CSC8360 S2 2022 PRACTICE 2 [ANSWERS]

**Regulations, Standards, Organizations** Due Date: xx/xx/2022

**Practice Question #1:**

List the organisations that govern the develop, updating and release of standard for WLAN Networks.

[ANSWER:

* Institute of Electrical and Electronics Engineers ([IEEE](https://standards.ieee.org/))
* European Telecommunications Standards Institute (ETSI)
* Internet Engineering Task Force ([IETF](https://www.ietf.org/))
* Institute of Electrical and Electronics Engineers ([IEEE](https://standards.ieee.org/))
* International Telecommunication Union – Radio Communications ([ITU-R](https://www.itu.int/en/ITU-R/Pages/default.aspx))

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**Practice Question #2:**

List the organisations that govern the develop, updating and release of standard for Cellular and Fixed Wireless Networks.

[ANSWER:

* [3GPP](https://www.3gpp.org/)

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**Practice Question #3:**

What are the main three (3) areas of focus for the the development of standards & recommendations for Cellular Wireless Networks.

[ANSWER: Go to [3GPP Website](https://www.3gpp.org/specifications-groups) and check the workings and role of the three (3) technical standard groups:

* Radio Access Networks (RAN)
* Service and System Aspects (SA)
* Core Network and Terminals (CT)]

**Practice Question #4:**

What is the technology and the associated international standards used for contactless payment systems shown in the illustrations below. From the relevant standard for this technology, what are the recommended frequency bands that communication between devices can occur, what is the channel bandwidth allocated in these frequency bands and what is the data rate for communications between devices.



[ANSWER: ]