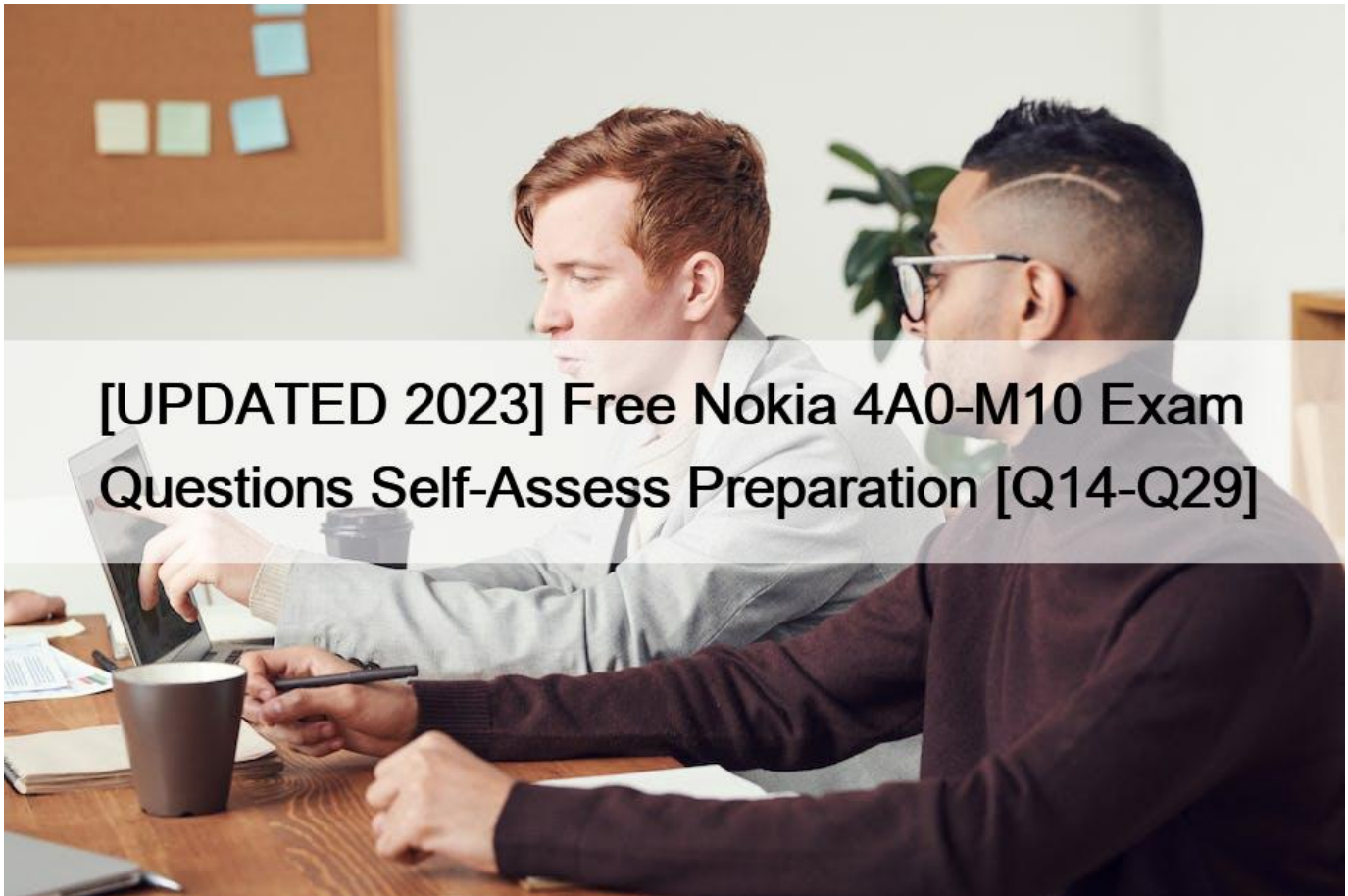


## [UPDATED 2023 Free Nokia 4A0-M10 Exam Questions Self-Assess Preparation [Q14-Q29]



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**NO.14** Which of the following statements about N2-based handover in 5GS is FALSE?

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

**NO.15** Which of the following statements regarding the 5G security components is FALSE?

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

**NO.16** Which of the following statements about the protection of service-based interfaces (SBIs) is FALSE?

- \* The transport layer security (TLS) performs certification-based authentication, providing connection security between network

functions within a PLMN.

- \* The OAuth 2.0 framework is used to secure the communication between network functions within a PLMN at the network layer.
- \* The network domain security/Internet protocol (NDS/IP) provides confidentiality and data integrity between network functions within a PLMN.
- \* The security edge protection proxy (SEPP) handles the security of inter-domain SBIs and protects the interaction between network functions in different PLMNs.

**NO.17** Which of the following statements most accurately describes the SDF templates used in 5G?

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

**NO.18** Which of the following statements about QoS profiles used in 5G is FALSE?

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

**NO.19** Which of the following best describes a UE route selection policy (URSP)?

- \* A URSP is a policy pre-configured in the UE. The UE uses this policy to select a non-3GPP access network and an N3IWF to use in the PLMN.
- \* A URSP is a policy provisioned to AMF by PCF. The AMF uses this policy to select an SMF that can serve a given PDU session for the UE.
- \* A URSP is a policy that can be pre-configured in the UE or provisioned to the UE by PCF. The UE uses this policy to determine how to handle a given application.
- \* A URSP is a policy pre-configured on the SMF. The SMF uses this policy to select a UPF that can serve a given PDU session for the UE.

**NO.20** Which of the following actions is NOT performed when handling an uplink data packet?

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

**NO.21** A UE has a PDU session established using slice 1. The operator removes slice 1 from the UE subscription data stored in UDM. Which of the following actions is NOT performed as a result?

- \* UDM notifies the serving AMF about the UE subscription data modification.
- \* AMF initiates the UE configuration update procedure.
- \* AMF requests the UE to release the established PDU session.
- \* UE updates its slicing information with the data received from AMF.

**NO.22** NF A wants to explicitly subscribe for event notifications at NFB.

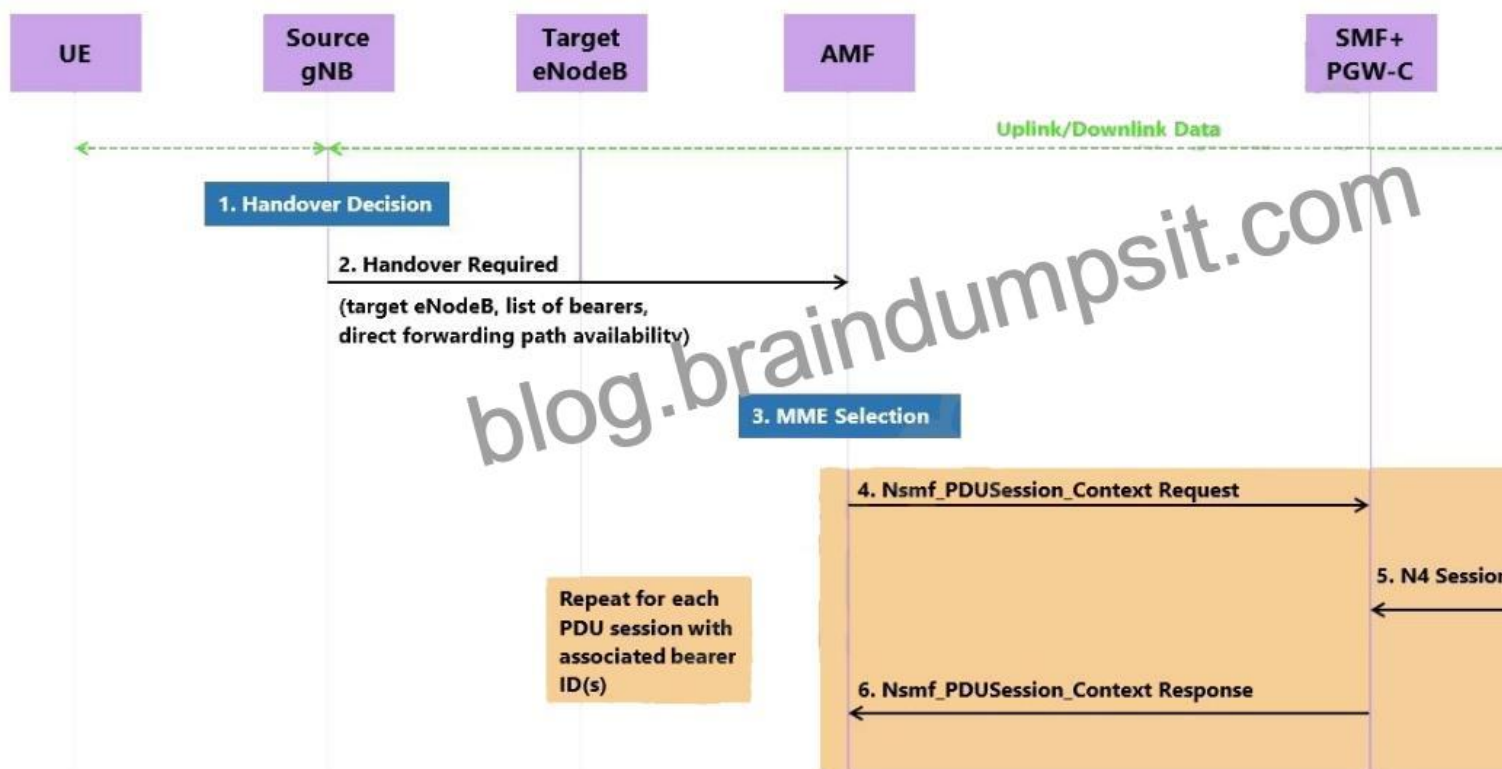
Which of the following actions regarding this mechanism is FALSE?

- \* NF A acts as a service consumer and NF B acts as a service producer.
- \* NF A includes a subscription identifier in the request message sent to NF B.
- \* NF A includes a callback URI in the request message sent to NF B.
- \* NF A includes event filtering criteria in the request message sent to NF B.

**NO.23** Which of the following statements about Option 3X dual connectivity is FALSE?

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

**NO.24** The exhibit below illustrates signaling messages exchanged during a 5GS to EPS Handover procedure using N26. Which information is NOT provided to AMF in step 6 for a PDU session that supports interworking?



- \* PGW-U indirect data forwarding tunnel info for the corresponding PDN connection
- \* PGW-C S5-C tunnel info for the corresponding PDN connection
- \* PGW-U S5-U tunnel info for each EPS bearer
- \* EPS bearer ID and QoS parameters for each EPS bearer

**NO.25** Which 5GS network function allows UE connectivity to 5GC through non-3GPP access networks?

- \* SEPP
- \* N3IWF
- \* NWDAF
- \* NEF

**NO.26** Which of the following statements about session aggregate maximum bit rate (session-AMBR) is FALSE?

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

**NO.27** Which of the following statements about non-access stratum mobility management (NAS-MM) protocol is TRUE?

- \* It runs between the UE and the SMF.
- \* It is used to control user plane resources between the UE and a data network.
- \* It provides common procedures such as authentication, identification, and UE configuration update.
- \* NAS-MM messages are relayed transparently by the AMF.

**NO.28** A UE triggers an initial registration procedure to use services offered by a 5G network. Which of the following actions is NOT performed as a result of this procedure?

- \* AMF interacts with AUSF to authenticate the UE.
- \* AMF interacts with PCF to create an AM (access and mobility) policy association.
- \* AMF retrieves the UE AM (access and mobility) and SM (session management) data from UDM.
- \* AMF allocates a 5G-GUTI and includes it in the Registration Accept message sent to UE.

**NO.29** Which of the following is NOT an EDCE5 core enhancement to support Option 3X?

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

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