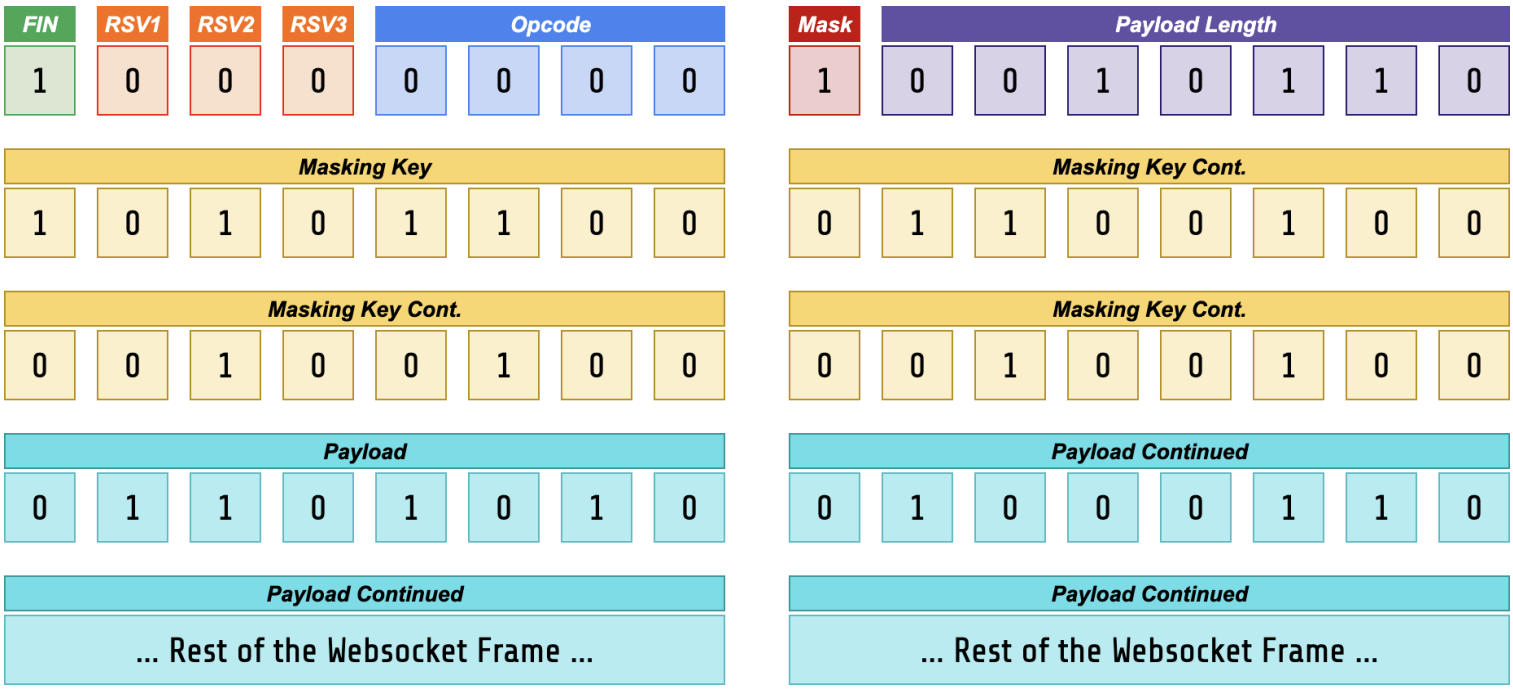
When Mask Is Present (When Mask == 1)

Payload Length < 126 Bytes

Note The payload is all the bytes that come after the masking key. DO NOT assume that it is exactly 4 bytes after the masking key

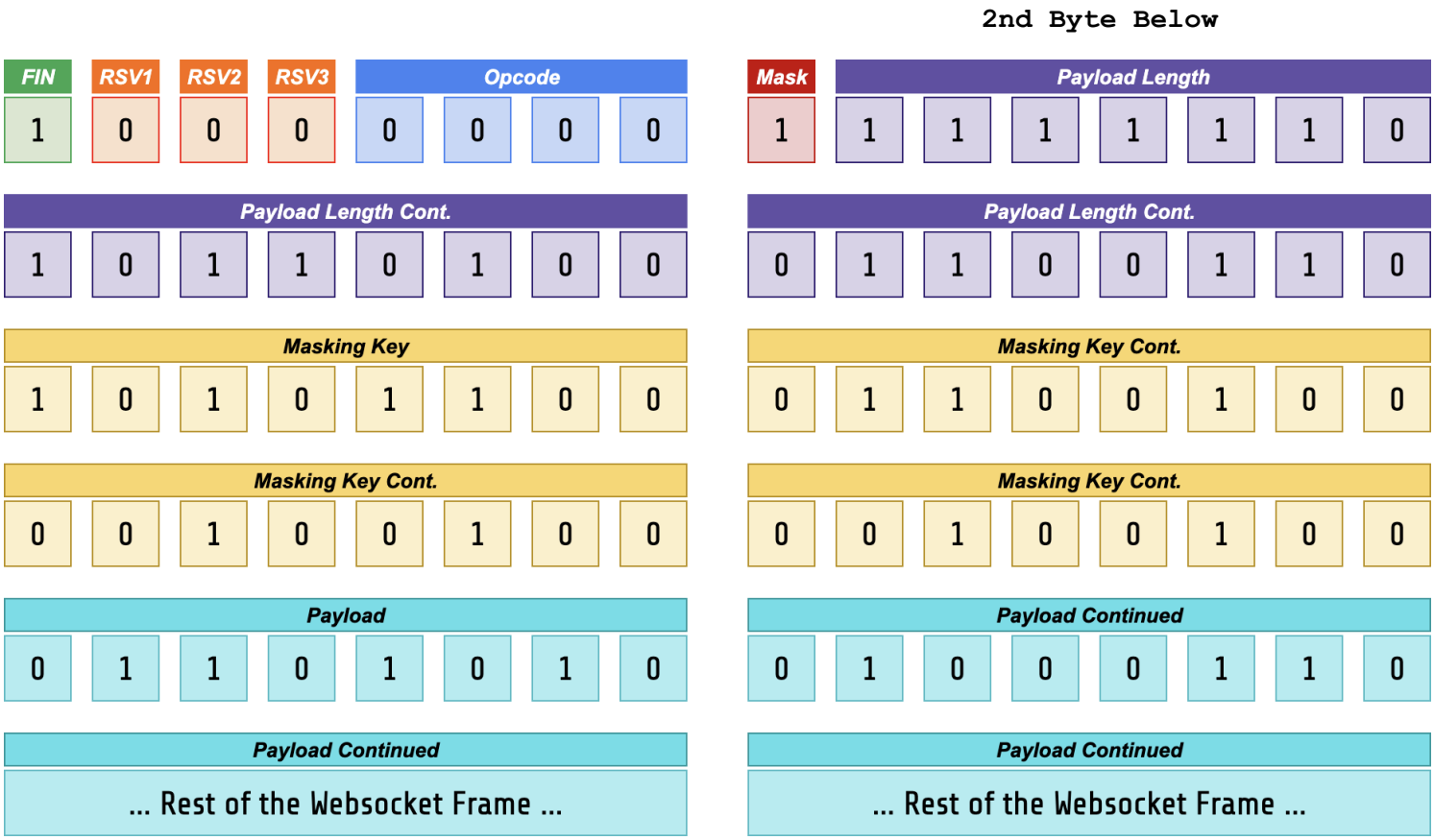


Payload Length >= 126 and < 65536 Bytes

Note 1 The payload length in the 2nd byte will be exactly 126 (1111110)

Note 2 The next 16 bits (2 bytes) after the 2nd byte is the actual payload length

Note 3 The payload is all the bytes that come after the masking key. DO NOT assume that it is exactly 4 bytes after the masking key



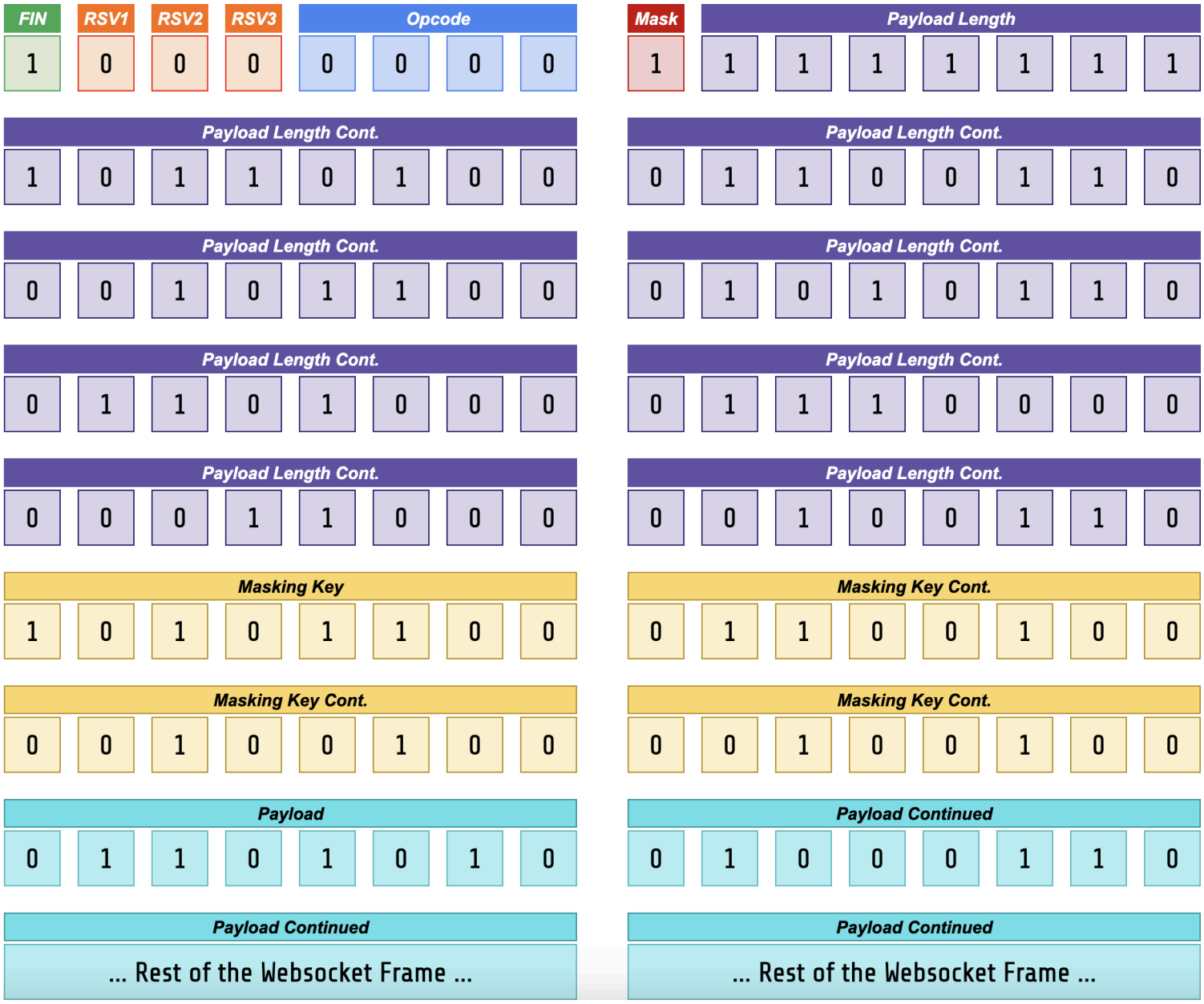
Payload Length >= 65536 Bytes

Note 1 The payload length in the 2nd byte will be exactly 127 (1111111)

Note 2 The next 64 bits (8 bytes) after the 2nd byte is the actual payload length

Note 3 The payload is all the bytes that come after the masking key. DO NOT assume that it is exactly 4 bytes after the masking key

2nd Byte Below

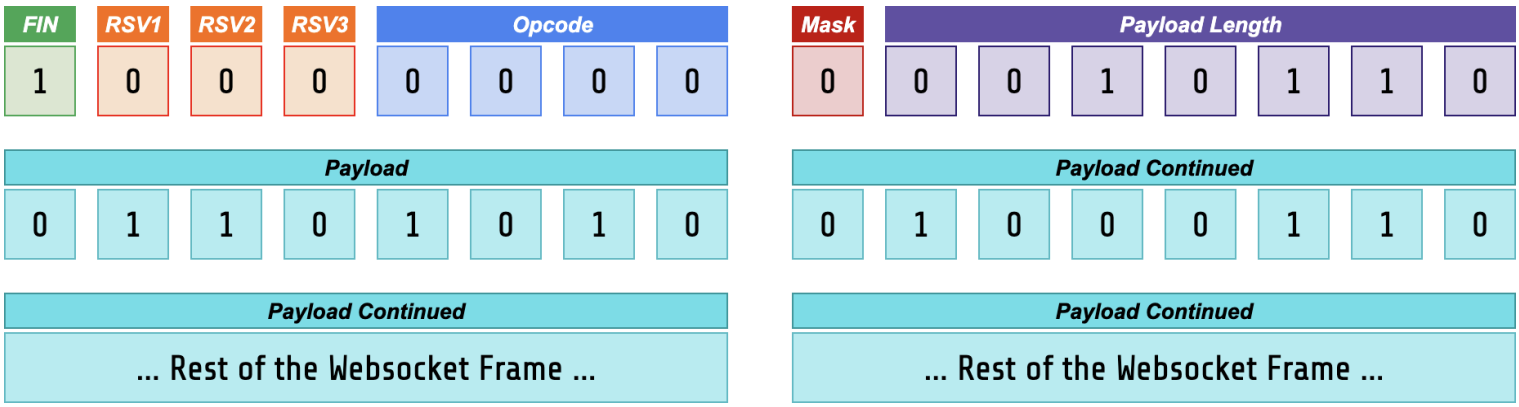


When Mask Is Not Present (When Mask == 0)

Payload Length < 126 Bytes

Note 1 The payload is all the bytes that come after the payload length. DO NOT assume that it is exactly 4 bytes after the payload length

Note 2 There is no masking key since mask is 0



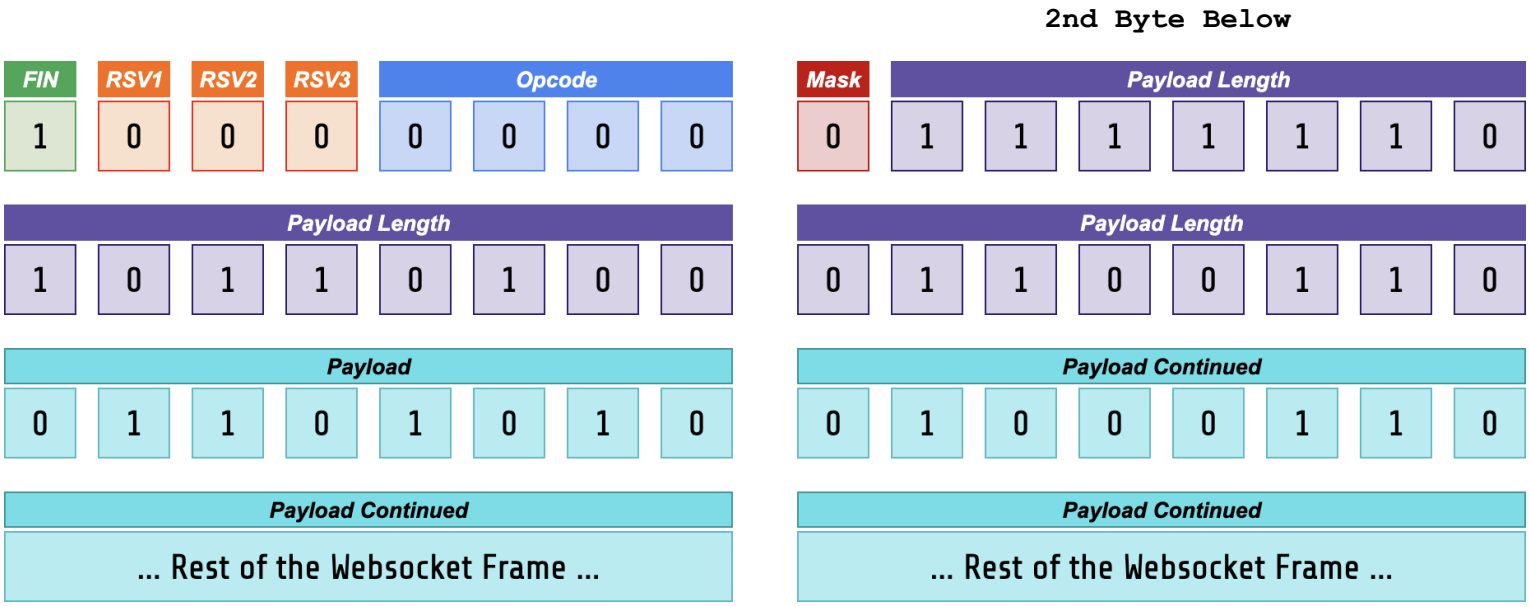
Payload Length >= 126 and < 65536 Bytes

Note 1 The payload length in the 2nd byte will be exactly 126 (1111110)

Note 2 The next 16 bits (2 bytes) after the 2nd byte is the actual payload length

Note 3 The payload is all the bytes that come after the payload length. DO NOT assume that it is exactly 4 bytes after the payload length

Note 4 There is no masking key since mask is 0



Payload Length >= 65536 Bytes

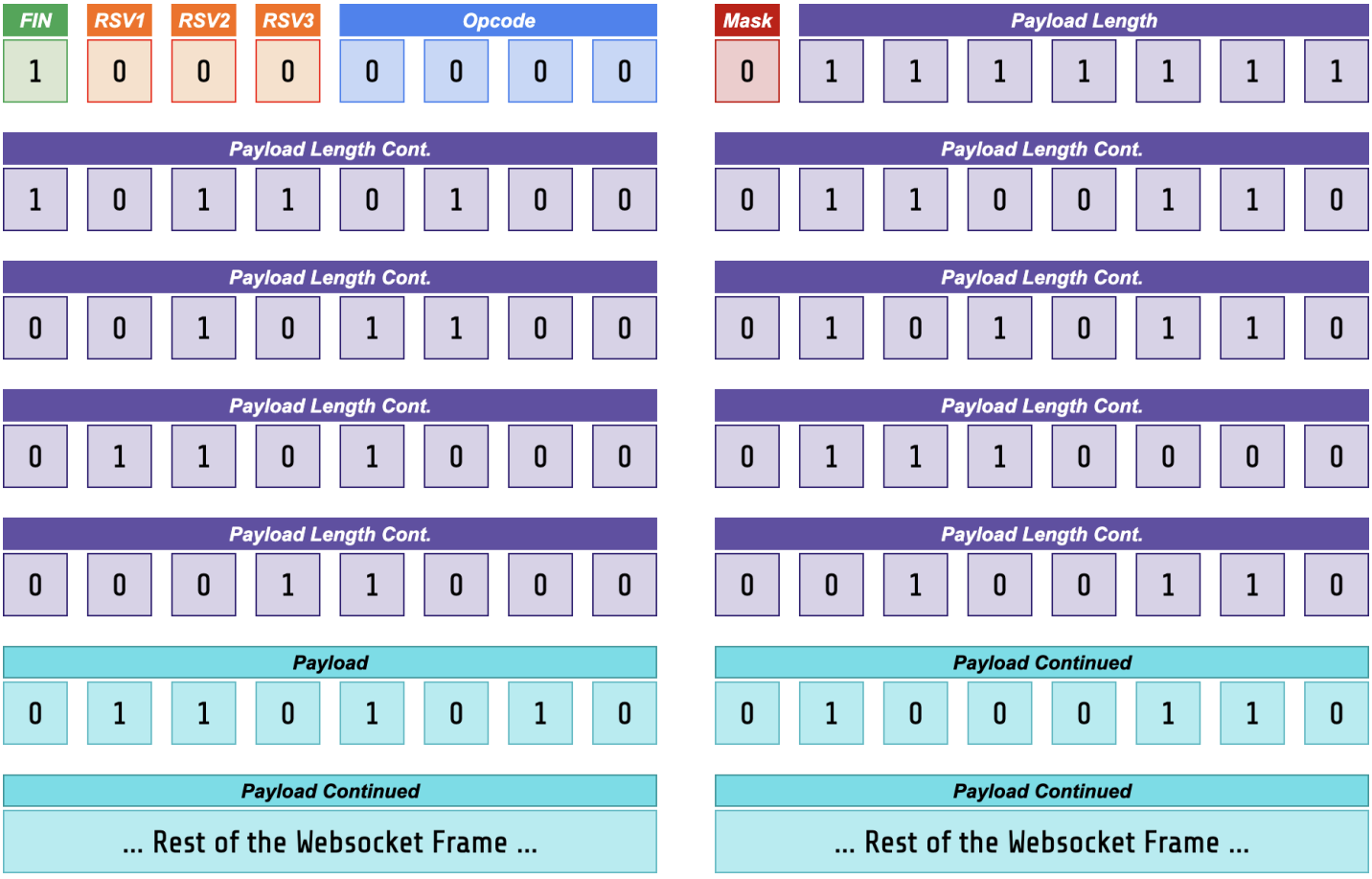
Note 1 The payload length in the 2nd byte will be exactly 127 (1111111)

Note 2 The next 64 bits (8 bytes) after the 2nd byte is the actual payload length

Note 3 The payload is all the bytes that come after the payload length. DO NOT assume that it is exactly 4 bytes after the payload length

Note 4 There is no masking key since mask is 0

2nd Byte Below



Good Luck