TÉCNICO
LISBOA
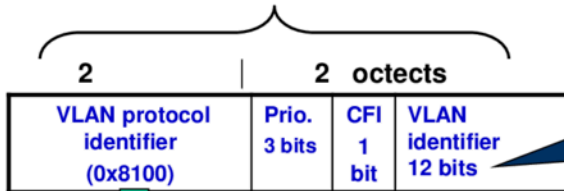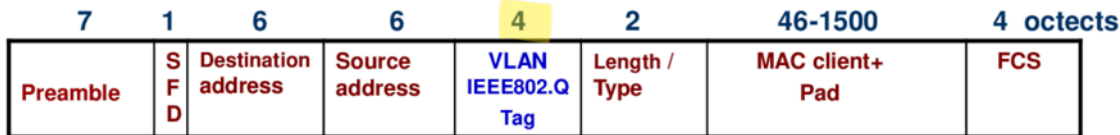
- The VLAN aware switches must be capable to segregate frames according to the VLAN they belong.

- This is achieved by adding a four- octect VLAN tag, also called Q tag, after the source field of the 802.3 original frame.

7	1	6	6	4	2	46-1500	4 octects
Preamble	S F D	Destination address	Source address	VLAN IEEE802.Q Tag	Length / Type	MAC client+ Pad	FCS

2		2 octects		
VLAN protocol identifier (0x8100)	Prio. 3 bits	CFI 1 bit	VLAN identifier 12 bits	

The field Priority (Prio.) is used to implement diferent service classes

The field CFI (Canonical Format Indicator) it is not used

Permits to support 4094* different VLANs

1000 0001 0000 0000 ➤ > 1500 : Frame type

(*) One bit is used to identify the priority frames and the other bit is reserved