



# BL0-100<sup>Q&As</sup>

Nokia Bell Labs End-to-End 5G Foundation

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### QUESTION 1

The network of the future is the key to supporting the digitization and automation of many industries. This network should support diverse requirements from different applications using it. To do that, the network should have a new architecture. Which of the following best describe the elements of the new 5G end-to-end network architecture?

- A. Wireless Access, Optical Transport, and a dedicated Core Network for wireless access running in a Central Cloud.
- B. Multiple access types (not only wireless), Optical Transport, Multi-cloud, and dedicated Core for every type of access.
- C. Public sector element, a smart city element, a health element, a transport and logistics element, and an industrial element.
- D. Massive Scale Access combining many wireless and wired access types, Smart Network Fabric as transport (combining optical and IP network elements, controlled by SDN), a Universal Adaptive Core network supporting all access types, a Multi-cloud system including central, regional, edge, public, private, and hybrid cloud, and Automation and Analytics providing flexibility in the network to serve different applications.

Correct Answer: D

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### QUESTION 2

Which of the following best defines what is meant by Network Slice isolation?

- A. Security + Cloud isolation
- B. Resource + Security isolation
- C. Transport + Cloud isolation
- D. Resource + Traffic isolation

Correct Answer: B

Reference: [https://www.gsma.com/futurenetworks/wp-content/uploads/2018/06/Network-Slicing-UseCase-Requirements--\\_Final-.pdf](https://www.gsma.com/futurenetworks/wp-content/uploads/2018/06/Network-Slicing-UseCase-Requirements--_Final-.pdf)

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### QUESTION 3

Imagine that you are defining the 5G network requirements for the Industrial Automation of a port, what is the set of 5G technology enablers and horizontal applications that makes sense?

- A. Automation of cargo handling and integration with the logistics chain is an Autonomous Container Transport vehicles that requires 5G NR, Edge cloud and High SLA slices.
- B. Automation of cargo handling and integration with shorter ship turnaround times through improved predictability of operations is a video inspection system of important large infrastructure that requires 5G NR, FWA and High SLA slices.
- C. Automation of cargo handling and integration with the logistics chain is an Autonomous Container Transport vehicles



that requires 5G NR, central cloud and FWA.

D. Automation of cargo handling and integration with shorter ship turnaround times through improved predictability of operations is a video inspection system of important large infrastructure that requires 5G NR and central cloud.

Correct Answer: A

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#### QUESTION 4

You and a colleague are discussing the challenges to be resolved in order to make digitization and automation a reality in all industries. He is arguing that the solution is to have faster access connectivity, but you don't agree. You are trying to convince him of the need for an end-to-end solution. The new 5G network should be built end-to-end to enable industries' quest for value. What arguments can you provide to support your position?

A. Increasing throughput is not enough. A faster and automated transport network, a distributed cloud where applications would run depending on their latency and reliability requirements, a core network that automatically handles any type of access, and a security framework to guarantee the security in every layer of the network are also needed.

B. The network consists of many layers that include access, transport, core, cloud, and all of the applications running in the cloud. Increasing throughput in access is not enough. The bit rate needs to be increased in all of the other layers as well.

C. Increasing the access throughput might be worthwhile but applications that support a higher bit rate should also be a consideration.

D. Increasing the throughput is enough. There is no need to change the network end-to-end.

Correct Answer: A

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#### QUESTION 5

Which of the following statements about 5G Transport is incorrect?

A. Widely diverse end to end services will require the ability to create a Transport Slice with guaranteed SLAs.

B. Ultra Reliable Machine to Machine communication will require dependable low latency communication.

C. Internet of things devices will require a massive increase in network connectivity.

D. Explosive traffic growth will require statically defined manually configured end to end QoS based services.

Correct Answer: C

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