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FACULTY OF ENGINEERING & TECHNOLOGY

DCS-503 Computer Networks

Lecture-15

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OUTLINE

- 802.16 PHYSICAL LAYER
- 802.16 MAC SUBLAYER PROTOCOL
- 802.11 ARCHITECTURE AND PROTOCOL STACK
- BLUETOOTH ARCHITECTURE
- BLUETOOTH PROTOCOL STACK
- BLUETOOTH FRAME STRUCTURE

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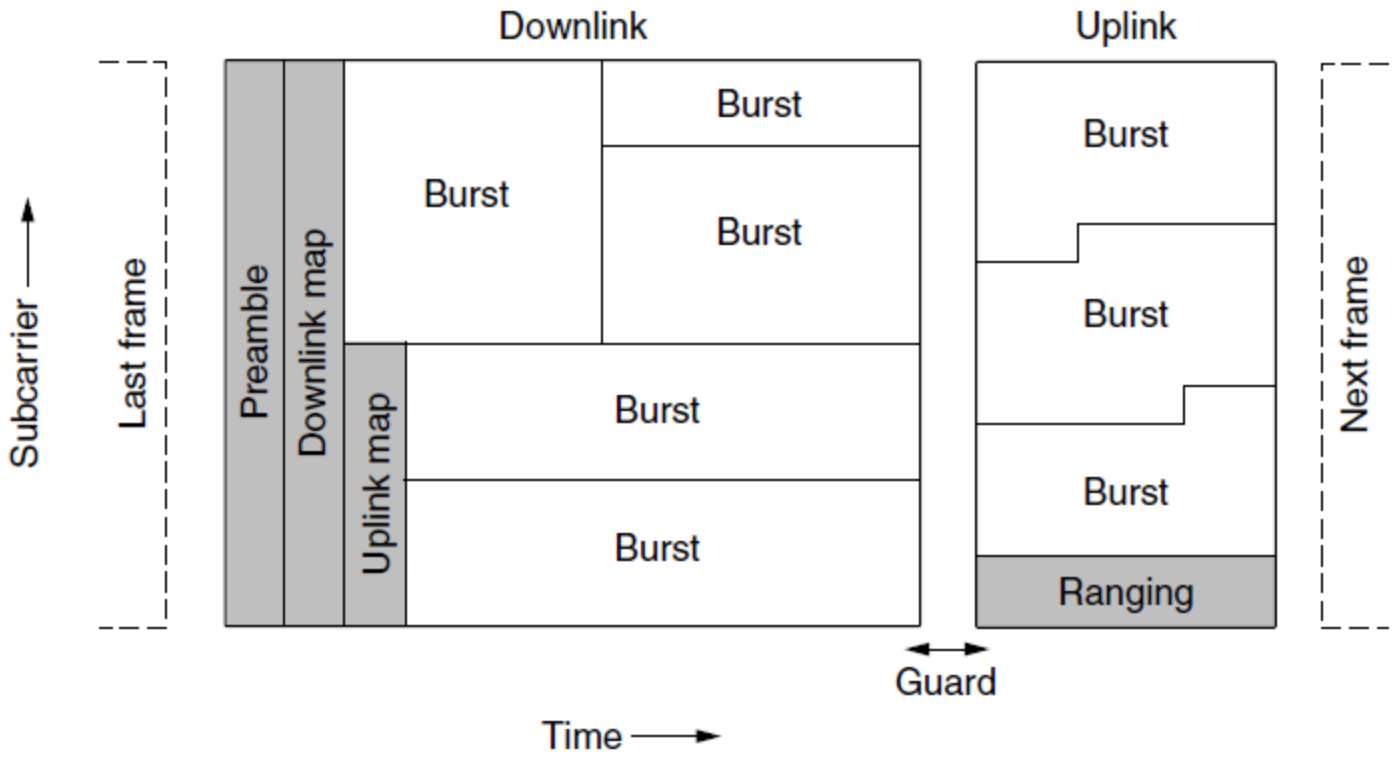
802.16 PHYSICAL LAYER



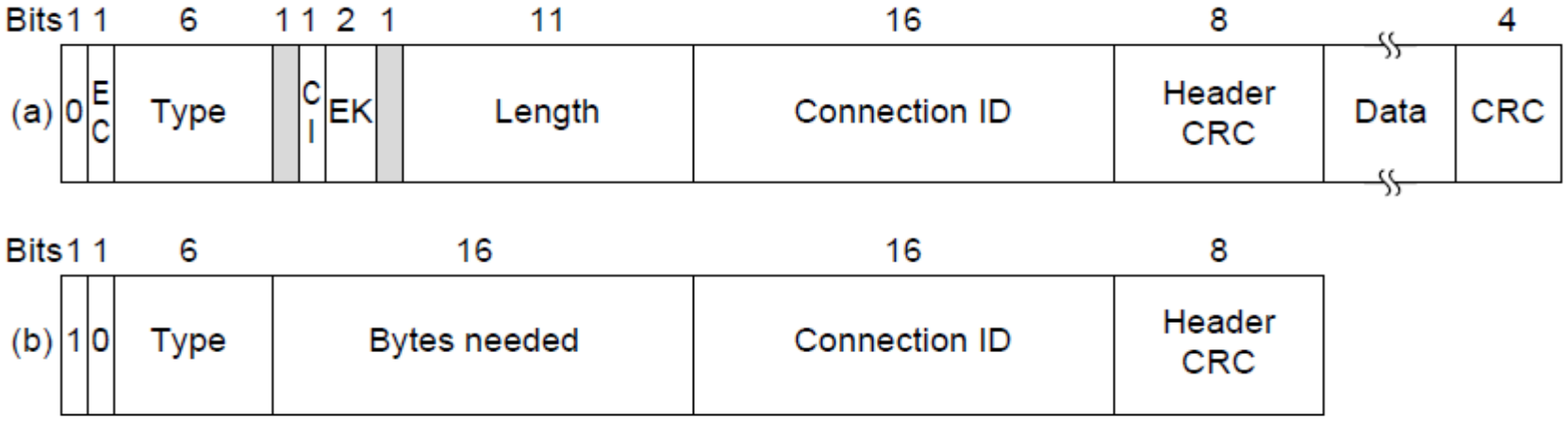
Classes of service

1.Constant bit rate service.

2.Real-time variable bit rate service.

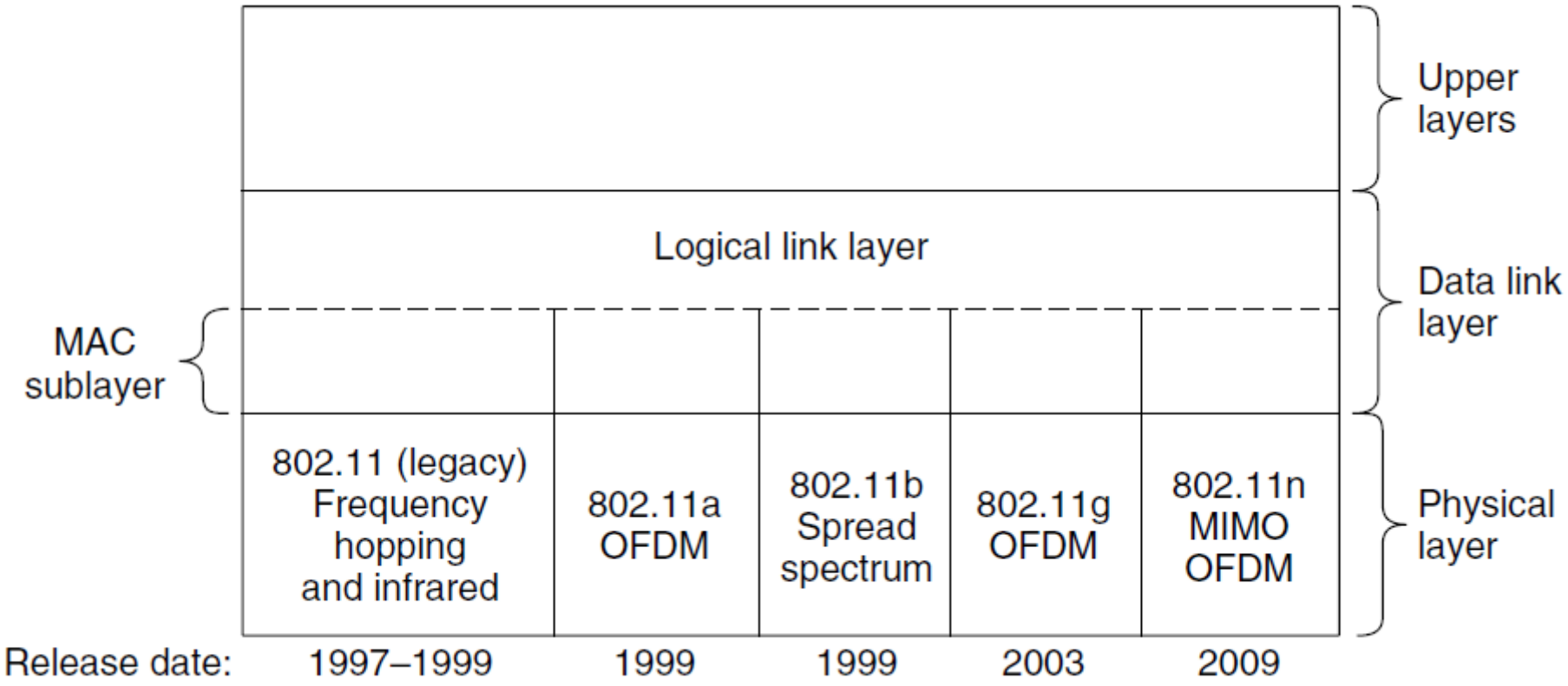
3.Non-real-time variable bit rate service.

4.Best-effort service

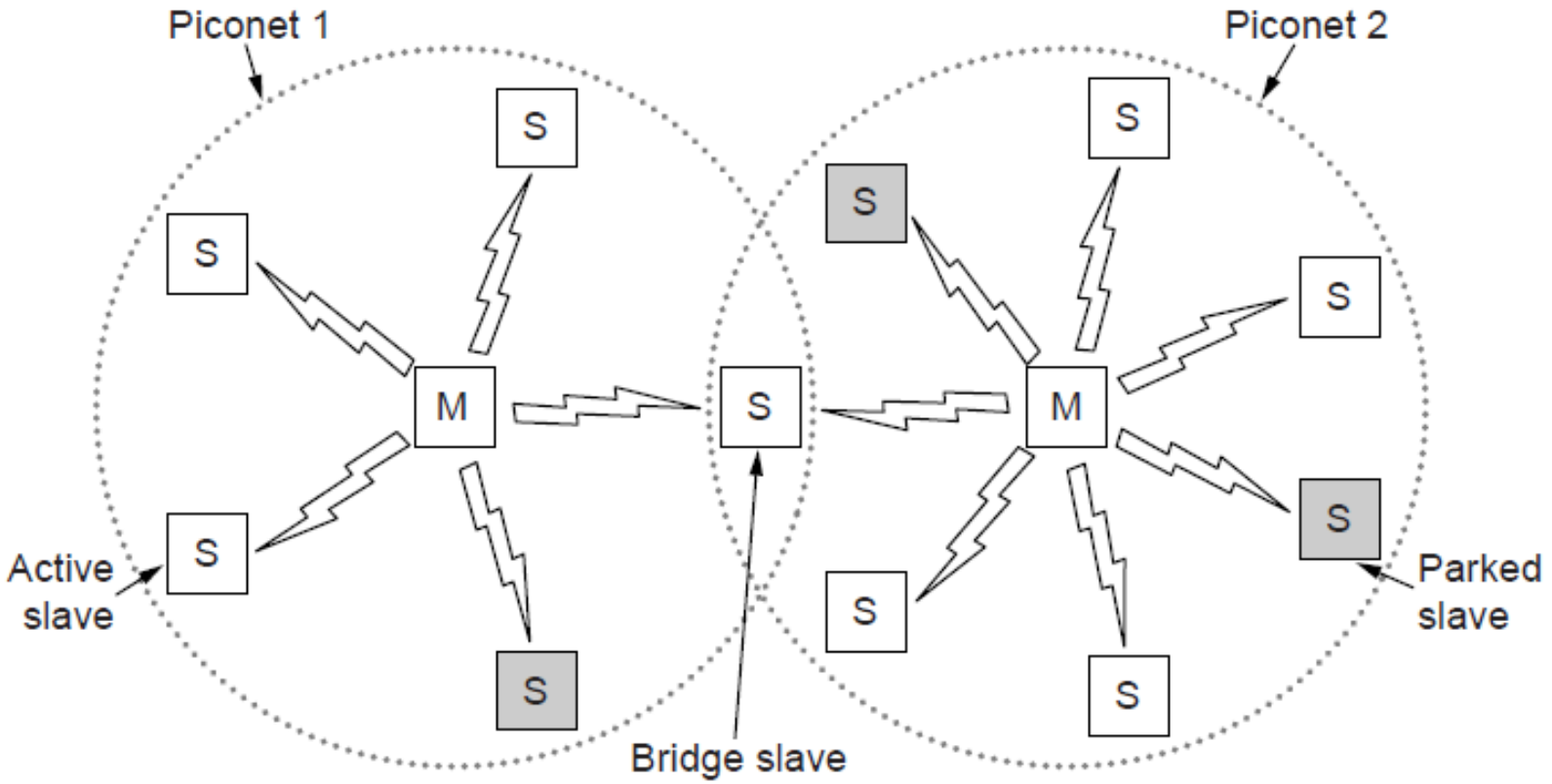


802.11 ARCHITECTURE AND PROTOCOL STACK

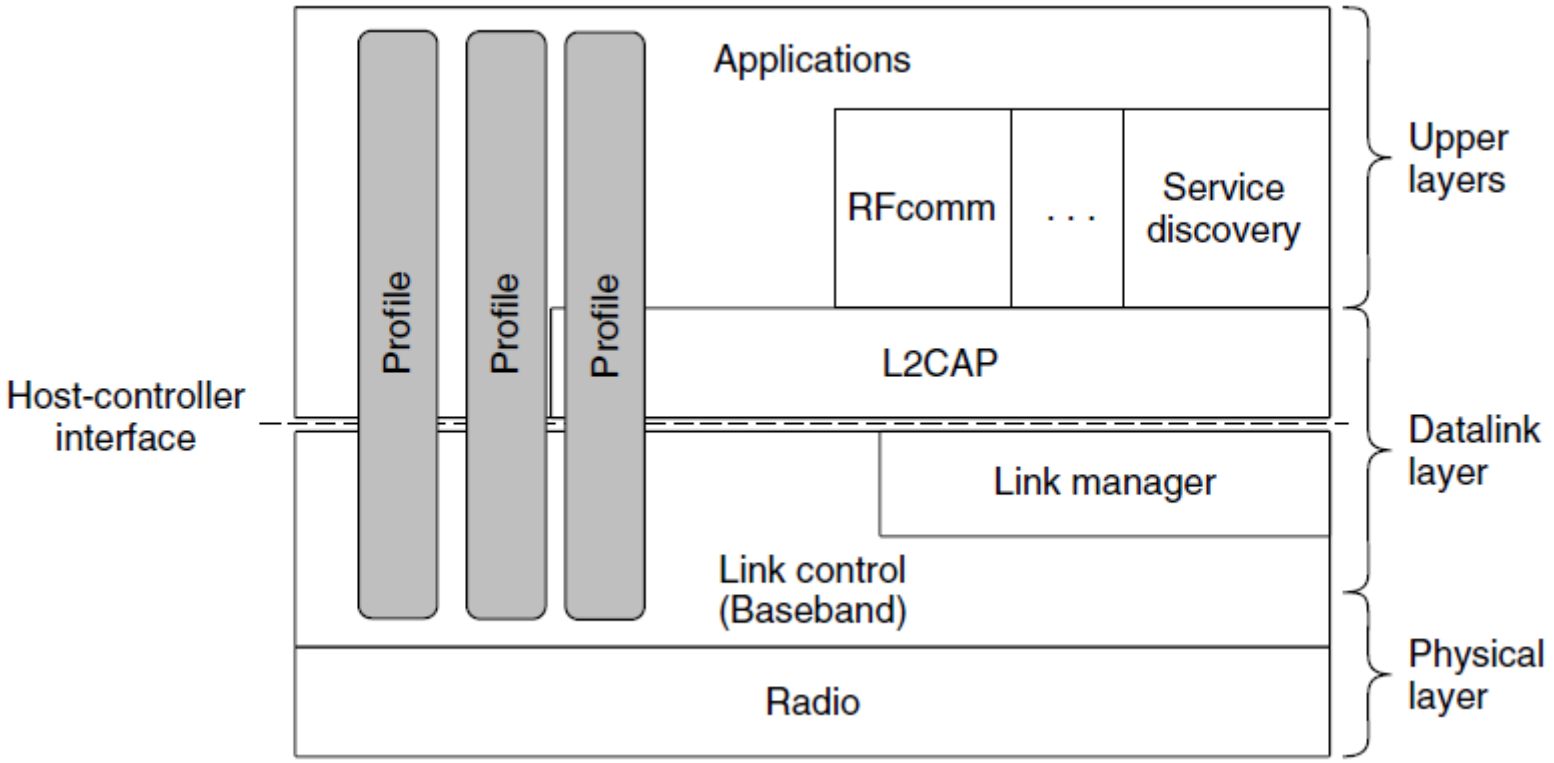
802.11 protocol stack



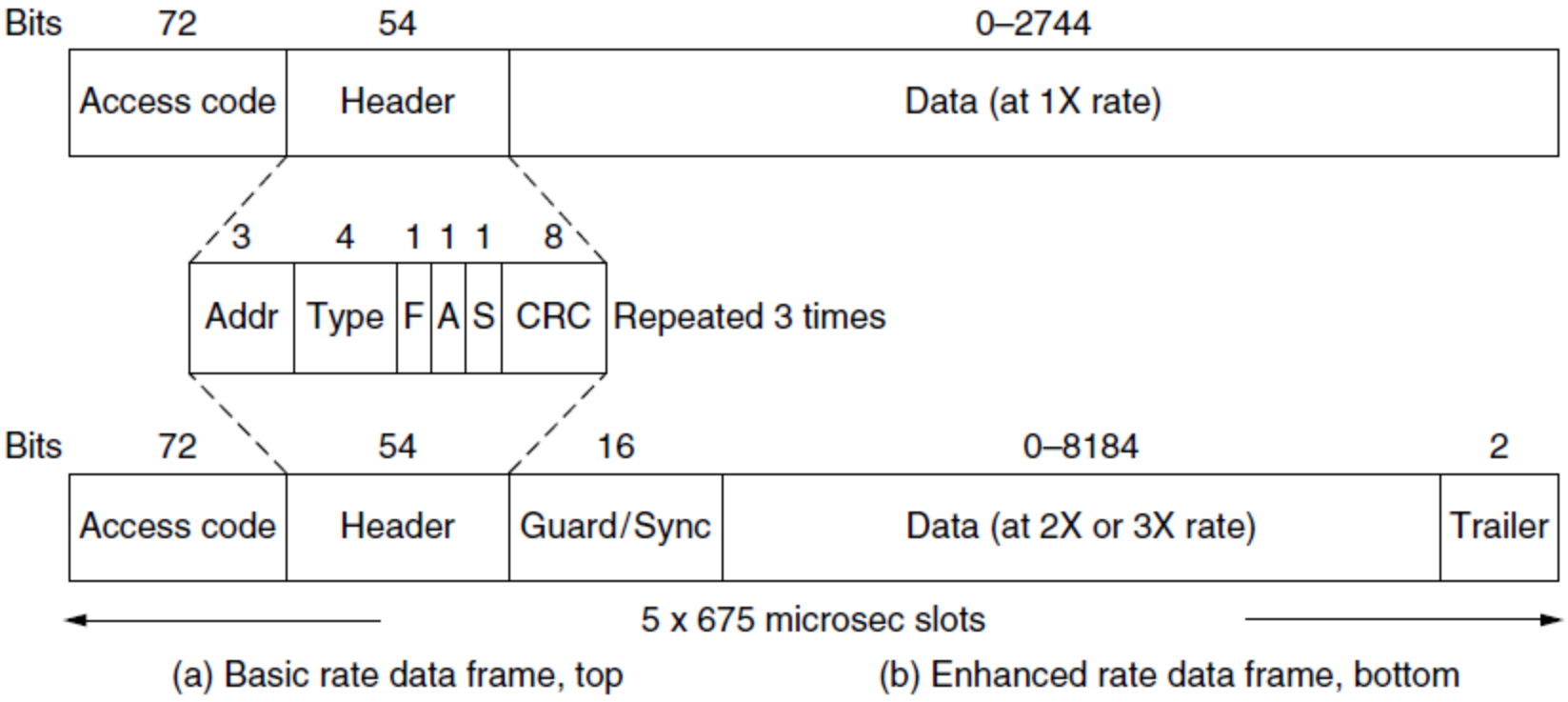
BLUETOOTH ARCHITECTURE



BLUETOOTH PROTOCOL STACK



BLUETOOTH FRAME STRUCTURE



(a) Basic rate data frame, top

(b) Enhanced rate data frame, bottom

Multiple Choice Question

MUTIPLE CHOICE QUESTIONS:

Sr no	Question	Option A	Option B	OptionC	OptionD
1	In classless addressing, there are no classes but addresses are still granted in _____	IPs	Blocks	Codes	Sizes
2	In IPv4 Addresses, classful addressing is replaced with _____	Classless Addressing	Classful Addressing	Classful Advertising	Classless Advertising
3	First address in a block is used as network address that represents the _____	Class Network	Entity	Organization	Codes
4	In classful addressing, a large part of available addresses are _____	Organized	Blocked	Wasted	Communicated
5	Network addresses are a very important concept of _____	Routing	Mask	IP Addressing	Classless Addressing

REFERENCES

- http://www.engppt.com/2009/12/networking-fourozan-ppt-slides.html