

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

Nokia Bell Labs End-to-End 5G Foundation

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### QUESTION 1

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 2

Is it possible for a User Equipment to connect simultaneously to multiple slices in 5G?

- A. No
- B. Yes

Correct Answer: B

Reference: [https://www.researchgate.net/publication/340976923\\_Slice\\_Selection\\_In\\_5G\\_Networks\\_Novel\\_Approach\\_for\\_Accessing\\_Multiple\\_Slices\\_Simultaneously](https://www.researchgate.net/publication/340976923_Slice_Selection_In_5G_Networks_Novel_Approach_for_Accessing_Multiple_Slices_Simultaneously)

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### QUESTION 3

Which of the following drive 5G higher reliability?

- A. Higher spectral efficiency
- B. Multi-connectivity per User Equipment
- C. Connectionless radio access
- D. Lower Time Transmission Interval (TTI)

Correct Answer: A

Reference: [https://learningstore.nokia.com/doc/5g/5G\\_Foundation\\_Study\\_Guide\\_BL00125\\_M\\_%202002.pdf](https://learningstore.nokia.com/doc/5g/5G_Foundation_Study_Guide_BL00125_M_%202002.pdf) (9)

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**QUESTION 4**

What functionality is applied by SDN to find an alternative path in case of failure in the Transport Network?

- A. Path Correlation Engine
- B. Alternative Route Finding
- C. Alternative Path Computing
- D. Path Computation Engine

Correct Answer: C

Reference: <https://www.google.com/url?sa=t&andrc=jandq=andesrc=sandsource=webandcd=andcad=rjaanduact=8andved=2ahUKEwj01tmp5uTvAhUQO8AKHbvUB5cQFjAAegQIBxADandurl=https%3A%2F%2Fwww.mdpi.com%2F2071-1050%2F12%2F10%2F4255%2Fpdfandusg=AOVVaw2Jd6iravRnpP8tfxjldKWK>

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**QUESTION 5**

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