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FACULTY OF ENGINEERING & TECHNOLOGY

BCA-302Computer Networks

Lecture-17

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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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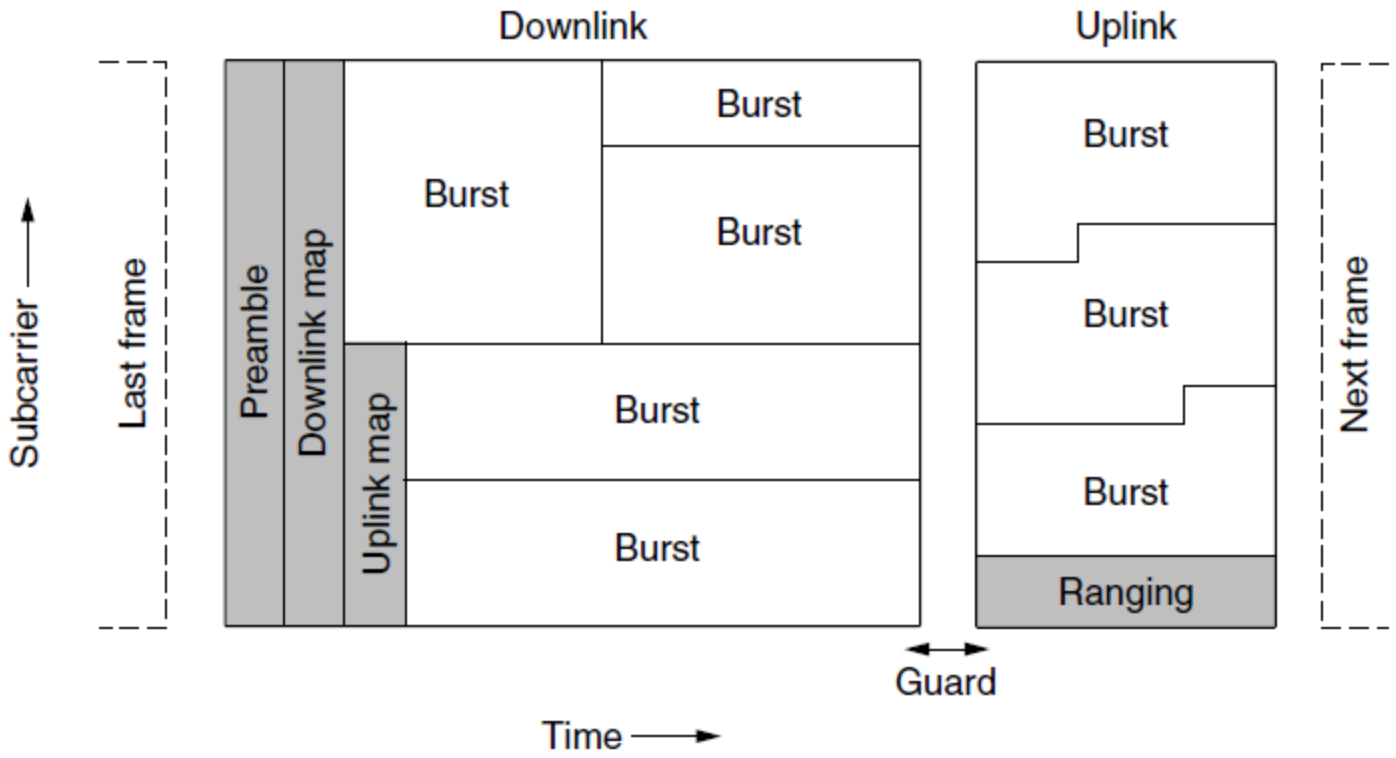
802.16 PHYSICAL LAYER



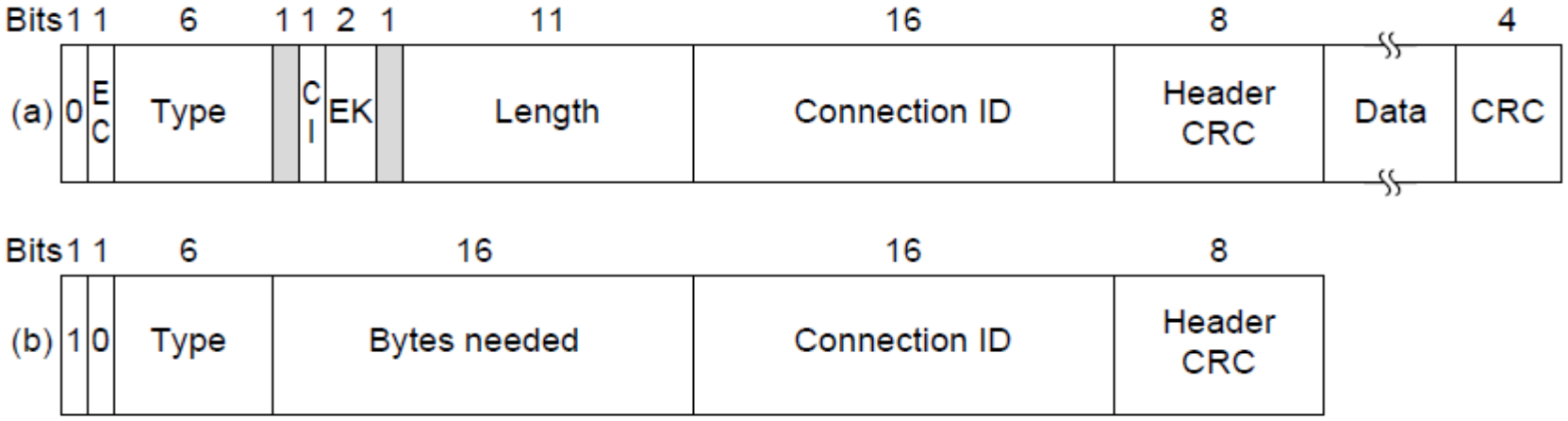
Classes of service

1.Constant bit rate service.

2.Real-time variable bit rate service.

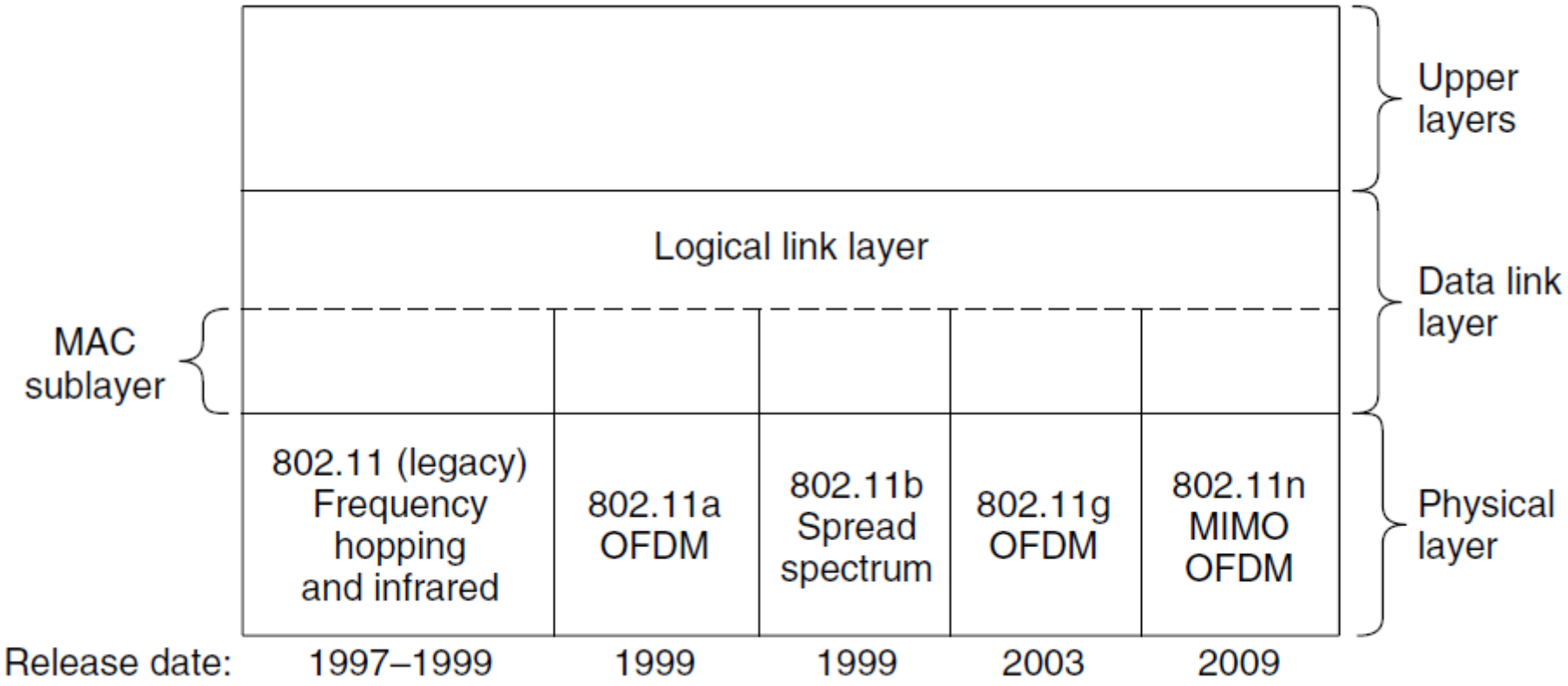
3.Non-real-time variable bit rate service.

4.Best-effort service

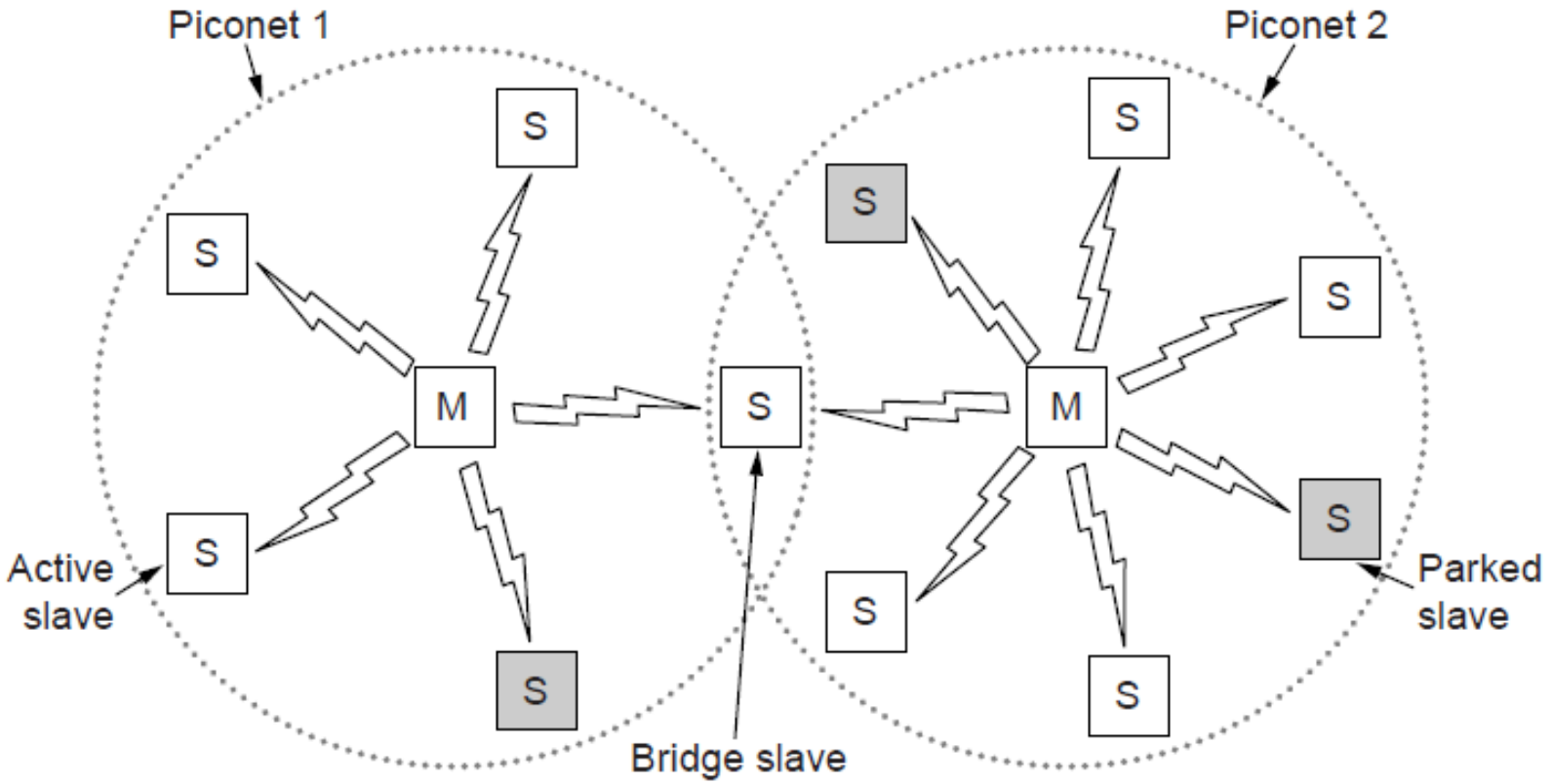


802.11 ARCHITECTURE AND PROTOCOL STACK

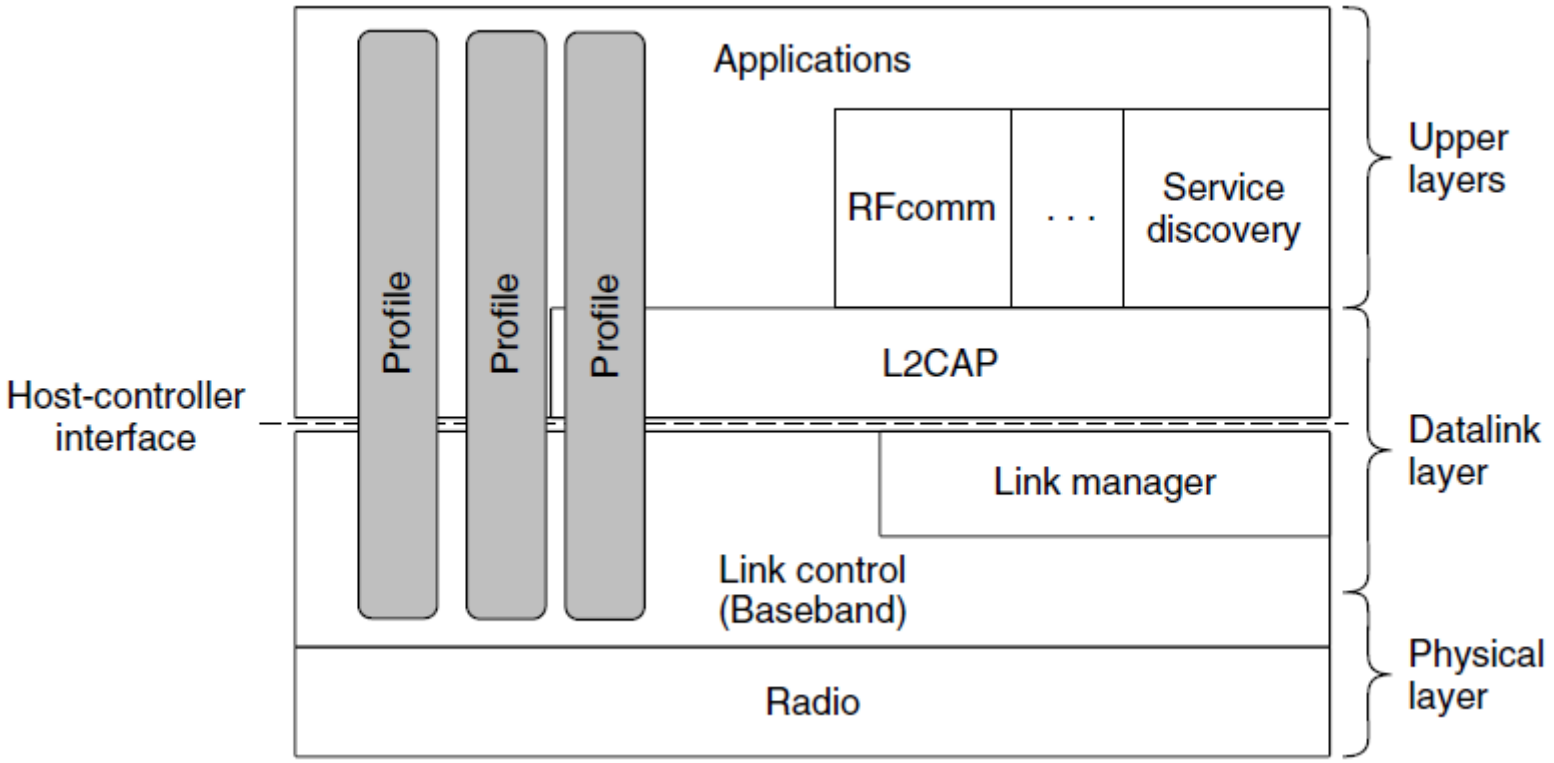
802.11 protocol stack



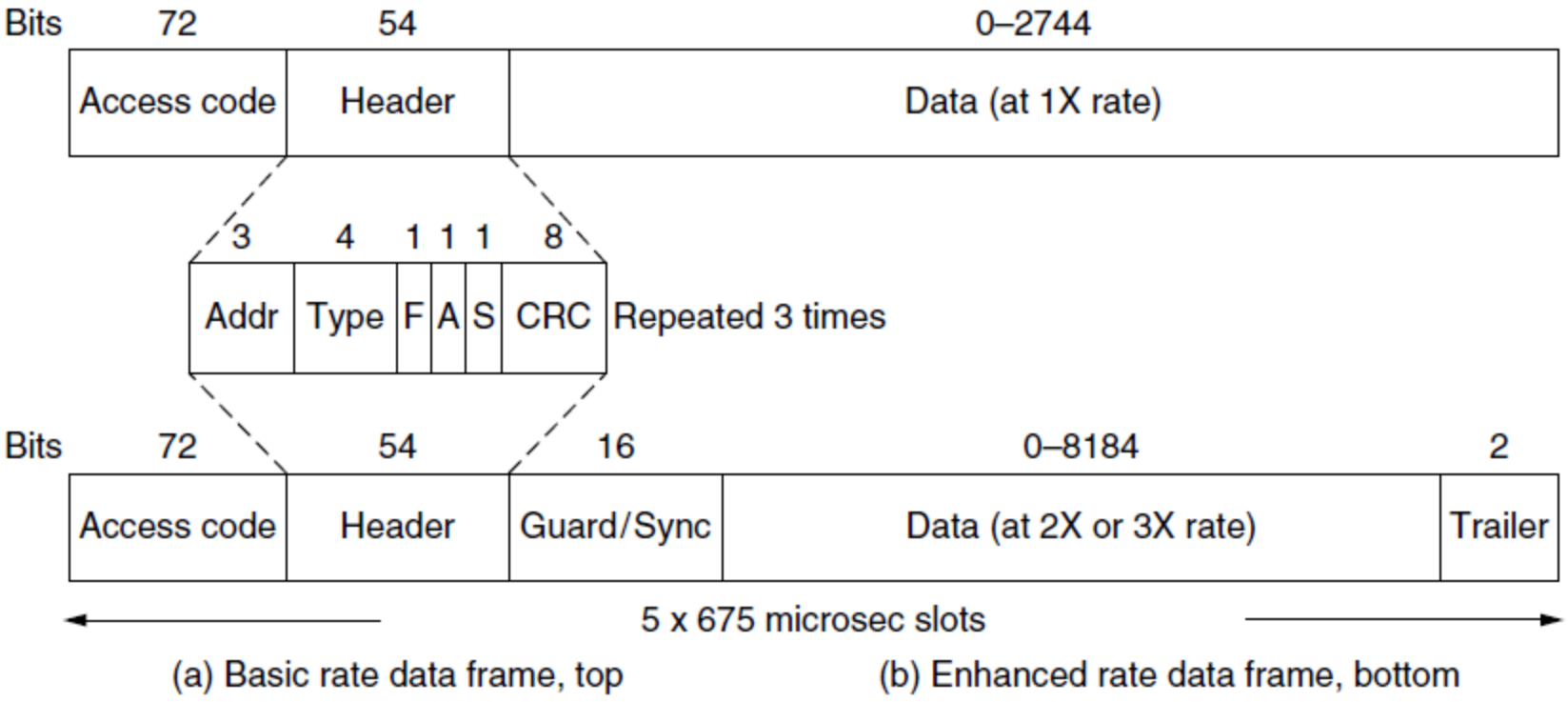
BLUETOOTH ARCHITECTURE



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	Which of this is not a class of IP address?	Class E	Class C	Class D	Class F
2	nternet Control Message Protocol (ICMP) has been designed to compensate _____	Error-reporting	Error-correction	Host and management queries	All of the mentioned
3	Header size of the ICMP message is _____	8-bytes	8-bits	16-bytes	16-bits
4	Which is not a application layer protocol?	HTTP	SMTP	FTP	TCP
5	The packet of information at the application layer is called _____	Packet	Message	Segment	Frame

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REFERENCES

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