



# 4A0-M02<sup>Q&As</sup>

Alcatel-Lucent Mobile Gateways for the LTE Evolved Packet Core

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**QUESTION 1**

Based on the information shown in the exhibit, how many mobile subscribers is the PGW currently serving?

```
A:PGW# show mobile-gateway pdn bearer-context
```

```
=====
Bearer context
=====
```

IMSI	APN	Bearer	Type	QCI/ARP	MBR/GBR	SDFs
302720123456791	ipd.alcatel-luce*	5	Def	9/12	-	0
302720123456791	ipd.alcatel-luce*	6	Ded	2/12	30000/20000	2
302720123456790	ipd.alcatel-luce*	5	Def	9/12	-	0
302720123456790	ipd.alcatel-luce*	6	Ded	2/12	30000/20000	2
302720123456789	ipd.alcatel-luce*	5	Def	9/12	-	0
302720123456789	ipd.alcatel-luce*	6	Ded	2/12	30000/20000	2

- A. 1
- B. 2
- C. 3
- D. 5
- E. 6
- F. Unable to determine based on the provided information.

Correct Answer: C

**QUESTION 2**

During the UE attachment procedure, which of the following statements are TRUE regarding the Request message sent from the SGW to the PGW? (Choose two)

- A. The Request message includes the TEID-C value assigned by the PGW.
- B. The Request message includes the TEID-C value assigned by the SGW.
- C. The Request message includes the TEID-U value assigned by the SGW.
- D. The Request message includes both the TEID-C value assigned by the SGW and the TEID-C value assigned by the PGW.
- E. The Request message includes both the TEID-U value assigned by the SGW and the TEID-U value assigned by the PGW.
- F. The Request message includes both the TEID-U value assigned by the SGW and the TEID-C value assigned by the PGW.



Correct Answer: BC

### QUESTION 3

On the Alcatel-Lucent 7750 PGW, which of the following CLI commands is used to check the message statistics between the PGW and the PCRF?

- A. Show mobile-gateway pdn pdn-context
- B. Show mobile-gateway pdn ref-point-stats ga
- C. Show mobile-gateway pdn ref-point-stats gx
- D. Show mobile-gateway pdn ref-point-peers gn
- E. Show mobile-gateway pdn ref-point-peers gx

Correct Answer: C

### QUESTION 4

Based on the information shown in the exhibit, when the SGW receives an IP packet from the UE, which of the following is the GTP TEID value expected to be received in the GTP packet header?

```
A:SGW# show mobile-gateway serving bearer-context imsi 302720123456789 detail

=====
Bearer context detail
=====
IMSI           : 302720123456789
APN            : ipd.alcatel-lucent.com
Bearer Id      : 5                Bearer type      : Default
Up Time        : 0d 00:02:07

QCI/ARP        : 9/12
QoS UL MBR     : 0 Kbps           QoS DL MBR     : 0 Kbps
QoS UL GBR     : 0 Kbps           QoS DL GBR     : 0 Kbps

S5 PGW Data TEID : 0xd05025       S5 SGW Data TEID : 0x4b00805
S5 PGW Data addr : 10.10.7.2
S5 SGW Data addr : 10.10.7.1
S1U eNodeB TEID  : 0x21           S1U SGW TEID     : 0x4b00825
S1U eNodeB addr  : 10.10.2.100
S1U SGW address  : 72.22.24.163

S5 UL packets    : 404532          S5 UL bytes      : 21906876
S1U DL packets   : 404514          S1U DL bytes     : 579961815
S11 QoS Modify   : 0

-----
Number of bearer contexts : 1
=====
```

- A. 0xd05025



- B. 0x4b00805
- C. 0x21
- D. 0x4b00825
- E. None of the above answers are correct.

Correct Answer: D

---

#### QUESTION 5

Which network entities assign TEIDs to the indirect data tunnel used during an S1-based handover with SGW relocation?

- A. The source eNodeB, the source SGW, and the target SGW
- B. The source SGW, the target SGW and the target eNodeB.
- C. The source eNodeB, the target SGW, and the target eNodeB.
- D. The source eNodeB, the source SGW and the target eNodeB.
- E. The source SGW and the target SGW.

Correct Answer: C

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#### QUESTION 6

During an S1-based handover with MME relocation, which network entity requests the creation of an indirect data forwarding tunnel by sending a "Create Indirect Data Forwarding Tunnel Request" message to the SGW?

- A. The source MME.
- B. The target MME.
- C. The source eNodeB.
- D. The target eNodeB.

Correct Answer: A

---

#### QUESTION 7

Based on the information shown in the exhibit, which of the following is TRUE when the PGW receives a "Create Session Request" with the "APN Restriction" set to "Private2"? Assume everything else is in working condition.



```
*A:PGW>config>mobile>pdn# apn "ipd.alcatel-lucent.com"
*A:PGW>config>mobile>pdn>apn# info
-----
pcrf-selection
    dynamic-pcc
exit
ip-alloc-method local-pool
pdn-type ipv4
pdn-type ipv6
pdn-type ipv4v6
restriction any
router "Base"
    ip-local-pool "ipdpool"
exit
selection-mode subscribed-apn
no shutdown
-----
```

- A. The "Create Session Request" is rejected by the PGW and no bearer is created.
- B. The "Create Session Request" is accepted by the PGW and the bearer is created successfully.
- C. The APN cannot be configured with an "APN Restriction" value of "any".
- D. The "Create Session Request" cannot have an "APN Restriction" value of "Private2".
- E. None of the above answers are correct.

Correct Answer: B

#### QUESTION 8

Based on the information shown in the exhibit, which of the following is TRUE when the PGW receives a "Create Session Request" with the "APN Restriction" set to "Private1"? Assume everything else is in working condition.

```
*A:PGW>config>mobile>pdn# apn "ipd.alcatel-lucent.com"
*A:PGW>config>mobile>pdn>apn# info
-----
pcrf-selection
    dynamic-pcc
exit
ip-alloc-method local-pool
pdn-type ipv4
pdn-type ipv6
pdn-type ipv4v6
restriction private1
router "Base"
    ip-local-pool "ipdpool"
exit
selection-mode subscribed-apn
no shutdown
-----
```



- A. The "Create Session Request" is rejected by the PGW and no bearer is created.
- B. The "Create Session Request" is accepted by the PGW and the bearer is created successfully.
- C. The APN cannot be configured with an "APN Restriction" value of "Private1".
- D. The "Create Session Request" cannot have an "APN Restriction" value of "Private1".
- E. None of the above answers are correct.

Correct Answer: A

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#### QUESTION 9

On Alcatel-Lucent 7750 SGW, which of the following CLI commands can be used to check the number of times a handover procedure has been performed for a particular UE?

- A. Show mobile-gateway serving call-flow-stats
- B. Show mobile-gateway serving pdn-context imsi detail
- C. Show mobile-gateway serving ue-context imsi detail
- D. Show mobile-gateway serving bearer-context imsi detail
- E. Show mobile-gateway serving ref-point-stats s11

Correct Answer: C

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#### QUESTION 10

Which of the following statements is FALSE regarding the EPS bearers?

- A. The default bearer is initiated by either the UE or the PCRF.
- B. The default bearer is always the first bearer established to an APN.
- C. An AF server may initiate a dedicated bearer to a UE.
- D. EPS bearers that connect a given UE to a single PGW may use different IP subnets.
- E. The default bearer remains active throughout the lifetime of the APN connection.

Correct Answer: A

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#### QUESTION 11

Which of the following statements is FALSE regarding the UE attachment procedure?

- A. As a result of this procedure, a default bearer must be established





- B. As a result of this procedure, a dedicated bearer must be established
- C. As a result of this procedure, the UE is registered with the network
- D. As a result of this procedure, the UE is authenticated by the network
- E. As a result of this procedure, the UE has an IP connectivity to an APN

Correct Answer: B

---

#### QUESTION 12

Which of the following statements is FALSE regarding the Gx interface?

- A. It is a Diameter-based interface between the PCRF and the PCEF.
- B. The PCEF can act as a client or as a server for the Diameter connection depending on which application is running over the Gx interface.
- C. The PCEF receives the QoS information for a bearer from the PCRF over the Gx interface.
- D. It runs a vendor specific application identified by an application ID value of 16777238.
- E. It is never used to transport user data packets.

Correct Answer: B

---

#### QUESTION 13

Which of the following most accurately describes the messages used to manage a Diameter connection path?

- A. The Capabilities-Exchange message
- B. The Device-Watchdog message
- C. The Credit-Control message
- D. The Disconnect-Peer message
- E. All of the above answers are correct
- F. Only answers A, B and D are correct

Correct Answer: F

---

#### QUESTION 14

Which of the following statements is FALSE regarding the support of MG-ISM redundancy on an Alcatel-Lucent 7750 MG?

- A. MG-ISM redundancy is supported on Alcatel-Lucent 7750 SGW.



- B. MG-ISM redundancy is supported on Alcatel-Lucent 7750 PGW.
- C. MG-ISM 1+1 redundancy model is supported on Alcatel-Lucent 7750 MG.
- D. MG-ISM one-to-many redundancy model is supported on Alcatel-Lucent 7750 MG.
- E. None of the above statements are false.

Correct Answer: D

---

#### QUESTION 15

Which of the following messages are exchanged between the PGW and the PCRF during the UE attachment procedure?

- A. Authorization Control Request/ Authorization Control Answer
- B. Credit Control Request / Credit Control Answer
- C. Create Session Request/ Create Session Answer
- D. Attach Request/Attach Answer

Correct Answer: B

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