Updated Formula for FEC_Overhead()

```
FEC_Overhead( length )
{
    byte_time ⇐ byte_time Mod 248
    return 32 * ⌊(byte_time + length) / 216⌋
}
```

Don’t use magic numbers

- Define:
  - FEC_PAYLOAD_SIZE
    - Value: 216 (FEC_DSize * 8)
  - FEC_PARITY_SIZE
    - Value: 32 (FEC_PSize * 8)
  - FEC_CODEWORD_SIZE
    - Value: FEC_PAYLOAD_SIZE + FEC_PARITY_SIZE

Updated Formula for FEC_Overhead()

```
FEC_Overhead( length )
{
    byte_time ⇐ byte_time Mod FEC_CODEWORD_SIZE
    return FEC_PARITY_SIZE * ⌊(byte_time + length) / FEC_PAYLOAD_SIZE⌋
}
```

Issues with Gap

- Example
  - MinIPG = 12 bytes
  - Overhead = 32 bytes
  - Total gap = 44 bytes

  DTIIIIII IIIIIIII IIIIIIII IIIIIIII
  IIIIIIII IIIISDDD

- Want to delete 4 blocks for parity, but can delete only 3

How to calculate Length

```
int16s length = 8 * ⌈(sizeof(data_tx) + TAIL_GUARD )/8⌉

Packet_initiate_timer = length + FEC_Overhead(length)
```