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

Understand 5G Protocols and Signaling

TP00005-V-0003 S03M03

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

1. What is the purpose of the T300 timer?
  - a) To allocate the temporary C-RNTI
  - b) To start decoding the PDCCH for the C-RNTI
  - c) To wait for the RRC Setup message from the network.
  - d) None of the above
2. What is the random identity range assigned to the UE during the content resolution?
  - a)  $0 - 2^{39}-1$
  - b)  $2 - 2^{39}-1$
  - c)  $0 - 65535$
  - d)  $2 - 15345973$
3. Which entity contains the previous UE Context information?
  - a) AUSF
  - b) New AMF
  - c) UDM
  - d) Old AMF
4. Which 5G Core interface is used for the "PFCP Session modification request"?
  - a) N1
  - b) N2
  - c) N3
  - d) N4
5. Which entity derives the KUPInt key?
  - a) The SN-gNB
  - b) The UE
  - c) The MN-eNB
  - d) None of the above
6. In which step the New AMF requests the authentication vectors from the AUSF?
  - a) Nudm\_UEAuthenticate\_Get response
  - b) Nausf\_UEAuthenticate\_authenticate response
  - c) Nausf\_UEAuthenticate\_authenticate request
  - d) Nudm\_UEAuthenticate\_Get request
7. What is the best description for the "NAS security Mode command"?
  - a) The UE responds back to the New AMF, IEs are: Security header type, Authentication response message identity, Authentication response parameter, etc.
  - b) The UDM generates the Authentication Vectors and prepares to send a response message.
  - c) The UE responds with the completion of the NAS security procedure. The IMEISV is also forwarded, according to TS 24.501

- d) Based on TS 24.501, the New AMF sends the NAS Security Algorithm selection, in addition to the IMEISV request.
- 8. In which procedure the Old AMF deletes the UE context?
  - a) UE – AMF – UDM Registration.
  - b) Diameter PCF Association and AMF Subscription.
  - c) UE context from Old AMF to New AMF.
  - d) 5G – NR RRC Reconfiguration
- 9. Which entity performs the PCF Selection?
  - a) UDM
  - b) New AMF
  - c) Old AMF
  - d) SMF
- 10. Which entity allocates the UE IP address?
  - a) New AMF
  - b) UDM
  - c) SMF
  - d) AUSF
- 11. In which step is determined if the UE is blacklisted?
  - a) During the “UE Context Subscription Data”
  - b) During the N5g-eir\_EquipmentIdentityCheck Response
  - c) During the “Namf\_Communication\_RegistrationCompleteNotify”
  - d) UDM Selection
- 12. Which value is expected for a successful subscription during the Namf\_EventExpose\_Subscribe Response?
  - a) “404 Not Found”
  - b) “403 Forbidden”
  - c) “201 created”
  - d) None of the above
- 13. In which step the UE gains the state of RRC Connected?
  - a) RRC Connected Complete
  - b) RRC Connected
  - c) T300 timer stop
  - d) RRC Connection Reconfiguration Complete
- 14. Is the ngKSI sent to the UE?
  - a) True
  - b) False
- 15. Which entity selects the UPF?
  - a) Old AMF
  - b) UDM
  - c) AUSF
  - d) SMF

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