

Network Communications

Chapter 18

Frame Relay

Frame Relay Architecture

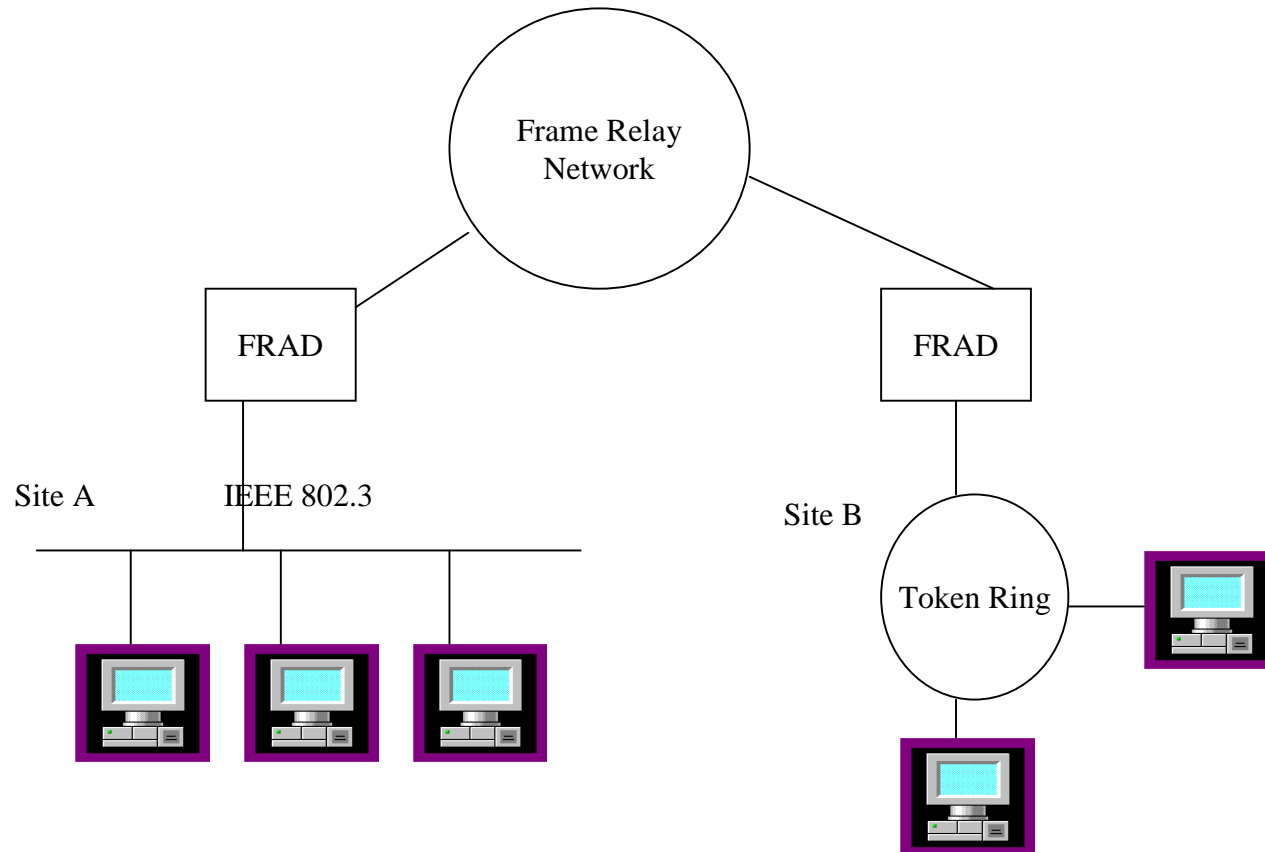


Figure 18.1

Frame Relay Reference Model

- Faster Replacement for X.25
- A Link-Level Protocol

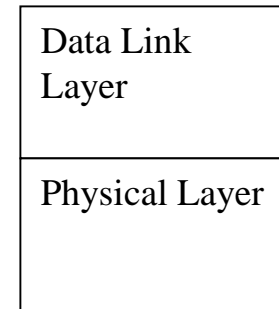


Figure 18.2

Frame Relay Network

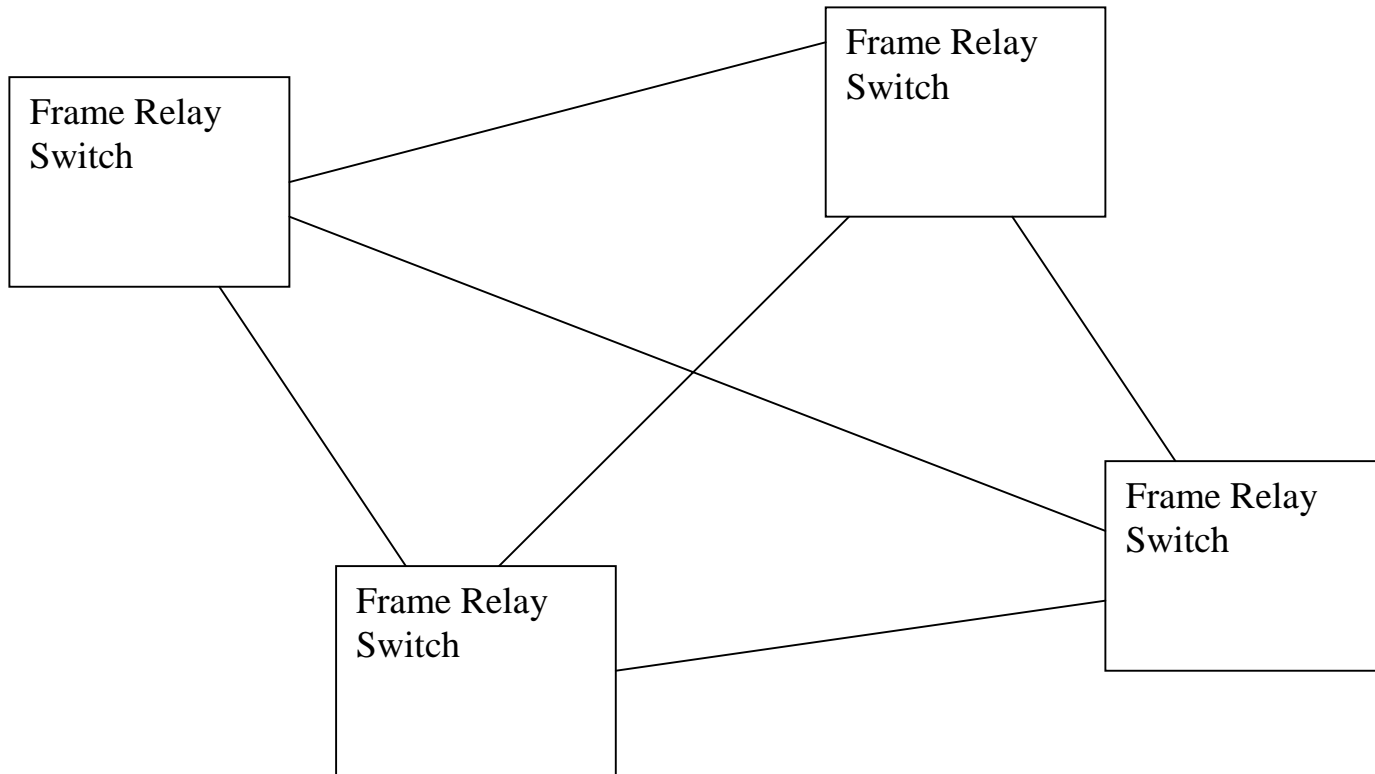
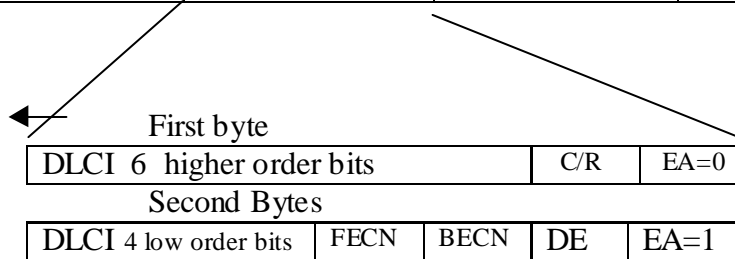
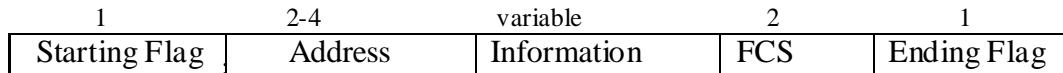


Figure 18.3

Frame Relay Format

Field Length In Bytes



2 bytes address

DLCI 6 higher order bits	C/R	EA=0		
DLCI 4 BITS	FECN	BECN	DE	EA=0
DLCI 6 low order bits	D/C	EA=1		

3 bytes address

DLCI 6 higher order Bits	C/R	EA=0		
DLCI 4 Bits	FECN	BECN	DE	EA=0
DLCI 7 Bits		EA=0		
DLCI 6 lower order bits or Control	D/C	EA=1		

Four Bytes address

Figure 18.4

Frame Relay WAN

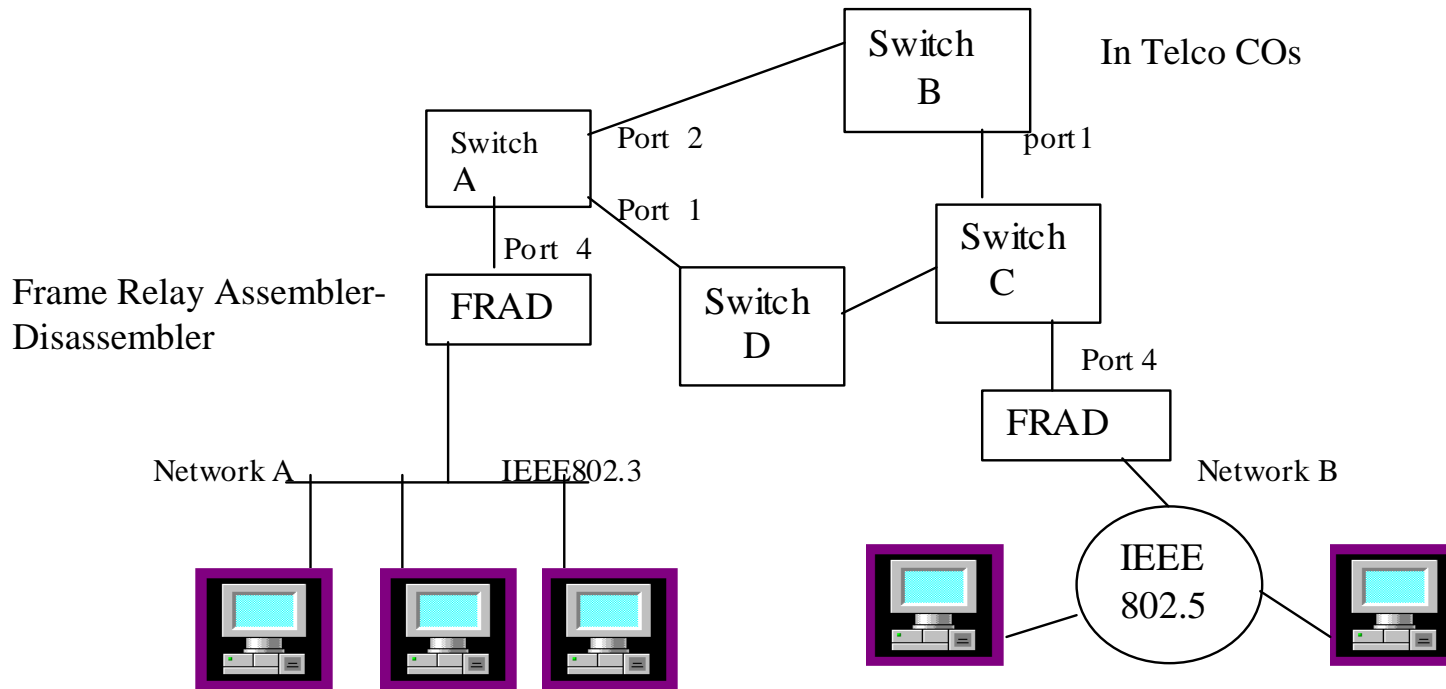


Figure 18.5