

# 4A0-M10<sup>Q&As</sup>

Nokia 5G Packet Core Architecture

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### QUESTION 1

Which of the following best describes the function of a PDU session flow classifier?

- A. An SMF that dynamically inserts and removes uplink classifiers (UL CL) at the UPFs.
- B. An SMF that dynamically inserts and removes UL CL at the UE.
- C. A UPF that terminates the N6 interface towards the data network.
- D. A UPF that filters uplink traffic according to UL CL rules provided by the SMF.

Correct Answer: A

Reference: <https://www.metaswitch.com/knowledge-center/reference/what-is-the-5g-user-plane-function-upf>

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### QUESTION 2

Which of the following actions related to slicing is NOT performed during UE initial registration procedure?

- A. An AMF that supports the requested NSSAI is selected to serve the UE.
- B. AMF receives an AMF set from NSSF.
- C. AMF receives a list of SMFs which support the requested NSSAI from NRF.
- D. UE receives the allowed NSSAI from AMF.

Correct Answer: B

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### QUESTION 3

Which of the following actions is NOT performed during an Xn-based Inter NG-RAN Handover with I-UPF Insertion procedure?

- A. AMF determines that a new I-UPF needs to be added for a PDU session.
- B. SMF provides N3 tunnel info of I-UPF to target gNB via AMF.
- C. SMF provides N9 tunnel info of UPF PSA to I-UPF.
- D. SMF provides N9 tunnel info of I-UPF to UPF PSA.

Correct Answer: B

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**QUESTION 4**

The exhibit below displays a packet capture of the PFCP Session Modification Request message sent during a PDU Session Establishments procedure. What do the highlighted TEID and IP Address refer to?

Source	Destination	Protocol	Length	Info
SMF	UPF	PFCP	198	PFCP Session Modification Request
Message Type: PFCP Session Modification Request (52) Length: 152 SEID: 0x000000000001a100 Sequence Number: 786434 Spare: 0				
v Update FAR : [Grouped IE] IE Type: Update FAR (10) IE Length: 62 > FAR ID: Dynamic by CP 537198592				
v Apply Action: IE Type: Apply Action (44) IE Length: 1 > Flags: 0x02, FORM (Forward)				
v Update Forwarding Parameters : [Grouped IE] IE Type: Update Forwarding Parameters (11) IE Length: 45 > Destination Interface : Access > Network Instance : n3-default				
v Outer Header Creation : IE Type: Outer Header Creation (84) IE Length: 10 Outer Header Creation Description: GTP-U/UDP/IPv4 (256)				
<div style="border: 2px solid red; padding: 2px;">                         TEID: 0x10000001                          IPv4 Address: 10.10.100.32 (10.10.100.32)                     </div>				

- A. The N3 TEID allocated by gNB and the gNB IP address.
- B. The N3 TEID allocated by UPF and the UPF IP address.
- C. The N3 TEID allocated by SMF and the SMF IP address.
- D. The N3 TEID allocated by SMF and the UPF IP address.

Correct Answer: D

**QUESTION 5**

Which of the following statements most accurately describes the SDF templates used in 5G?

- A. SDF templates are used by UE to map uplink traffic to QoS Flows.
- B. SDF templates are used by NG-RAN to map QoS Flows to data radio bearers.
- C. SDF templates are used by NG-RAN to map QoS Flows to N3 GTP-U tunnels.
- D. SDF templates are used by UPF to map downlink traffic to QoS Flows.

Correct Answer: D

Reference: <https://ec.europa.eu/research/participants/documents/downloadPublic?documentIds=080166e5b9aa8c49&andappId=PPGMS>

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### QUESTION 6

Which of the following statements about the downlink user plane data flow in Option 3X is FALSE?

- A. Data packets of bearers that do not use dual connectivity are sent from EPC to UE through eNB.
- B. When NR coverage is good, data packets of bearers that use dual connectivity are sent from EPC to UE using secondary cell group bearers.
- C. When NR coverage degrades, the gNB decides when to use split bearers and send some of the packets received from the core through eNB.
- D. When NR coverage is poor, data packets of bearers that use dual connectivity are sent to the UE through eNB.

Correct Answer: D

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### QUESTION 7

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

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### QUESTION 8

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

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#### QUESTION 9

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

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#### QUESTION 10

In which of the following scenarios is the Service Request procedure performed?

- A. A deregistered UE needs to register with the network.
- B. A registered UE receives a paging request from the network.
- C. A registered UE needs to establish a new PDU session.
- D. A deregistered UE needs to connect to the network using non-3GPP access.

Correct Answer: C