

ANSI E1.31-2018 sACN Packet Structure

Key

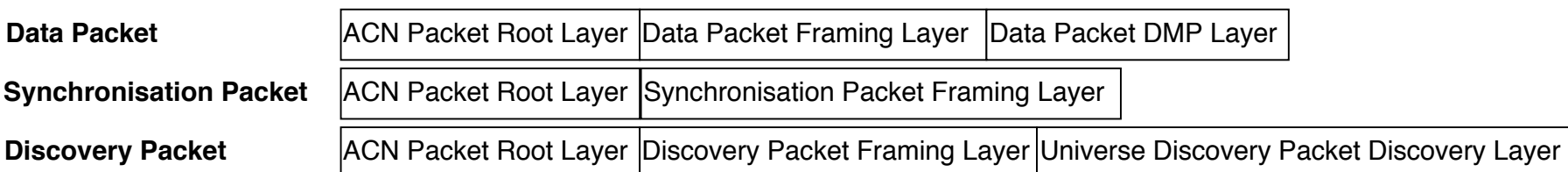
← Grey boxes and arrows are added explanation

Bold numbers show the next octet index (start at 0)

Colours within the diagram refer to specific explanation in the same colour.

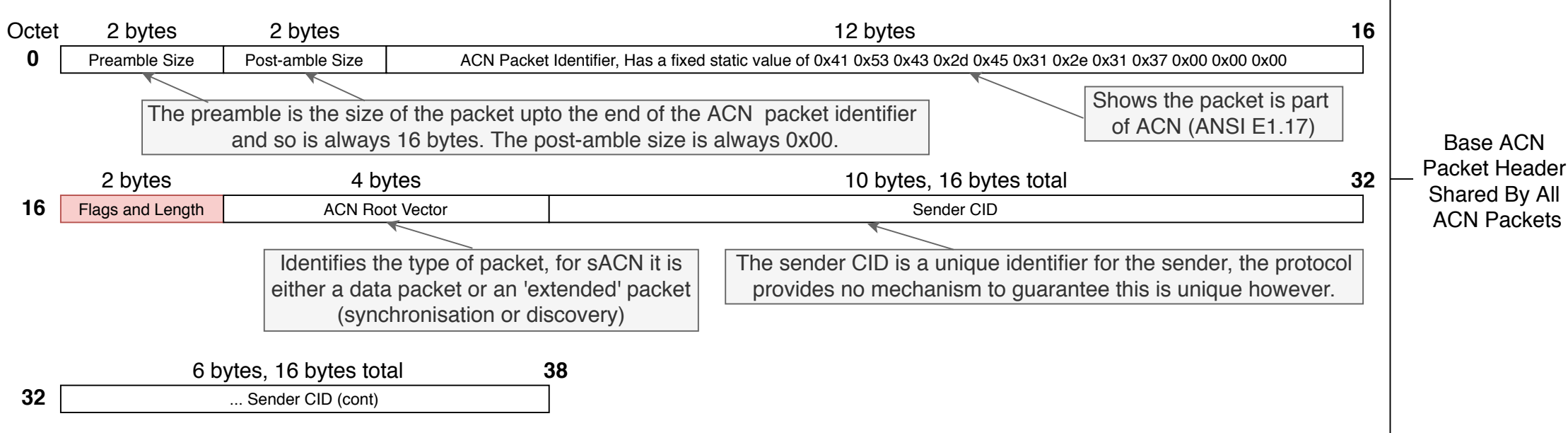
The Flags and Length field appears frequently throughout the packet structure, the field contains 2 parts. The flags which are the upper 4 bits and for sACN is always 0x7. The length is the bottom 12 bits and is the length of the rest of the packet in bytes including the flags and length field.

General Packet Structures (Not to Scale)



ACN Packet Root Layer

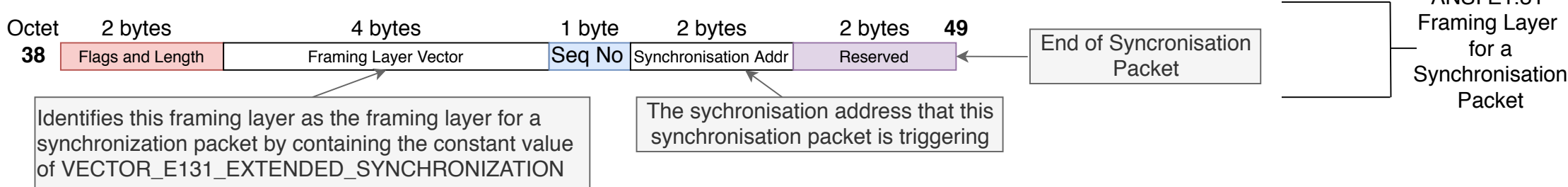
16 bytes (all packets to scale unless otherwise noted)



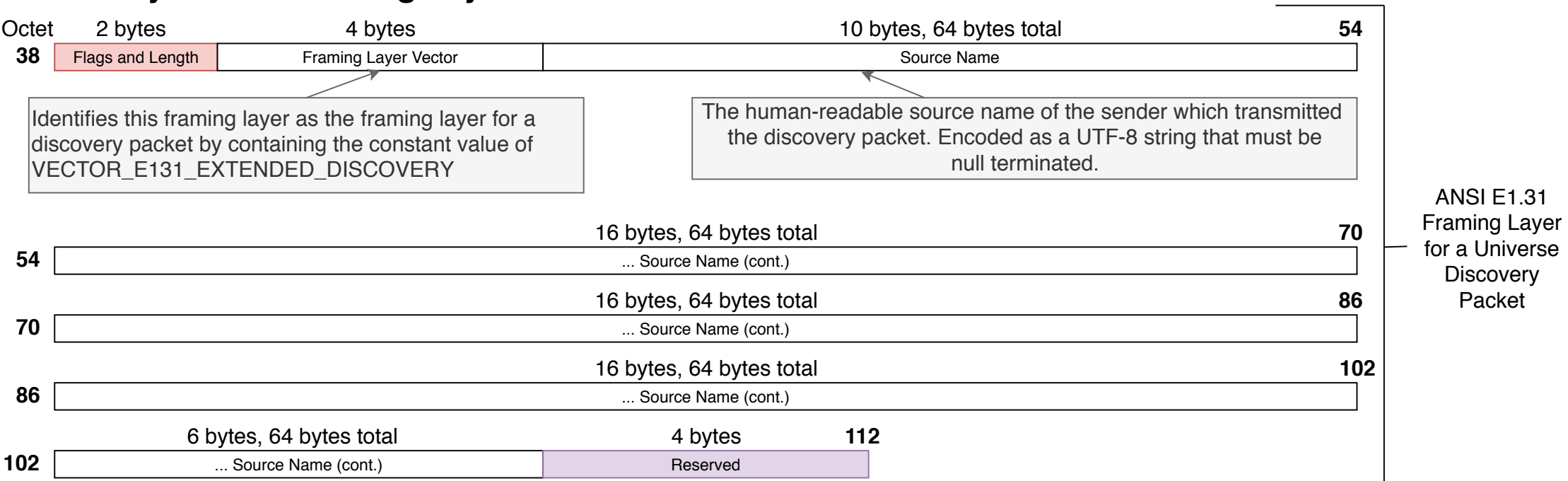
Synchronisation Packet Framing Layer

Reserved space which is ignored by receivers and transmitted as 0's by senders.

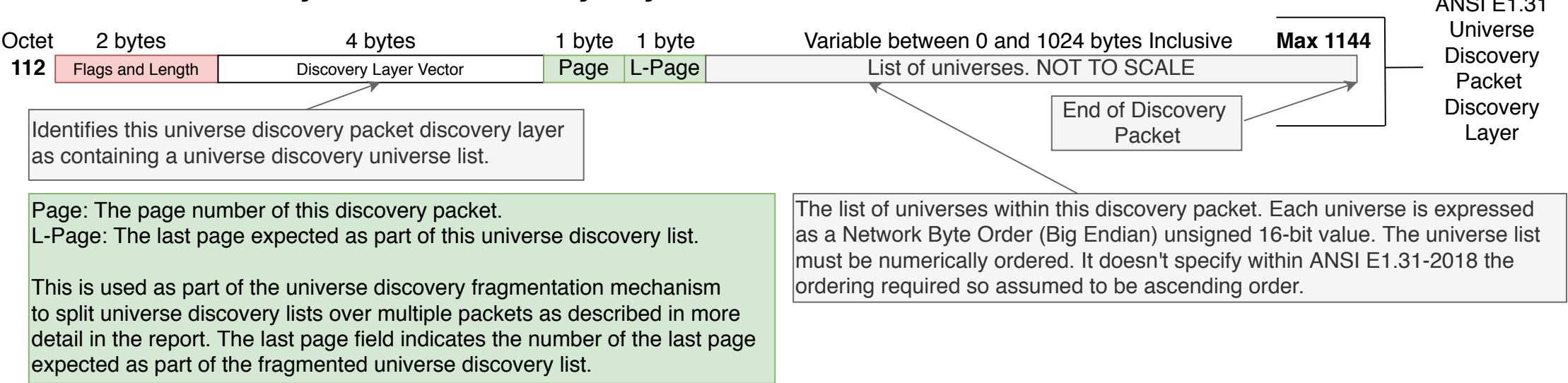
The sequence number field (described in more detail in report body)



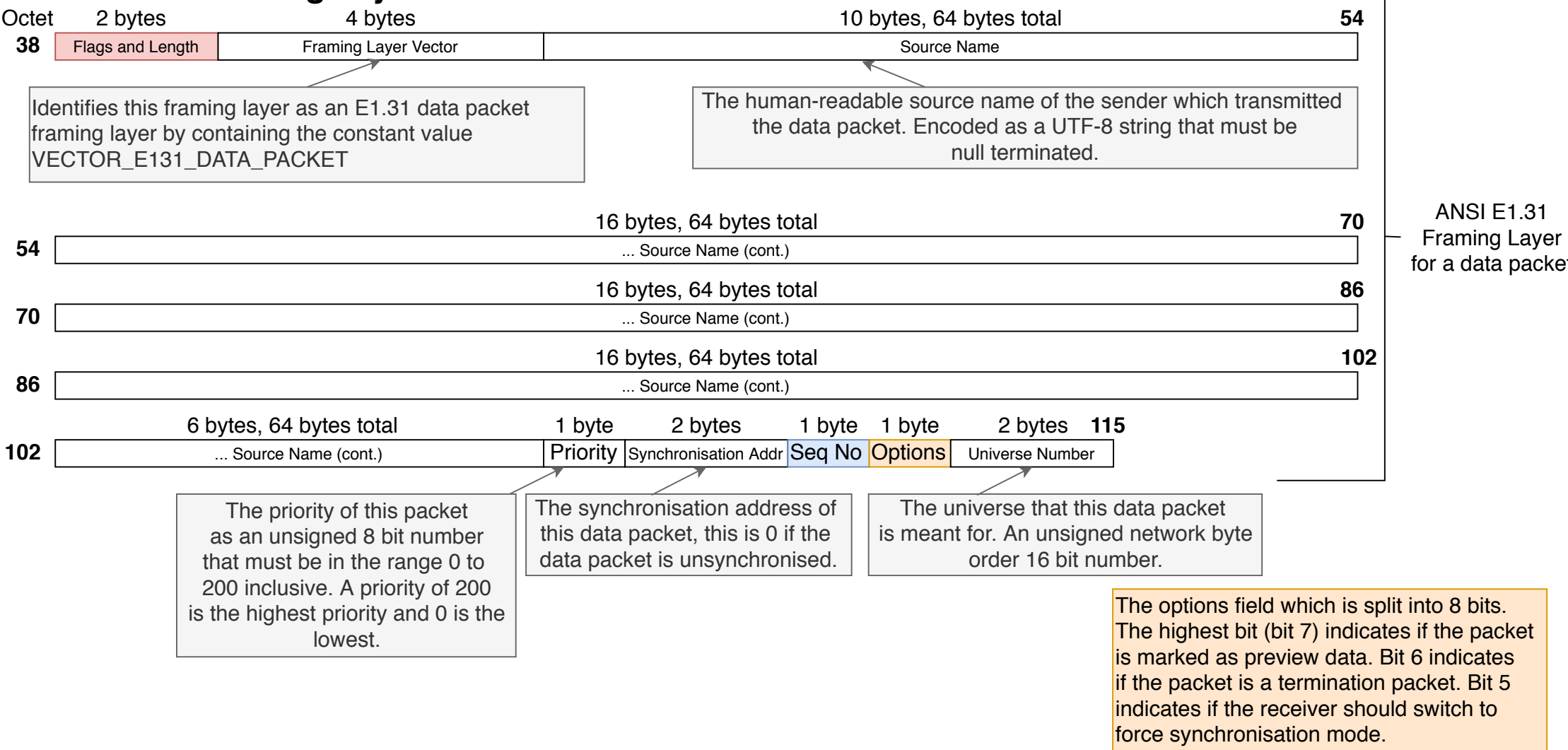
Discovery Packet Framing Layer



Universe Discovery Packet Discovery Layer



Data Packet Framing Layer



Data Packet DMP Layer

