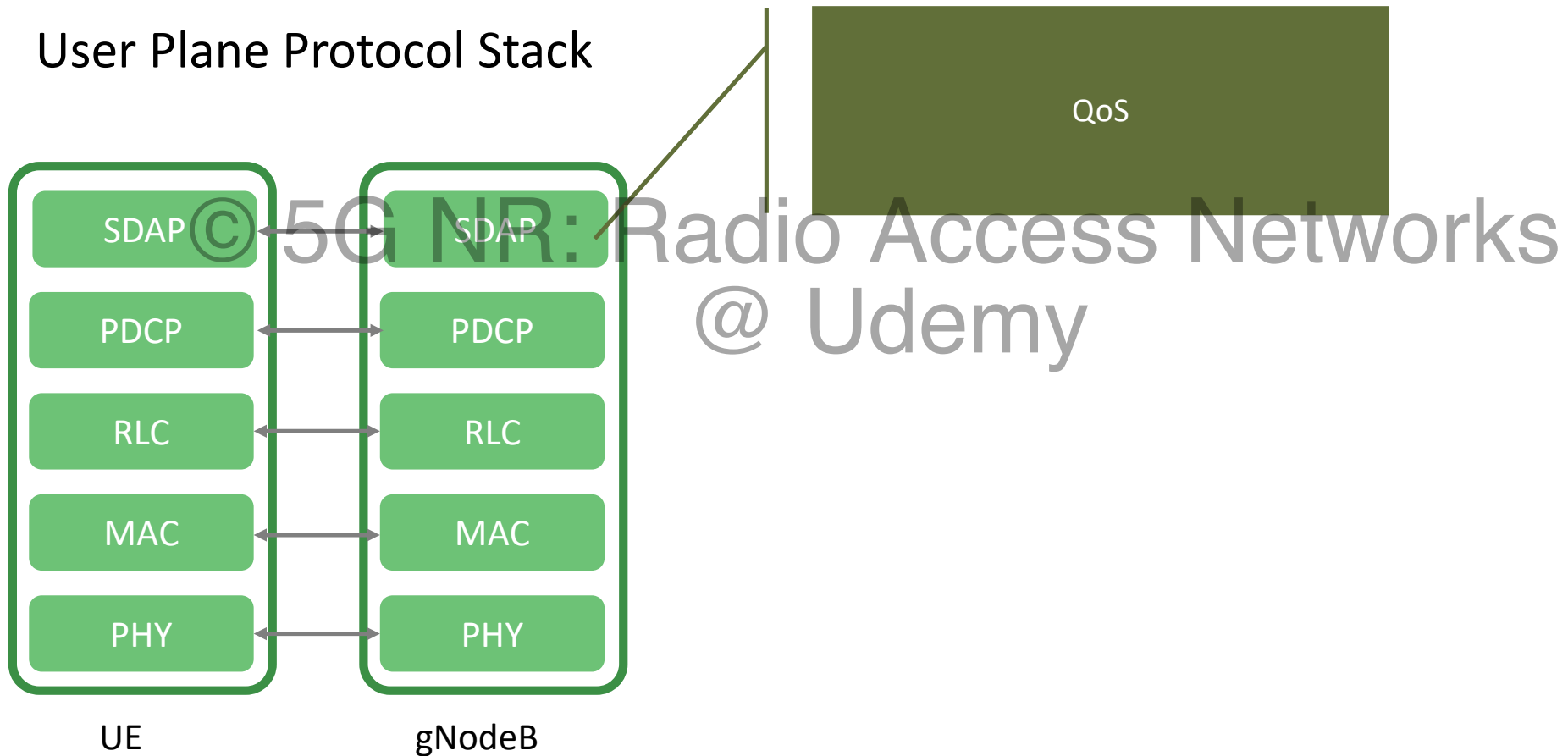
Packet Data Convergence Protocol

User Plane Protocol Stack

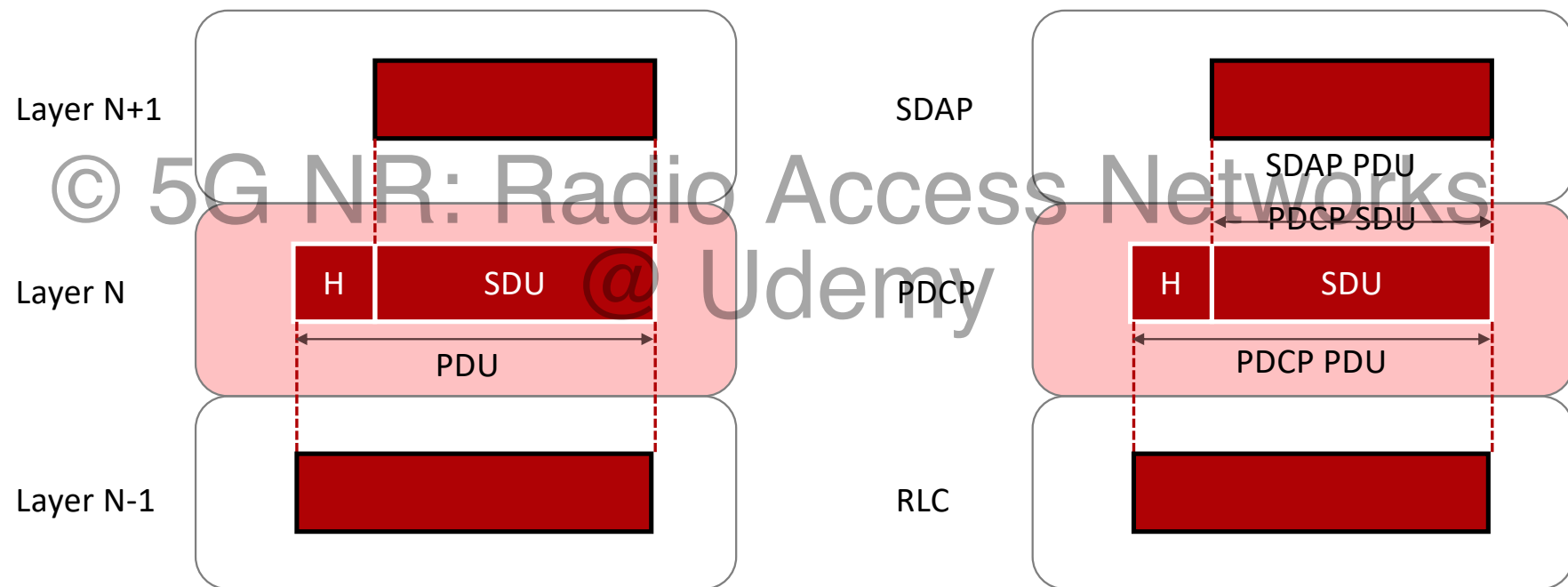


Service Data Adaptation Protocol

User Plane Protocol Stack

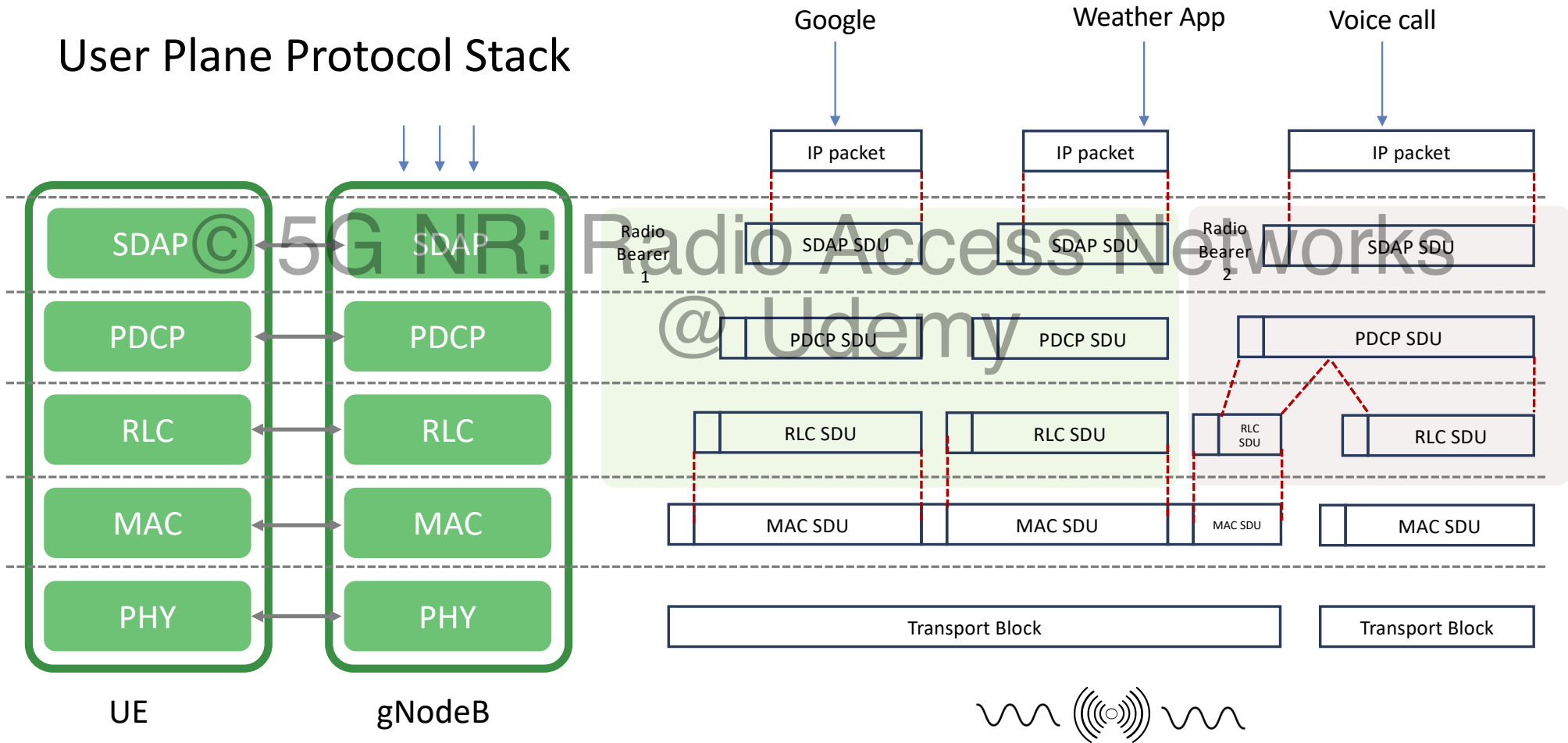


Service Data Unit(SDU) and Protocol Data Unit (PDU)



Example

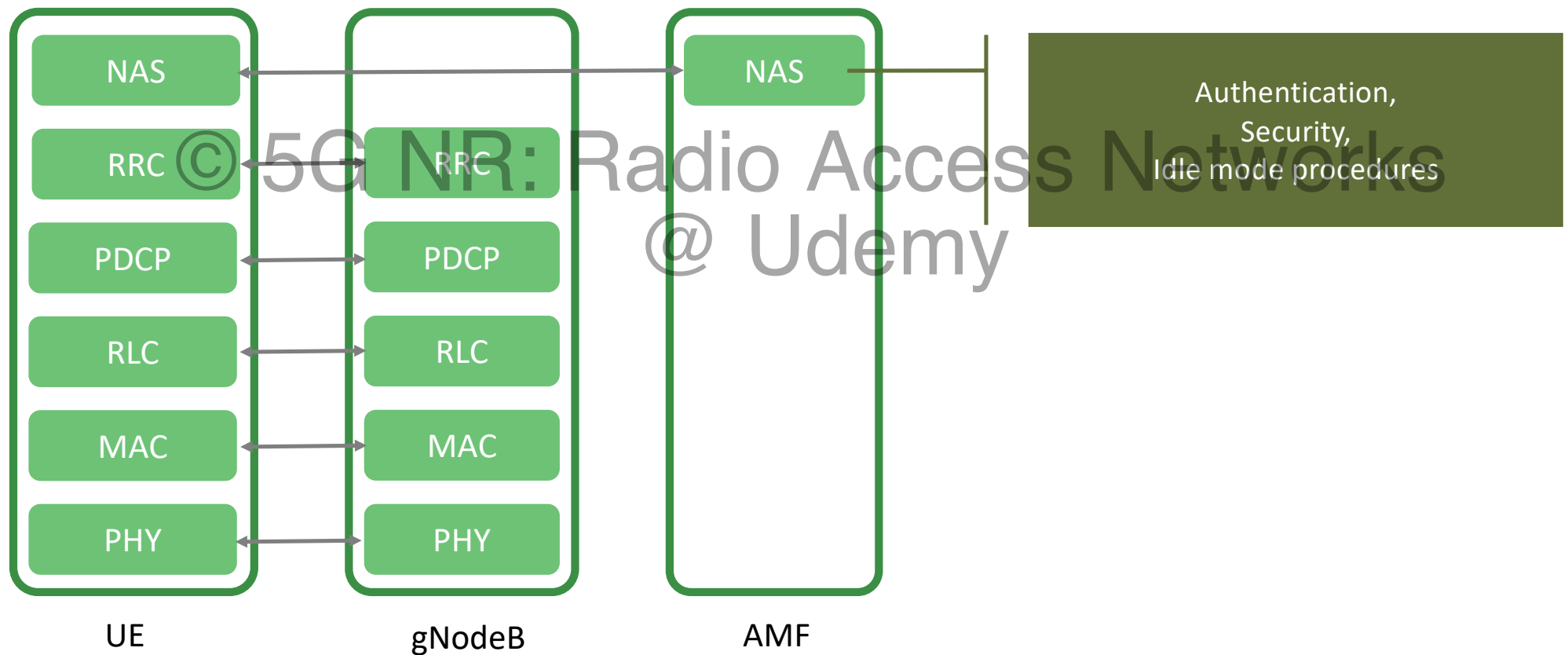
User Plane Protocol Stack



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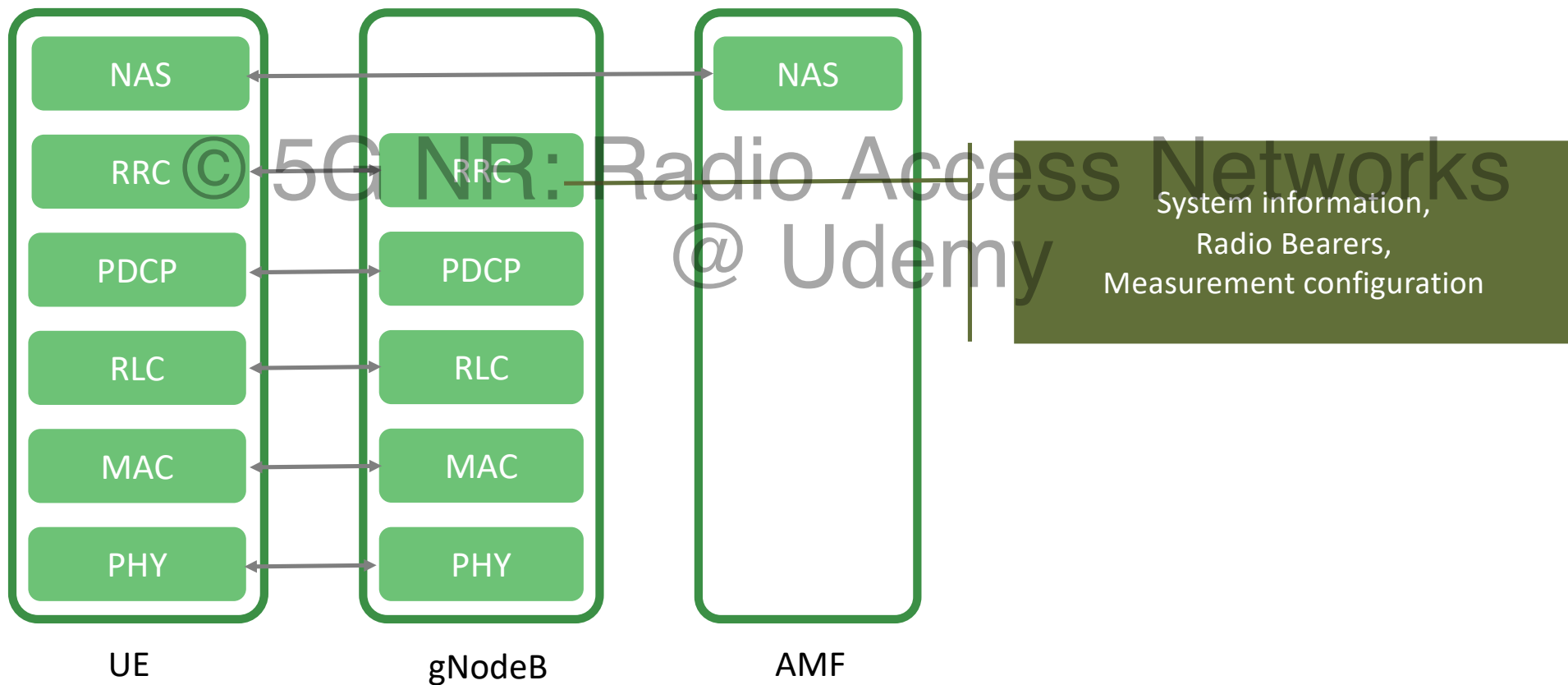
Non-access Stratum (NAS)

Control Plane Protocol Stack



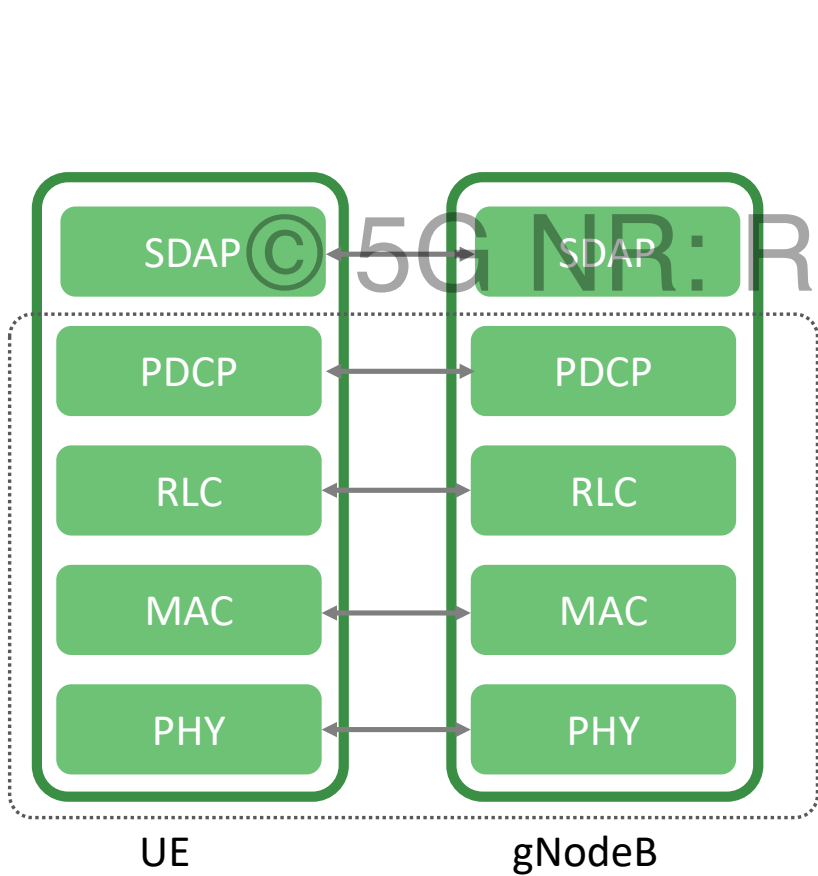
Radio Resource Control

Control Plane Protocol Stack

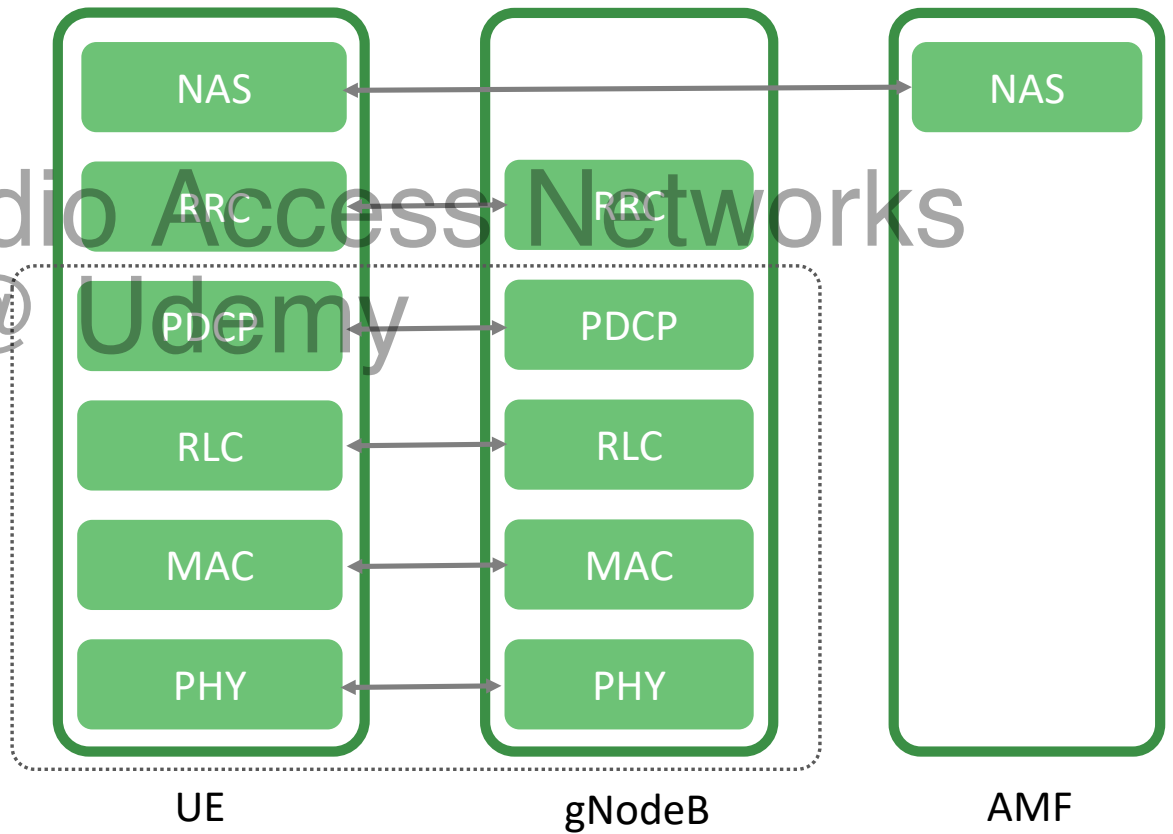


Summary

User Plane Protocol Stack



Control Plane Protocol Stack



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