

4A0-M10^{Q&As}

Nokia 5G Packet Core Architecture

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QUESTION 1

Which of the following actions is performed when an idle UE moves from 5GS to EPS and the N26 interface is used?

- A. UE initiates an Attach procedure and includes an EPS-GUTI derived from its 5G-GUTI.
- B. For any PDU session that supports interworking, the serving SMF provides an SM context that includes mapped EPS bearers to the AMF.
- C. AMF selects an SGW to serve the UE, and then sets up the required S5-U and S5-C GTP tunnels on the selected SGW.
- D. AMF uses the EPS-GUTI derived from the UE 5G-GUTI to discover the MME, and then provides the UE context to the MME.

Correct Answer: C

QUESTION 2

Which of the following statements about N2-based handover in 5GS is FALSE?

- A. Handover signaling messages are exchanged between source and target NG-RAN nodes through AMF.
- B. The serving AMF determines if it can continue to serve the UE and select a target AMF when required.
- C. The serving SMF determines if the UPF terminating N3 can continue to serve the UE and selects a target I-UPF when required.
- D. The SMF decides whether a direct or indirect downlink data forwarding path is to be used.

Correct Answer: C

QUESTION 3

Which of the following is an HTTP method used by an NF service consumer to create a new resource at an NF service producer when the resource URI is selected by the consumer?

- A. POST
- B. PUT
- C. PATCH
- D. UPDATE

Correct Answer: B

Reference: https://www.tech-invite.com/3m29/toc/tinv-3gpp-29-501_c.html

QUESTION 4

Which of the following actions is NOT performed when handling an uplink data packet?

- A. UE maps the uplink data packet to a QoS Flow based on QoS rules received from SMF.
- B. UE maps the QoS Flow identifier to a data radio bearer based on QFI-to-DRB mapping received from NG-RAN.
- C. NG-RAN marks the data packet with the proper DSCP value.
- D. NG-RAN removes the QoS Flow identifier from the packet header and forwards the packet over the proper N3 GTP-U tunnel.

Correct Answer: A

QUESTION 5

Which of the following does NOT apply to an idle UE in MICO mode?

- A. The UE performs registration updates.
- B. The UE connects to the network to send uplink data.
- C. Power and signaling efficiency is optimized for the UE.
- D. The UE listens and responds to paging.

Correct Answer: D

Reference: <https://blog.3g4g.co.uk/2020/07/mobile-initiated-connection-only-mico.html>

QUESTION 6

Which of the following statements about Option 3X dual connectivity is FALSE?

- A. VoLTE traffic is handled by the LTE network.
- B. Dual connectivity is used for high throughput services such as eMBB.
- C. When NR radio quality becomes sub-optimal, gNB decides to split the bearer.
- D. Both eNB and gNB are connected with S1-U interfaces to SGW.

Correct Answer: A

QUESTION 7

A UE is handed off from gNB1 to gNB2 using an N2-based handover procedure. The source I-UPF is to be relocated and an indirect data forwarding path is to be used. Which of the following statements is TRUE?

- A. AMF decides that an indirect data forwarding path is required and sends an indication to SMF.
- B. gNB2 tunnel info is allocated for the indirect forwarding path and is included in the Handover Request Ack message sent to AMF.
- C. Target I-UPF tunnel info is allocated for the indirect forwarding path and is provided to the UPF PSA.
- D. UPF PSA tunnel info is allocated for the indirect forwarding path and is provided to the source I-UPF.

Correct Answer: A

QUESTION 8

Which of the following statements regarding the 5G security components is FALSE?

- A. The authentication credential repository and processing function (ARPF) selects the authentication method to use for the UE.
- B. The authentication server function (AUSF) handles authentication requests for both 3GPP and non3GPP access.
- C. The security anchor function (SEAF) makes the final decision on UE authentication.
- D. The security identifier de-concealing function (SIDF) decrypts the UE's SUCI to obtain its corresponding SUPI.

Correct Answer: D

Reference: https://www.etsi.org/deliver/etsi_ts/133500_133599/133501/15.02.00_60/ts_133501v150200p.pdf

QUESTION 9

Which of the following statements about 5G NG-RAN is FALSE?

- A. The Xn interface is used to connect gNB to ng-eNB.
- B. The NG interface is used to connect ng-eNB to UPF.
- C. The Xn interface is used to connect ng-eNB to AMF.
- D. The NG interface is used to connect gNB to NGC.

Correct Answer: A

Reference: https://www.etsi.org/deliver/etsi_ts/138400_138499/138401/15.02.00_60/ts_138401v150200p.pdf (12)

QUESTION 10

Which of the following best describes the Secondary Node Addition procedure?

- A. Used to transfer bearer contexts from the master eNB to the secondary gNB.
- B. Used to establish a UE context at the gNB for a UE that supports option 3X.
- C. Used to establish connectivity from the gNB to the EPC.
- D. Used to establish an X2 connection between the eNB and gNB.

Correct Answer: D

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