

UE

AMF

simcom-sim8262e-m2.pcap

NAS Registration Request

ID RNTI	0x4601
FOR	Follow-on request pending
Reg type	initial registration
TSC	Native security context (for KSIAMF)
KSI	3
Mobile ID	5G-GUTI
MCC	Test network (001)
MNC	Test network (01)
AMF Region	2
AMF Set	1
AMF Pointer	0
5G-TMSI	0xfa003e0f

[Frame 3] NAS Registration Request - UE initiates 5GS registration with the AMF; carries SUCI or 5G-S-TMSI, requested NSSAI, and 5GMM capability

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AMF Set	1
AMF Pointer	0
5G-TMSI	0xfa003e0f

NAS Registration Accept

ID RNTI	0x4601
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[Frame 8] NAS Registration Accept - AMF accepts UE registration; assigns 5G-GUTI, allowed NSSAI, TAI list

DL Ciphered NAS

ID RNTI	0x4601
SEQ	81

NAS Registration Complete

ID RNTI	0x4601
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[Frame 9] NAS Registration Complete - UE acknowledges Registration Accept; 5GMM-REGISTERED state reached

UL Ciphered NAS

ID RNTI	0x4601
SEQ	88

UL NAS Transport

ID RNTI	0x4601
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[Frame 11] UL NAS Transport - UE-AMF envelope for SM messages (PDU Session Establishment Request, Modification Request, etc.)

PDU Session Establishment Request

ID RNTI	0x4601
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UL Ciphered NAS

ID RNTI	0x4601
SEQ	89

DL Ciphered NAS

ID RNTI	0x4601
SEQ	82

[Frame 13] Ciphered NAS - security header type 2; the inner mm/sm message_type is encrypted, only the security envelope is dissectable

DL Ciphered NAS

ID RNTI	0x4601
SEQ	83

[Frame 14] Ciphered NAS - security header type 2; the inner mm/sm message_type is encrypted, only the security envelope is dissectable

UL NAS Transport

ID RNTI	0x4601
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[Frame 17] UL NAS Transport - UE-AMF envelope for SM messages (PDU Session Establishment Request, Modification Request, etc.)

