NOKIA

5G NR SA Signaling with 5GC Call flow traces quiz.

Understand 5G Protocols and Signaling

TP00005-V-0003 S03M04

NOKIA

Section 1   5G NR SA Signaling with 5GC Call flow traces quiz.

For these exercises we are using the presentation marked as S02M05 SA_e2e_Call.

> **Objectives**
> At the end of this knowledge check, you will be able to:
> * Evaluate your understanding about 5G NR SA e2e signaling with 5GC traces.

5G NR SA Signaling with 5GC traces (pcap)
According to the traces listed in the presentation. Open the traces if needed and expand the transactions (IP Traffic Capture 508_20210325T172703).

1. What is the value of the RRCEstablishmentCause?

2. Is the 5G-EA4 encryption algorithm during the Security Mode transaction?

3. Which are the values corresponding to the PLMN Identity (MCC, MNC and TAI)?

4. Which message transaction carries the GUAMI, and which AMF values are listed in the trace?

5. Which IE confirms the InitialContextSetup has been successfully completed?

5G NR SA Signaling with 5GC traces (html)

According to the traces listed in the presentation. Open the traces if needed and expand the transactions (gNB508_Cplane_1730_0).

6. What IEs are contained in dlInformationTransfer?

7. What is the value of the RAN-UE-NGAP-ID, which message contain this IE?

8. Which are the values of each component of the AllowedNSSAI IE?

9. What is the assigned qosFlowIdentifier after InitialContextSetupResponse?

10. During RRCReconfiguration, which are the allocated ciphering and Integrity Protection Algorithms?

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