

IEEE 802.11b frame structure and RTS/CTS specifications for problems 5-7 in Exercise 3

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The 802.11b frame structure in Figure 1 is not present needed to solve problems 5 through 7.

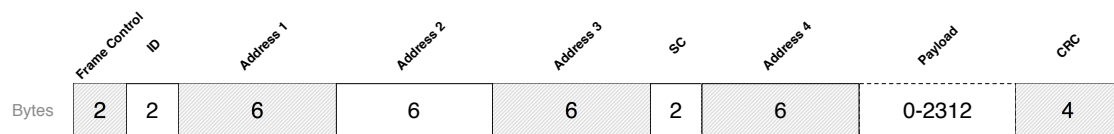


Figure 1: 802.11 frame structure

Additionally, Table 1 details the parameters in the 802.11b collision avoidance system.

Segment	Size	T_x time
DIFS	-	$50 \mu s$
SIFS	-	$10 \mu s$
RTS	160 bits	$14.45 \mu s$
CTS	112 bits	$10.18 \mu s$
ACK	112 bits	$10.18 \mu s$

Table 1: Transmission events