Session key: mac-ue::0x4601 (mac-ue)

📱 UE | 📡 gNB

📁 **moto_edge_30_pro.pcap**

📤 UL LCID 52 (CCCH (48 bits)) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
📱 UE ID	1024
♻️ HARQ	0
📦 Subheader	LCID:52 6 bytes
📦 Subheader	Padding 3 bytes

💡 [Frame 1] UL-SCH MAC PDU — UE→gNB on PUSCH (generic fallback for LCIDs not matched by a higher-priority template)

📤 UL LCID 63 (Padding) →

🤝 Contention Resolution ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0

💡 [Frame 2] Msg4 UE Contention Resolution — gNB echoes the UE's Msg3 CCCH SDU; the matching UE wins RACH contention and promotes Temporary C-RNTI to C-RNTI

📥 DL LCID 62 (UE Contention Resolution Identity) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	Contention Resolution
📦 Subheader	LCID:0 253 bytes

📥 DL LCID 0 (CCCH) ←

📏 SDU len	253
📦 Subheader	Padding 6 bytes

📥 DL LCID 63 (Padding) ←

📊 Short BSR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📏 BS idx	0

💡 [Frame 3] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

📶 Single-Entry PHR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📡 Type2 other-cell	False
🔋 Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

📤 UL LCID 1 (1) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 96 bytes
📏 SDU len	96
📦 Subheader	Short BSR LCG ID=0 BS=0

📤 UL LCID 61 (Short BSR) →

📊 BSR LCG0 idx	0
📦 Subheader	PHR PH=25 PCMAX_f_c=41

📤 UL LCID 57 (Single Entry PHR) →

📦 Subheader	Padding 424 bytes

📤 UL LCID 63 (Padding) →

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI

💡 [Frame 4] DL-SCH MAC PDU — gNB→UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

Session key: mac-ue::0x4601 (mac-ue)

📱 UE | 📡 gNB

♻️ HARQ	0
📦 Subheader	LCID:1 3 bytes
📏 SDU len	3

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 11 bytes
📏 SDU len	11
📦 Subheader	Padding 1 bytes

📥 DL LCID 63 (Padding) ←

📊 Short BSR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📏 BS idx	0

📶 Single-Entry PHR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📡 Type2 other-cell	False
🔋 Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

📤 UL LCID 1 (1) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 3 bytes
📏 SDU len	3
📦 Subheader	LCID:1 10 bytes

📤 UL LCID 1 (1) →

📏 SDU len	10
📦 Subheader	Short BSR LCG ID=0 BS=0

📤 UL LCID 61 (Short BSR) →

📊 BSR LCG0 idx	0
📦 Subheader	PHR PH=31 PCMAX_f_c=41

📤 UL LCID 57 (Single Entry PHR) →

📦 Subheader	Padding 505 bytes

📤 UL LCID 63 (Padding) →

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 3 bytes
📏 SDU len	3
📦 Subheader	LCID:1 52 bytes

📥 DL LCID 1 (1) ←

📏 SDU len	52
📦 Subheader	Padding 46 bytes

📥 DL LCID 63 (Padding) ←

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI

💡 [Frame 5] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

💡 [Frame 6] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

💡 [Frame 7] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

💡 [Frame 8] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

Session key: mac-ue::0x4601 (mac-ue)

📱 UE | 📡 gNB

♻️ HARQ	1
📦 Subheader	LCID:1 6 bytes
📏 SDU len	6
📦 Subheader	Padding 45 bytes

📥 DL LCID 63 (Padding) ←

📊 Short BSR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📏 BS idx	0

📶 Single-Entry PHR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📡 Type2 other-cell	False
🔋 Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

📤 UL LCID 1 (1) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 3 bytes
📏 SDU len	3
📦 Subheader	LCID:1 21 bytes

📤 UL LCID 1 (1) →

📏 SDU len	21
📦 Subheader	Short BSR LCG ID=0 BS=0

📤 UL LCID 61 (Short BSR) →

📊 BSR LCG0 idx	0
📦 Subheader	PHR PH=31 PCMAX_f_c=41

📤 UL LCID 57 (Single Entry PHR) →

📦 Subheader	Padding 510 bytes

📤 UL LCID 63 (Padding) →

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 3 bytes
📏 SDU len	3
📦 Subheader	Padding 48 bytes

📥 DL LCID 63 (Padding) ←

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 51 bytes
📏 SDU len	51
📦 Subheader	Padding 0 bytes

📥 DL LCID 63 (Padding) ←

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 51 bytes

💡 [Frame 9] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

💡 [Frame 10] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

💡 [Frame 11] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

💡 [Frame 12] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

Session key: mac-ue::0x4601 (mac-ue)

📱 UE | 📡 gNB

SDU len	51
Subheader	Padding 0 bytes

DL LCID 63 (Padding) ←

DL LCID 1 (1) ←

Radio	FDD
RNTI	0x4601
Type	C-RNTI
HARQ	1
Subheader	LCID:1 51 bytes
SDU len	51
Subheader	Padding 0 bytes

💡 [Frame 13] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

DL LCID 63 (Padding) ←

Short BSR →

RNTI	0x4601
Type	C-RNTI
HARQ	0
BS idx	0

💡 [Frame 14] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

Single-Entry PHR →

RNTI	0x4601
Type	C-RNTI
HARQ	0
Type2 other-cell	False
Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

UL LCID 1 (1) →

Radio	FDD
RNTI	0x4601
Type	C-RNTI
HARQ	0
Subheader	LCID:1 21 bytes
SDU len	21
Subheader	Short BSR LCG ID=0 BS=0

UL LCID 61 (Short BSR) →

BSR LCG0 idx	0
Subheader	PHR PH=0 PCMAX_f_c=41

UL LCID 57 (Single Entry PHR) →

Subheader	Padding 148 bytes

UL LCID 63 (Padding) →

DL LCID 1 (1) ←

Radio	FDD
RNTI	0x4601
Type	C-RNTI
HARQ	2
Subheader	LCID:1 3 bytes
SDU len	3
Subheader	Padding 48 bytes

💡 [Frame 15] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

DL LCID 63 (Padding) ←

DL LCID 1 (1) ←

Radio	FDD
RNTI	0x4601
Type	C-RNTI
HARQ	0
Subheader	LCID:1 51 bytes
SDU len	51
Subheader	Padding 6 bytes

💡 [Frame 16] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

DL LCID 63 (Padding) ←

Short BSR →

RNTI	0x4601

💡 [Frame 17] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

Session key: mac-ue::0x4601 (mac-ue)

📱 UE | 📡 gNB

🏷️ Type	C-RNTI
♻️ HARQ	0
📏 BS idx	0

📶 Single-Entry PHR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📡 Type2 other-cell	False
🔋 Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

📤 UL LCID 1 (1) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 3 bytes
📏 SDU len	3
📦 Subheader	Short BSR LCG ID=0 BS=0

📤 UL LCID 61 (Short BSR) →

📊 BSR LCG0 idx	0
📦 Subheader	PHR PH=6 PCMAX_f_c=41

📤 UL LCID 57 (Single Entry PHR) →

📦 Subheader	Padding 549 bytes

📤 UL LCID 63 (Padding) →

📊 Short BSR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📏 BS idx	0

📶 Single-Entry PHR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📡 Type2 other-cell	False
🔋 Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

📤 UL LCID 61 (Short BSR) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	Short BSR LCG ID=0 BS=0
📊 BSR LCG0 idx	0
📦 Subheader	PHR PH=15 PCMAX_f_c=41

📤 UL LCID 57 (Single Entry PHR) →

📦 Subheader	Padding 538 bytes

📤 UL LCID 63 (Padding) →

📊 Short BSR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📏 BS idx	0

📶 Single-Entry PHR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📡 Type2 other-cell	False
🔋 Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

💡 [Frame 18] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

💡 [Frame 19] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

Session key: mac-ue::0x4601 (mac-ue)

📱 UE | 📡 gNB

📤 UL LCID 1 (1) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 93 bytes
📏 SDU len	93
📦 Subheader	Short BSR LCG ID=0 BS=0

📤 UL LCID 61 (Short BSR) →

📊 BSR LCG0 idx	0
📦 Subheader	PHR PH=21 PCMAX_f_c=41

📤 UL LCID 57 (Single Entry PHR) →

📦 Subheader	Padding 443 bytes

📤 UL LCID 63 (Padding) →

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 3 bytes
📏 SDU len	3
📦 Subheader	Padding 48 bytes

📥 DL LCID 63 (Padding) ←

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 11 bytes
📏 SDU len	11
📦 Subheader	Padding 40 bytes

📥 DL LCID 63 (Padding) ←

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 11 bytes
📏 SDU len	11
📦 Subheader	Padding 40 bytes

📥 DL LCID 63 (Padding) ←

📊 Short BSR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0

📶 Single-Entry PHR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📡 Type2 other-cell	False
🔋 Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

📤 UL LCID 1 (1) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 3 bytes

💡 [Frame 20] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

💡 [Frame 21] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

💡 [Frame 22] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

💡 [Frame 23] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

Session key: mac-ue::0x4601 (mac-ue)

📱 UE | 📡 gNB

📏 SDU len	3
📦 Subheader	LCID:1 515 bytes

📤 UL LCID 1 (1) →

📏 SDU len	515
📦 Subheader	Short BSR LCG ID=0 BS=15

📤 UL LCID 61 (Short BSR) →

📦 Subheader	PHR PH=25 PCMAX_f_c=41

📤 UL LCID 57 (Single Entry PHR) →

📊 1 →

🆔 RNTI	0x4601
♻️ HARQ	0

📊 Long BSR →

🪣 LCG7	Not Present
🪣 LCG6	Not Present
🪣 LCG5	Not Present
🪣 LCG4	Not Present
🪣 LCG3	Not Present
🪣 LCG2	Not Present
🪣 LCG1	Not Present
🪣 LCG0	Not Present

📊 Padding →

📤 UL LCID 1 (1) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 963 bytes
📏 SDU len	963
📦 Subheader	Long BSR

📤 UL LCID 62 (Long BSR) →

📏 SDU len	1
📦 Subheader	Padding 119 bytes

📤 UL LCID 63 (Padding) →

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	1
📦 Subheader	LCID:1 3 bytes
📏 SDU len	3
📦 Subheader	Padding 48 bytes

📥 DL LCID 63 (Padding) ←

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	2
📦 Subheader	LCID:1 155 bytes
📏 SDU len	155
📦 Subheader	Padding 3 bytes

📥 DL LCID 63 (Padding) ←

📊 Single Entry PHR →

🆔 RNTI	0x4601
♻️ HARQ	0

📊 Long BSR →

🪣 LCG7	Not Present

💡 [Frame 24] Long (Truncated) Buffer Status Report — UE reports per-LCG buffer occupancy across up to 8 Logical Channel Groups

💡 [Frame 25] DL-SCH MAC PDU — gNB→UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

💡 [Frame 26] DL-SCH MAC PDU — gNB→UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

💡 [Frame 27] Long (Truncated) Buffer Status Report — UE reports per-LCG buffer occupancy across up to 8 Logical Channel Groups

Session key: mac-ue::0x4601 (mac-ue)

📱 UE | 📡 gNB

🪣 LCG6	Not Present
🪣 LCG5	Not Present
🪣 LCG4	Not Present
🪣 LCG3	Not Present
🪣 LCG2	Not Present
🪣 LCG1	Not Present
🪣 LCG0	Not Present

📊 Padding →

📶 Single-Entry PHR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📡 Type2 other-cell	False
🔋 Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

📤 UL LCID 57 (Single Entry PHR) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	PHR PH=22 PCMAX_f_c=41
📦 Subheader	Long BSR

📤 UL LCID 62 (Long BSR) →

📏 SDU len	1
📦 Subheader	Padding 1082 bytes

📤 UL LCID 63 (Padding) →

📊 Short BSR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📏 BS idx	0

📤 UL LCID 1 (1) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 3 bytes
📏 SDU len	3
📦 Subheader	Short BSR LCG ID=0 BS=0

📤 UL LCID 61 (Short BSR) →

📊 BSR LCG0 idx	0
📦 Subheader	Padding 1081 bytes

📤 UL LCID 63 (Padding) →

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 155 bytes
📏 SDU len	155
📦 Subheader	Padding 3 bytes

📥 DL LCID 63 (Padding) ←

📊 Short BSR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📏 BS idx	0

📶 Single-Entry PHR →

💡 [Frame 28] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

💡 [Frame 29] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

💡 [Frame 30] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

Session key: mac-ue::0x4601 (mac-ue)

UE | gNB

RNTI	0x4601
Type	C-RNTI
HARQ	0
Type2 other-cell	False
Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

UL LCID 1 (1) →

Radio	FDD
RNTI	0x4601
Type	C-RNTI
HARQ	0
Subheader	LCID:1 3 bytes
SDU len	3
Subheader	LCID:1 10 bytes

UL LCID 1 (1) →

SDU len	10
Subheader	Short BSR LCG ID=0 BS=0

UL LCID 61 (Short BSR) →

BSR LCG0 idx	0
Subheader	PHR PH=31 PCMAX_f_c=41

UL LCID 57 (Single Entry PHR) →

Subheader	Padding 521 bytes

UL LCID 63 (Padding) →

DL LCID 1 (1) ←

Radio	FDD
RNTI	0x4601
Type	C-RNTI
HARQ	0
Subheader	LCID:1 3 bytes
SDU len	3
Subheader	Padding 48 bytes

DL LCID 63 (Padding) ←

[Frame 31] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

Short BSR →

RNTI	0x4601
Type	C-RNTI
HARQ	0

[Frame 32] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

Single-Entry PHR →

RNTI	0x4601
Type	C-RNTI
HARQ	0
Type2 other-cell	False
Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

UL LCID 4 (4) →

Radio	FDD
RNTI	0x4601
Type	C-RNTI
HARQ	0
Subheader	LCID:4 68 bytes
SDU len	68
Subheader	LCID:4 68 bytes

UL LCID 4 (4) →

SDU len	68
Subheader	LCID:4 396 bytes

UL LCID 4 (4) →

SDU len	396
Subheader	Short BSR LCG ID=1 BS=15

UL LCID 61 (Short BSR) →

Session key: mac-ue::0x4601 (mac-ue)

📱 UE | 📡 gNB

📦 Subheader	PHR PH=31 PCMAX_f_c=41

📤 UL LCID 57 (Single Entry PHR) →

📊 4 →

🆔 RNTI	0x4601
♻️ HARQ	0

📊 Long BSR →

🪣 LCG7	Not Present
🪣 LCG6	Not Present
🪣 LCG5	Not Present
🪣 LCG4	Not Present
🪣 LCG3	Not Present
🪣 LCG2	Not Present
🪣 LCG1	Not Present
🪣 LCG0	Not Present

📊 Padding →

📤 UL LCID 4 (4) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:4 840 bytes
📏 SDU len	840
📦 Subheader	Long BSR

📤 UL LCID 62 (Long BSR) →

📏 SDU len	1
📦 Subheader	Padding 242 bytes

📤 UL LCID 63 (Padding) →

📤 DL LCID 4 (4) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:4 3 bytes
📏 SDU len	3
📦 Subheader	Padding 57 bytes

📤 DL LCID 63 (Padding) ←

📊 Short BSR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📏 BS idx	0

📶 Single-Entry PHR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📡 Type2 other-cell	False
🔋 Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

📤 UL LCID 4 (4) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:4 79 bytes
📏 SDU len	79
📦 Subheader	Short BSR LCG ID=0 BS=0

📤 UL LCID 61 (Short BSR) →

📊 BSR LCG0 idx	0

💡 [Frame 33] Long (Truncated) Buffer Status Report — UE reports per-LCG buffer occupancy across up to 8 Logical Channel Groups

💡 [Frame 34] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

💡 [Frame 35] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

Session key: mac-ue::0x4601 (mac-ue)

📱 UE | 📡 gNB

📦 Subheader	PHR PH=28 PCMAX_f_c=41

📤 UL LCID 57 (Single Entry PHR) →

📦 Subheader	Padding 1002 bytes

📤 UL LCID 63 (Padding) →

📊 Short BSR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📏 BS idx	0

💡 [Frame 36] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

📶 Single-Entry PHR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📡 Type2 other-cell	False
🔋 Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

📤 UL LCID 4 (4) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:4 66 bytes
📏 SDU len	66
📦 Subheader	LCID:4 64 bytes

📤 UL LCID 4 (4) →

📏 SDU len	64
📦 Subheader	Short BSR LCG ID=0 BS=0

📤 UL LCID 61 (Short BSR) →

📊 BSR LCG0 idx	0
📦 Subheader	PHR PH=31 PCMAX_f_c=41

📤 UL LCID 57 (Single Entry PHR) →

📦 Subheader	Padding 404 bytes

📤 UL LCID 63 (Padding) →

📥 DL LCID 4 (4) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:4 3 bytes
📏 SDU len	3
📦 Subheader	Padding 57 bytes

💡 [Frame 37] DL-SCH MAC PDU — gNB→UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

📥 DL LCID 63 (Padding) ←

📊 Short BSR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📏 BS idx	0

💡 [Frame 38] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

📶 Single-Entry PHR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📡 Type2 other-cell	False
🔋 Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

📤 UL LCID 4 (4) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI

Session key: mac-ue::0x4601 (mac-ue)

📱 UE | 📡 gNB

♻️ HARQ	0
📦 Subheader	LCID:4 66 bytes
📏 SDU len	66
📦 Subheader	LCID:4 86 bytes

📤 UL LCID 4 (4) →

📏 SDU len	86
📦 Subheader	LCID:4 70 bytes

📤 UL LCID 4 (4) →

📏 SDU len	70
📦 Subheader	Short BSR LCG ID=0 BS=0

📤 UL LCID 61 (Short BSR) →

📊 BSR LCG0 idx	0
📦 Subheader	PHR PH=31 PCMAX_f_c=41

📤 UL LCID 57 (Single Entry PHR) →

📦 Subheader	Padding 310 bytes

📤 UL LCID 63 (Padding) →

📤 DL LCID 4 (4) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:4 3 bytes
📏 SDU len	3
📦 Subheader	Padding 38 bytes

📤 DL LCID 63 (Padding) ←

📊 Short BSR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0

📶 Single-Entry PHR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📡 Type2 other-cell	False
🔋 Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

📤 UL LCID 4 (4) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:4 536 bytes
📏 SDU len	536
📦 Subheader	Short BSR LCG ID=1 BS=14

📤 UL LCID 61 (Short BSR) →

📦 Subheader	PHR PH=30 PCMAX_f_c=41

📤 UL LCID 57 (Single Entry PHR) →

📊 4 →

🆔 RNTI	0x4601
♻️ HARQ	0

📊 Long BSR →

🪣 LCG7	Not Present
🪣 LCG6	Not Present
🪣 LCG5	Not Present
🪣 LCG4	Not Present
🪣 LCG3	Not Present
🪣 LCG2	Not Present

💡 [Frame 39] DL-SCH MAC PDU — gNB→UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

💡 [Frame 40] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

💡 [Frame 41] Long (Truncated) Buffer Status Report — UE reports per-LCG buffer occupancy across up to 8 Logical Channel Groups

Session key: mac-ue::0x4601 (mac-ue)

📱 UE | 📡 gNB

🪣 LCG1	Not Present
🪣 LCG0	Not Present

📊 Padding →

📤 UL LCID 4 (4) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:4 700 bytes
📏 SDU len	700
📦 Subheader	Long BSR

📤 UL LCID 62 (Long BSR) →

📏 SDU len	1
📦 Subheader	Padding 109 bytes

📤 UL LCID 63 (Padding) →

📥 DL LCID 4 (4) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:4 3 bytes
📏 SDU len	3
📦 Subheader	Padding 38 bytes

📥 DL LCID 63 (Padding) ←

📊 Short BSR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📏 BS idx	0

📶 Single-Entry PHR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📡 Type2 other-cell	False
🔋 Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

📤 UL LCID 4 (4) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:4 64 bytes
📏 SDU len	64
📦 Subheader	Short BSR LCG ID=0 BS=0

📤 UL LCID 61 (Short BSR) →

📊 BSR LCG0 idx	0
📦 Subheader	PHR PH=29 PCMAX_f_c=41

📤 UL LCID 57 (Single Entry PHR) →

📦 Subheader	Padding 744 bytes

📤 UL LCID 63 (Padding) →

📊 Short BSR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📏 BS idx	0

📶 Single-Entry PHR →

🆔 RNTI	0x4601

💡 [Frame 42] DL-SCH MAC PDU — gNB→UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

💡 [Frame 43] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

💡 [Frame 44] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

Session key: mac-ue::0x4601 (mac-ue)

📱 UE | 📡 gNB

🏷️ Type	C-RNTI
♻️ HARQ	0
📡 Type2 other-cell	False
🔋 Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

📤 UL LCID 4 (4) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:4 64 bytes
📏 SDU len	64
📦 Subheader	Short BSR LCG ID=0 BS=0

📤 UL LCID 61 (Short BSR) →

📊 BSR LCG0 idx	0
📦 Subheader	PHR PH=30 PCMAX_f_c=41

📤 UL LCID 57 (Single Entry PHR) →

📦 Subheader	Padding 472 bytes

📤 UL LCID 63 (Padding) →

📥 DL LCID 4 (4) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:4 3 bytes
📏 SDU len	3
📦 Subheader	Padding 48 bytes

📥 DL LCID 63 (Padding) ←

💡 [Frame 45] DL-SCH MAC PDU — gNB→UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

📊 Short BSR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0

📶 Single-Entry PHR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📡 Type2 other-cell	False
🔋 Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

💡 [Frame 46] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

📤 UL LCID 4 (4) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:4 536 bytes
📏 SDU len	536
📦 Subheader	Short BSR LCG ID=1 BS=17

📤 UL LCID 61 (Short BSR) →

📦 Subheader	PHR PH=30 PCMAX_f_c=41

📤 UL LCID 57 (Single Entry PHR) →

📊 4 →

🆔 RNTI	0x4601
♻️ HARQ	0

📊 4 →

📊 Long BSR →

🪣 LCG7	Not Present
🪣 LCG6	Not Present
🪣 LCG5	Not Present

💡 [Frame 47] Long (Truncated) Buffer Status Report — UE reports per-LCG buffer occupancy across up to 8 Logical Channel Groups

Session key: mac-ue::0x4601 (mac-ue)

📱 UE | 📡 gNB

🪣 LCG4	Not Present
🪣 LCG3	Not Present
🪣 LCG2	Not Present
🪣 LCG1	Not Present
🪣 LCG0	Not Present

📊 Padding →

📤 UL LCID 4 (4) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:4 700 bytes
📏 SDU len	700
📦 Subheader	LCID:4 1232 bytes

📤 UL LCID 4 (4) →

📏 SDU len	1232
📦 Subheader	Long BSR

📤 UL LCID 62 (Long BSR) →

📏 SDU len	1
📦 Subheader	Padding 170 bytes

📤 UL LCID 63 (Padding) →

📥 DL LCID 4 (4) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:4 3 bytes
📏 SDU len	3
📦 Subheader	Padding 13 bytes

📥 DL LCID 63 (Padding) ←

💡 [Frame 48] DL-SCH MAC PDU — gNB⊠UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

📊 Single Entry PHR →

🆔 RNTI	0x4601
♻️ HARQ	0

📊 Long BSR →

🪣 LCG7	Not Present
🪣 LCG6	Not Present
🪣 LCG5	Not Present
🪣 LCG4	Not Present
🪣 LCG3	Not Present
🪣 LCG2	Not Present
🪣 LCG1	Not Present
🪣 LCG0	Not Present

📊 Padding →

📶 Single-Entry PHR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📡 Type2 other-cell	False
🔋 Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

💡 [Frame 49] Long (Truncated) Buffer Status Report — UE reports per-LCG buffer occupancy across up to 8 Logical Channel Groups

📤 UL LCID 57 (Single Entry PHR) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	PHR PH=24 PCMAX_f_c=41
📦 Subheader	Long BSR

📤 UL LCID 62 (Long BSR) →

Session key: mac-ue::0x4601 (mac-ue)

📱 UE | 📡 gNB

📏 SDU len	1
📦 Subheader	Padding 2105 bytes

📤 UL LCID 63 (Padding) →

📊 Long BSR →

🆔 RNTI	0x4601
♻️ HARQ	0
🪣 LCG7	Not Present
🪣 LCG6	Not Present
🪣 LCG5	Not Present
🪣 LCG4	Not Present
🪣 LCG3	Not Present
🪣 LCG2	Not Present
🪣 LCG1	Not Present
🪣 LCG0	Not Present

📊 Padding →

📤 UL LCID 62 (Long BSR) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	Long BSR
📏 SDU len	1
📦 Subheader	Padding 2108 bytes

📤 UL LCID 63 (Padding) →

📊 Short BSR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📏 BS idx	0

📶 Single-Entry PHR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📡 Type2 other-cell	False
🔋 Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

📤 UL LCID 4 (4) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:4 64 bytes
📏 SDU len	64
📦 Subheader	LCID:4 64 bytes

📤 UL LCID 4 (4) →

📏 SDU len	64
📦 Subheader	Short BSR LCG ID=0 BS=0

📤 UL LCID 61 (Short BSR) →

📊 BSR LCG0 idx	0
📦 Subheader	PHR PH=24 PCMAX_f_c=41

📤 UL LCID 57 (Single Entry PHR) →

📦 Subheader	Padding 1974 bytes

📤 UL LCID 63 (Padding) →

📥 DL LCID 4 (4) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0

💡 [Frame 50] Long (Truncated) Buffer Status Report — UE reports per-LCG buffer occupancy across up to 8 Logical Channel Groups

💡 [Frame 51] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

💡 [Frame 52] DL-SCH MAC PDU — gNB→UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

Session key: mac-ue::0x4601 (mac-ue)

📱 UE | 📡 gNB

📦 Subheader	LCID:4 3 bytes
📏 SDU len	3
📦 Subheader	Padding 9 bytes

📥 DL LCID 63 (Padding) ←

📊 Short BSR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📏 BS idx	0

💡 [Frame 53] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

📶 Single-Entry PHR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📡 Type2 other-cell	False
🔋 Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

📤 UL LCID 1 (1) →

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 32 bytes
📏 SDU len	32
📦 Subheader	Short BSR LCG ID=0 BS=0

📤 UL LCID 61 (Short BSR) →

📊 BSR LCG0 idx	0
📦 Subheader	PHR PH=27 PCMAX_f_c=41

📤 UL LCID 57 (Single Entry PHR) →

📦 Subheader	Padding 504 bytes

📤 UL LCID 63 (Padding) →

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 3 bytes
📏 SDU len	3
📦 Subheader	Padding 48 bytes

💡 [Frame 54] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

📥 DL LCID 63 (Padding) ←

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	1
📦 Subheader	LCID:1 31 bytes
📏 SDU len	31
📦 Subheader	Padding 20 bytes

💡 [Frame 55] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

📥 DL LCID 63 (Padding) ←

📊 Short BSR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📏 BS idx	0

💡 [Frame 56] Short Buffer Status Report — UE reports queued UL data for one Logical Channel Group

📶 Single-Entry PHR →

🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📡 Type2 other-cell	False

Session key: mac-ue::0x4601 (mac-ue)

UE | gNB

Pcmax	11 dBm <= Pcmax,f,c < 12 dBm [idx 41]

UL LCID 1 (1) →

Radio	FDD
RNTI	0x4601
Type	C-RNTI
HARQ	0
Subheader	LCID:1 3 bytes
SDU len	3
Subheader	LCID:1 35 bytes

UL LCID 1 (1) →

SDU len	35
Subheader	Short BSR LCG ID=0 BS=0

UL LCID 61 (Short BSR) →

BSR LCG0 idx	0
Subheader	PHR PH=27 PCMAX_f_c=41

UL LCID 57 (Single Entry PHR) →

Subheader	Padding 496 bytes

UL LCID 63 (Padding) →

DL LCID 1 (1) ←

[Frame 57] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

Radio	FDD
RNTI	0x4601
Type	C-RNTI
HARQ	0
Subheader	LCID:1 3 bytes
SDU len	3
Subheader	Padding 38 bytes

DL LCID 63 (Padding) ←

DL LCID 1 (1) ←

[Frame 58] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

Radio	FDD
RNTI	0x4601
Type	C-RNTI
HARQ	0
Subheader	LCID:1 10 bytes
SDU len	10
Subheader	Padding 31 bytes

DL LCID 63 (Padding) ←

DL LCID 1 (1) ←

[Frame 59] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

Radio	FDD
RNTI	0x4601
Type	C-RNTI
HARQ	1
Subheader	LCID:1 10 bytes
SDU len	10
Subheader	Padding 31 bytes

DL LCID 63 (Padding) ←

DL LCID 1 (1) ←

[Frame 60] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

Radio	FDD
RNTI	0x4601
Type	C-RNTI
HARQ	0
Subheader	LCID:1 10 bytes
SDU len	10
Subheader	Padding 31 bytes

DL LCID 63 (Padding) ←

DL LCID 1 (1) ←

[Frame 61] DL-SCH MAC PDU — gNB UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

Radio	FDD
RNTI	0x4601

Session key: mac-ue::0x4601 (mac-ue)

📱 UE | 📡 gNB

🏷️ Type	C-RNTI
♻️ HARQ	1
📦 Subheader	LCID:1 10 bytes
📏 SDU len	10
📦 Subheader	Padding 31 bytes

📥 DL LCID 63 (Padding) ←

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 10 bytes
📏 SDU len	10
📦 Subheader	Padding 31 bytes

💡 [Frame 62] DL-SCH MAC PDU — gNB⍰UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

📥 DL LCID 63 (Padding) ←

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	1
📦 Subheader	LCID:1 10 bytes
📏 SDU len	10
📦 Subheader	Padding 31 bytes

💡 [Frame 63] DL-SCH MAC PDU — gNB⍰UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

📥 DL LCID 63 (Padding) ←

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	2
📦 Subheader	LCID:1 10 bytes
📏 SDU len	10
📦 Subheader	Padding 31 bytes

💡 [Frame 64] DL-SCH MAC PDU — gNB⍰UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

📥 DL LCID 63 (Padding) ←

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	1
📦 Subheader	LCID:1 10 bytes
📏 SDU len	10
📦 Subheader	Padding 31 bytes

💡 [Frame 65] DL-SCH MAC PDU — gNB⍰UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

📥 DL LCID 63 (Padding) ←

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	2
📦 Subheader	LCID:1 10 bytes
📏 SDU len	10
📦 Subheader	Padding 31 bytes

💡 [Frame 66] DL-SCH MAC PDU — gNB⍰UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

📥 DL LCID 63 (Padding) ←

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	1
📦 Subheader	LCID:1 10 bytes
📏 SDU len	10
📦 Subheader	Padding 31 bytes

💡 [Frame 67] DL-SCH MAC PDU — gNB⍰UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

Session key: mac-ue::0x4601 (mac-ue)

📱 UE	📡 gNB

📥 DL LCID 63 (Padding) ←

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	1
📦 Subheader	LCID:1 10 bytes
📏 SDU len	10
📦 Subheader	Padding 31 bytes

💡 [Frame 68] DL-SCH MAC PDU — gNB→UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

📥 DL LCID 63 (Padding) ←

📥 DL LCID 1 (1) ←

📐 Radio	FDD
🆔 RNTI	0x4601
🏷️ Type	C-RNTI
♻️ HARQ	0
📦 Subheader	LCID:1 10 bytes
📏 SDU len	10
📦 Subheader	Padding 31 bytes

💡 [Frame 69] DL-SCH MAC PDU — gNB→UE on PDSCH (generic fallback for LCIDs not matched by a higher-priority template)

📥 DL LCID 63 (Padding) ←

Session Result: incomplete - mid-capture (duration: 5.556s)