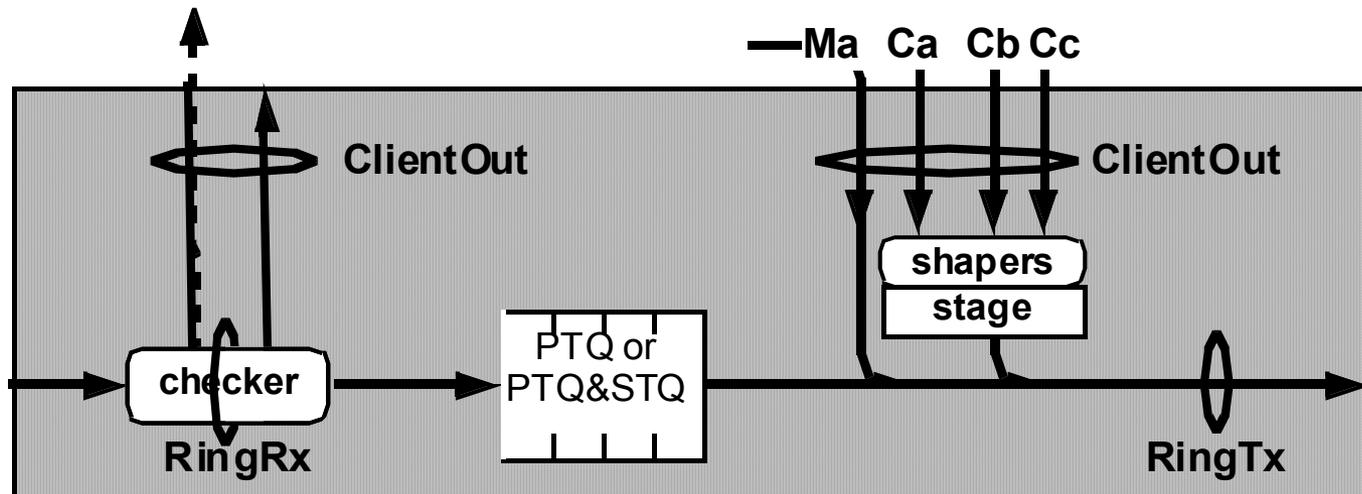


# **MIBs**

## **(before reading the code)**

# Measurement model



# Summary of measurements

Table 12.2—Performance measurement MIBs summary

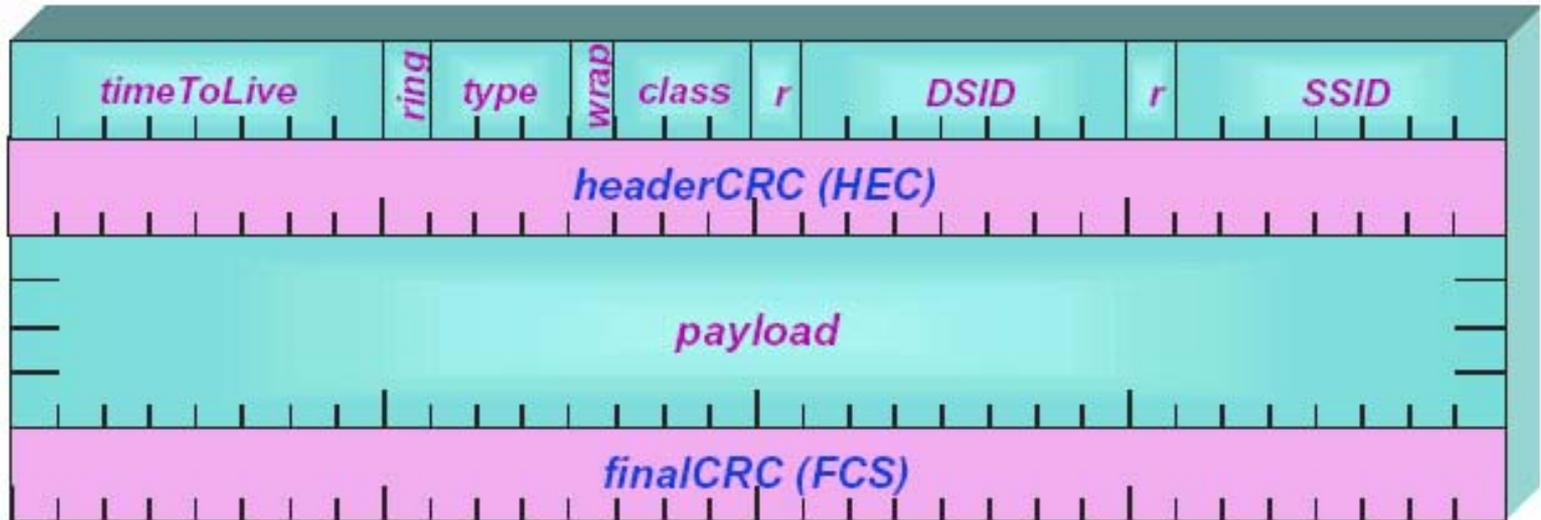
Place	Address	Class	Units	Row	Description
RingRx, RingTx, ClientOut, ClientIn	Unicast, Multicast	ClassA0, ClassA1, ClassB0, ClassB1, ClassC	Frames, Bytes	12.2.1	Passing frames
RingRx	—	—	Frames	12.2.2	Time-to-live expires
				12.2.3	Excessive length frames
				12.2.4	Bad header CRC
				12.2.5	Bad payload CRC
				12.2.6	Multicast source address
				12.2.7	Unknown protocol
				12.2.8	PDM abort indication
ClientOut	—	—	Frames	12.2.9	Excessive length frames

# **CRC coverage**

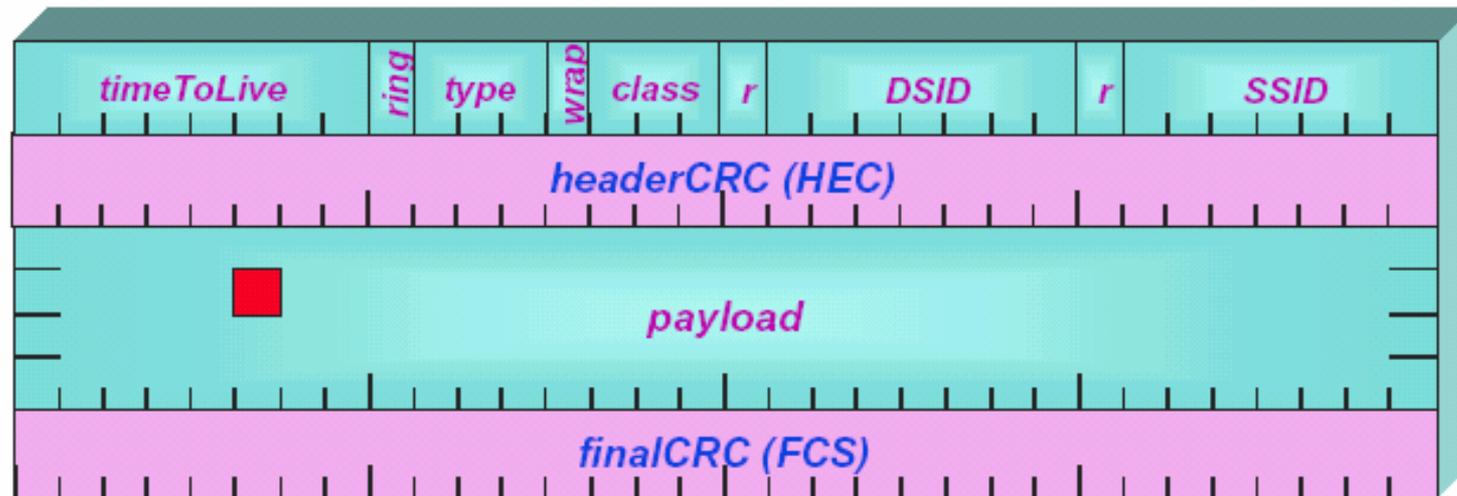
# MIBs conclusions

- Useful to describe their context
- Clause 6 (etc.) should define their meanings
- Summary of functions is useful
- Clarification of strategy:
  - What is in the MAC?
  - What is above the MAC?

# RPR frame format

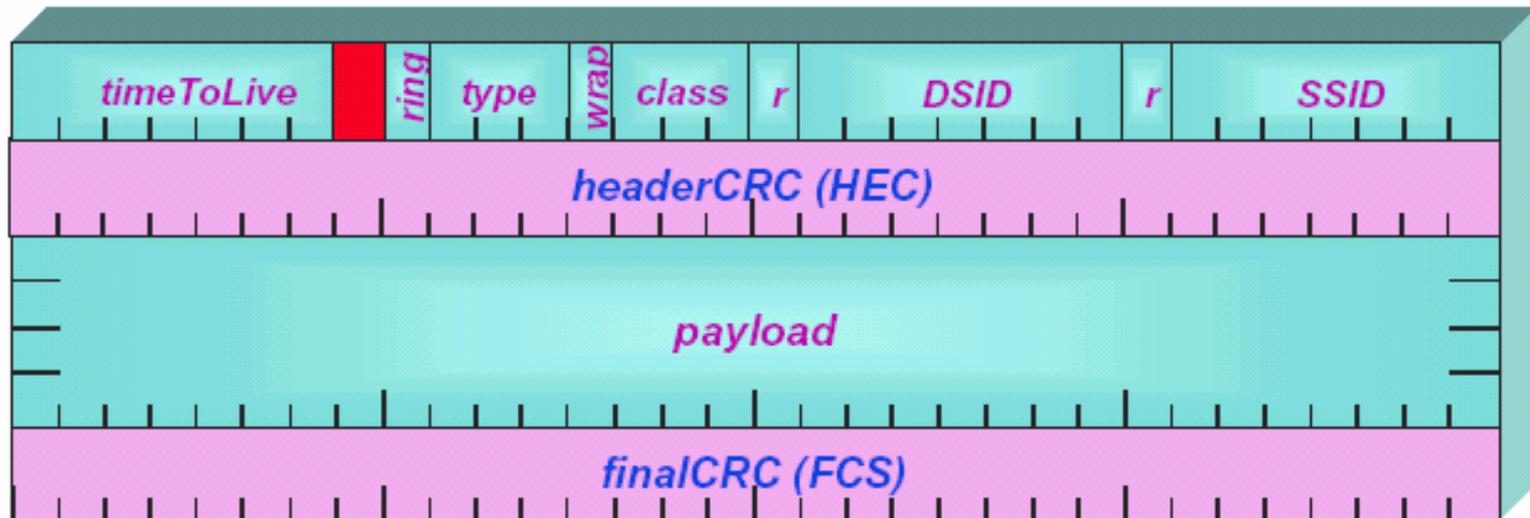


# RPR frame format



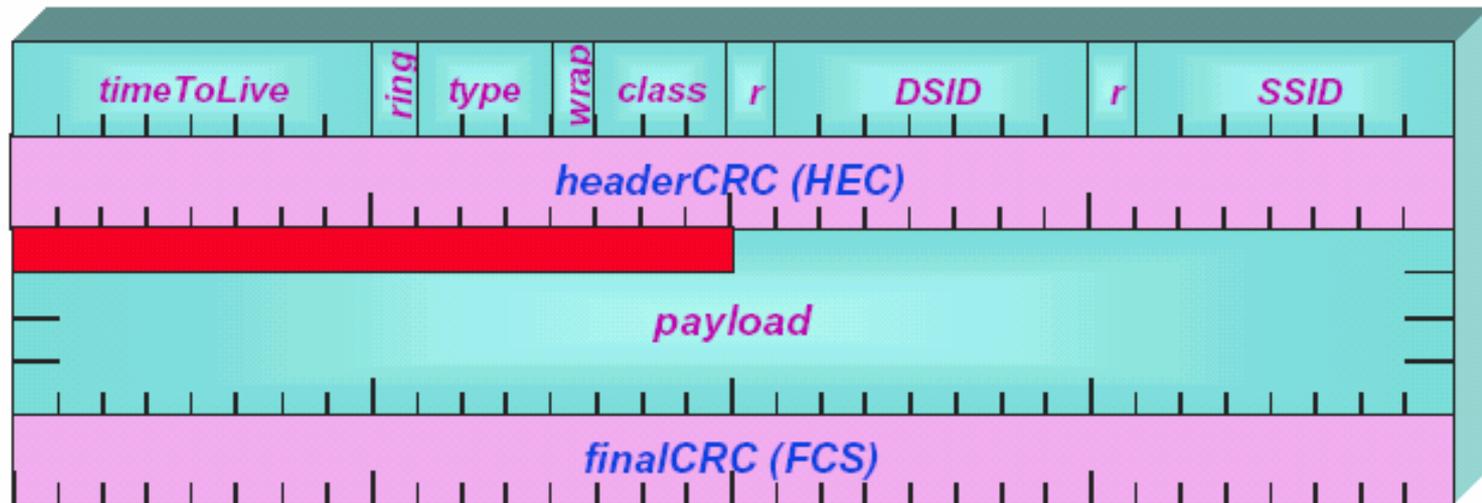
$2^{16} < (9\text{k bytes}) * 8\text{bits/byte} \rightarrow$   
16-bit FCS is insufficient

# RPR frame format



$2^{16} > (32 \text{ bytes}) * 8 \text{ bits/byte}$   
→ 16-bit HEC is insufficient?

# RPR frame format



$2^{32} > 2^{16} \text{bits/error} * 9\text{Kbytes/frame}$   
→ 32-bit HEC is sufficient

# CRC processing steps

