



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

Nokia 5G Packet Core Architecture

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**QUESTION 1**

Which of the following statements about session aggregate maximum bit rate (session-AMBR) is FALSE?

- A. Session-AMBR limits the aggregate bit rate provided across all non-GBR QoS Flows of a PDU session.
- B. SMF calculates the session-AMBR value to be enforced.
- C. The UPF that terminates the N6 interface enforces the session-AMBR value in the downlink direction.
- D. NG-RAN enforces the session-AMBR in the uplink direction.

Correct Answer: C

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**QUESTION 2**

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 3**

Which of the following is NOT an EDCE5 core enhancement to support Option 3X?

- A. Support for higher data rates for EPC interfaces.
- B. MME selection of appropriate gateways capable of supporting NR.
- C. PGW selection of appropriate PCRF that supports 5G policies.
- D. Controlled UE access to NR based upon subscription information.

Correct Answer: A

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**QUESTION 4**

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&appId=PPGMS>

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**QUESTION 5**

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

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**QUESTION 6**

Which of the following statements about QoS profiles used in 5G is FALSE?

- A. SMF derives the QoS profile of a QoS Flow from a PCC rule and sends it to NG-RAN.
- B. NG-RAN uses the QoS profiles to create mapping between QoS Flow IDs and data radio bearers.
- C. NG-RAN sends the QoS profiles and corresponding QoS Flow IDs to the UE.
- D. Each QoS profile includes a 5G QoS Identifier (5QI) and an Allocation and Retention Priority (ARP).

Correct Answer: C

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**QUESTION 7**



Which of the following is NOT an advantage of the 5GS service-based architecture?

- A. Application programming interfaces (APIs) are used to invoke services.
- B. Service-based interfaces are point-to-point.
- C. The service-based architecture enables flexible addition of new network functions and services.
- D. Service producers are not aware of service consumers.

Correct Answer: C

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### QUESTION 8

Which 5GS network function allows UE connectivity to 5GC through non-3GPP access networks?

- A. SEPP
- B. N3IWF
- C. NWDAF
- D. NEF

Correct Answer: C

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

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### QUESTION 10

An AMF needs to know when an SMF deregisters with the NRF. Which of the following NRF APIs should the AMF use?

- A. Nnrf\_NFManagement\_NFUpdate Request



- B. Nnrf\_NFDDiscovery\_NFDDiscover Request
- C. Nnrf\_NFManagement\_NFStatusSubscribe Request
- D. Nnrf\_NFManagement\_NFDeregister Request

Correct Answer: A

Reference: [https://www.etsi.org/deliver/etsi\\_ts/123500\\_123599/123502/15.03.00\\_60/ts\\_123502v150300p.pdf](https://www.etsi.org/deliver/etsi_ts/123500_123599/123502/15.03.00_60/ts_123502v150300p.pdf)

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