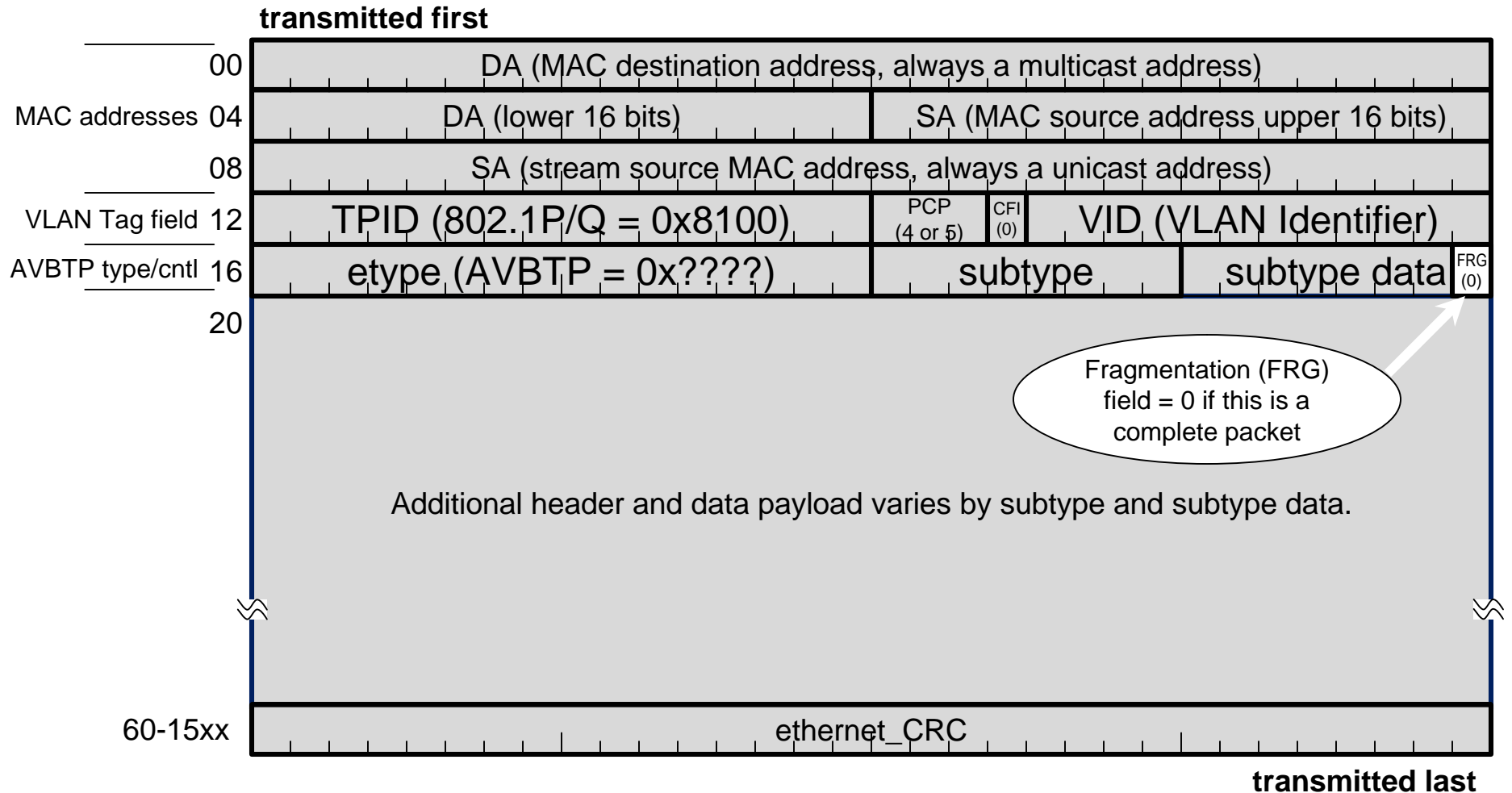


AVBTP  
Packet Fragmenting Proposal  
(revised)

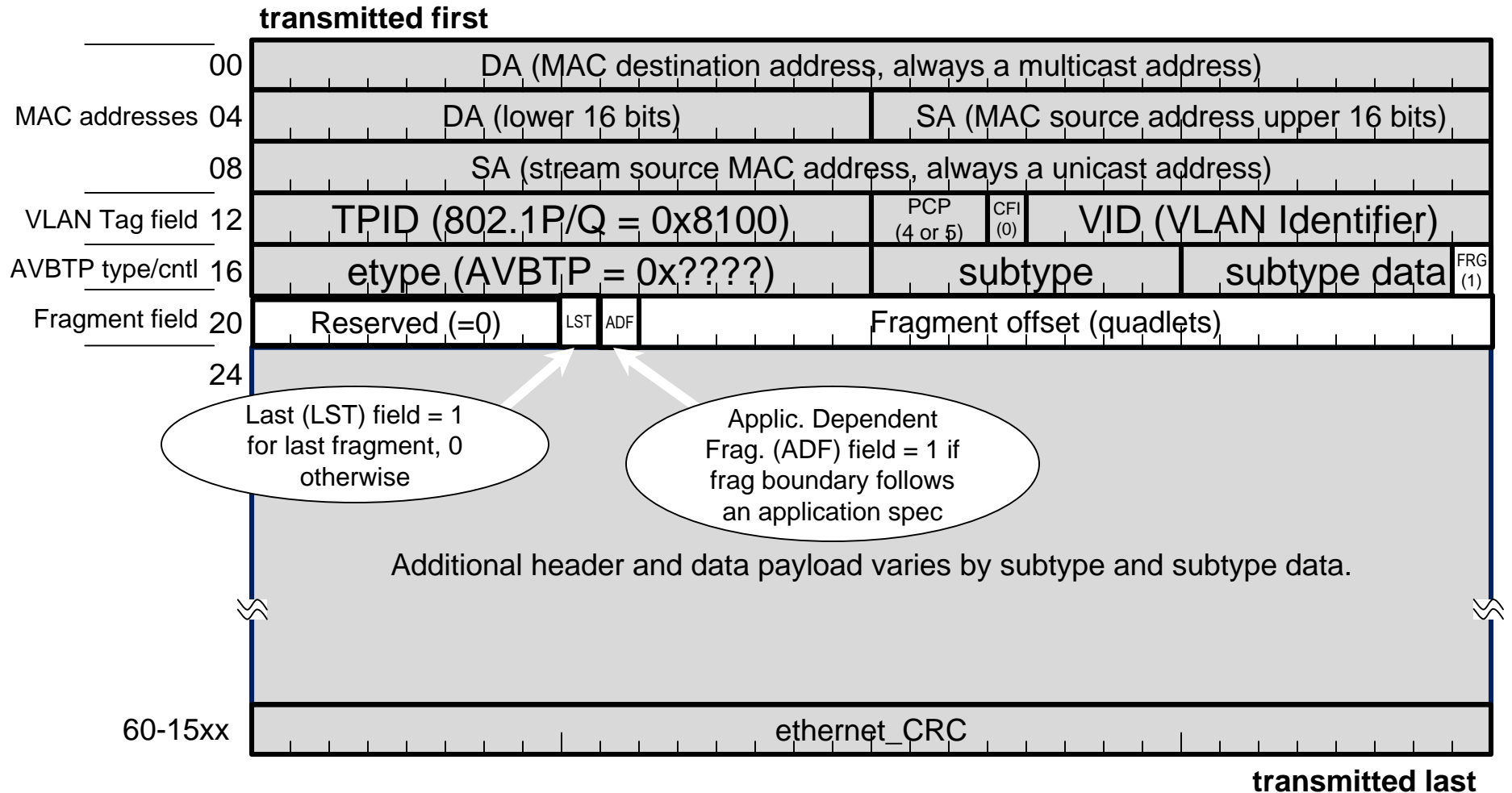
Chuck Harrison

30 June 2007

# Draft AVBTP Packet - unfragmented



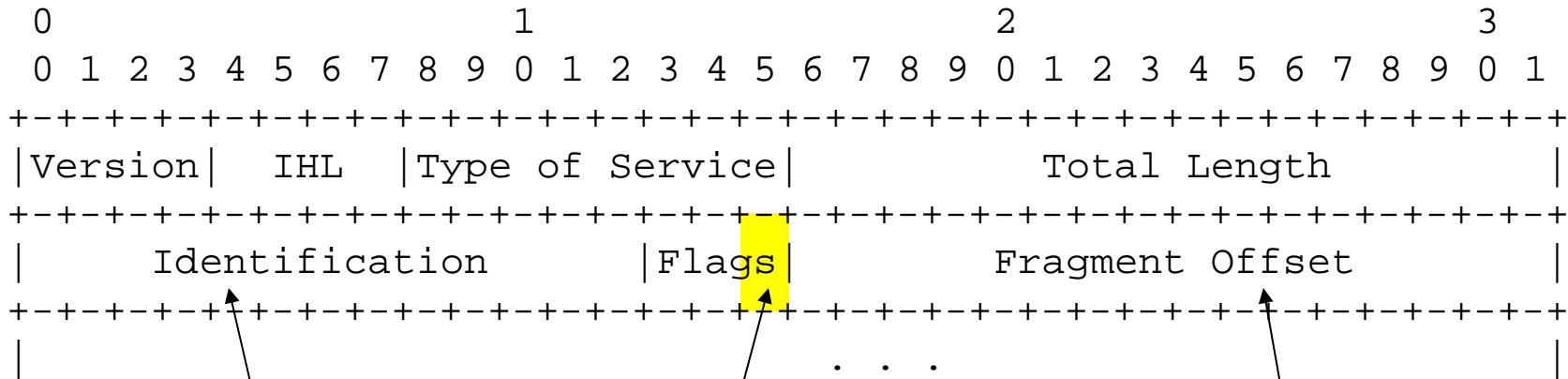
# Draft AVBTP Packet - fragmented



# Feature summary

- Can operate as “pure transport layer”
  - Completely transparent to application data structure, similar to IP
  - Signified by  $ADF = 0$
  - Layer independence & forward compatibility: arbitrary new application data types / subtypes can be carried
- 61883 CIP optimization (mandatory for P1722?)
  - Fragmentation is required to be on data block and/or source packet boundaries (varies by media type)
  - Reduced complexity of receiver implementations(?)
  - “Layer breaking” signified by  $ADF=1$

# IP transport header (ref)



MF flag:  
 0 = Last fragment  
 1 = More fragments follow

Offset in units of 64 bits  
 (8 byte chunks)

Identification:  
 Uniquely identifies a "stream"  
 for reassembly  
 (in case SA + DA + protocol  
 are not adequately unique)