2.2 Extended Signal Multiplexing

Extended multiplexing allows defining several multiplexors in a message and a signal can be multiplexed for more than one multiplexor value. A multiplexed signal can also serve as multiplexor signal for other multiplexed signals, meaning that hierarchical multiplexing can be modeled.
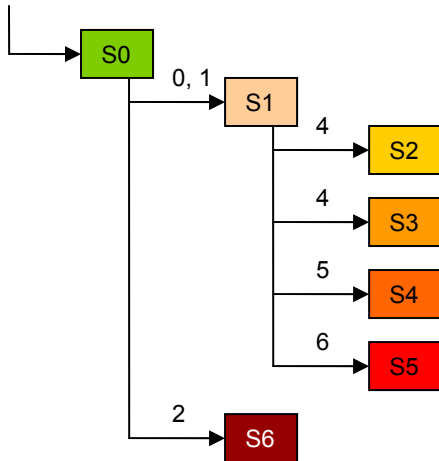

Figure 3 – Signal tree for a message with extended multiplexing
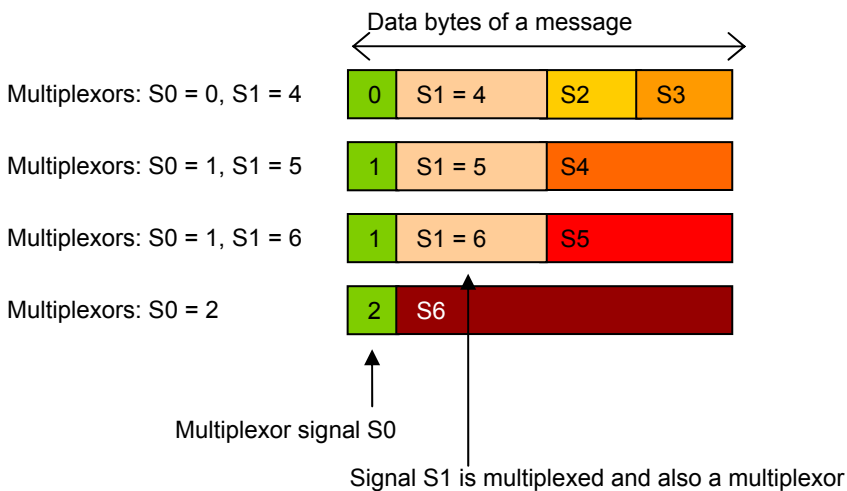

Figure 4 – Several message layout combinations for a message with extended multiplexing

In the example given above (see Figure 3) two multiplexors are defined: Signal S0 and Signal S1. Signal S1 is valid if value of Signal S0 is 0 or 1.