

# **9. ULE Extension Formats for DVB-S2**

Gorry Fairhurst

ULE and GSE can share the same type space

GSE frames >> MPEG-2 TS Packets

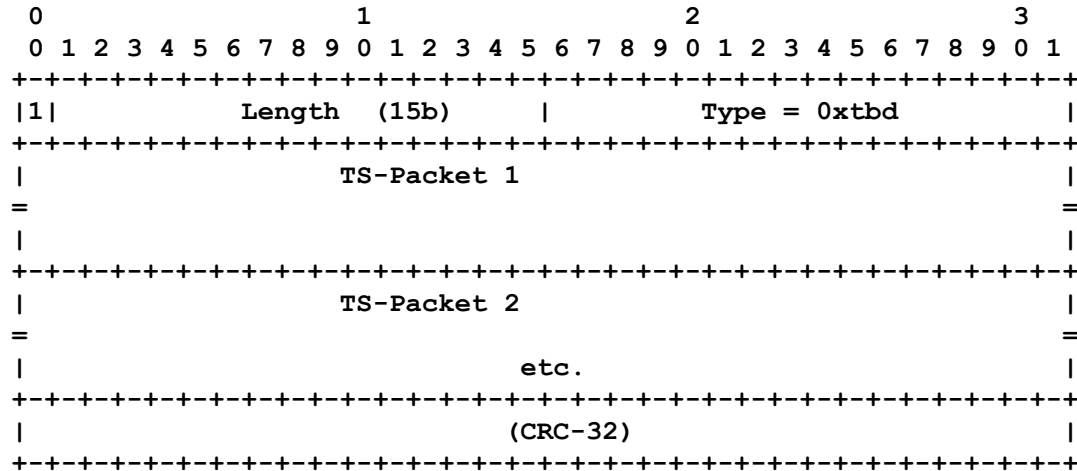
- High link rates
- Small packet overhead a concern

GSE lacks a signaling plane

- Needed for clock timing (NCR)
- Needed for service description (SI)
- Needed for address resolution

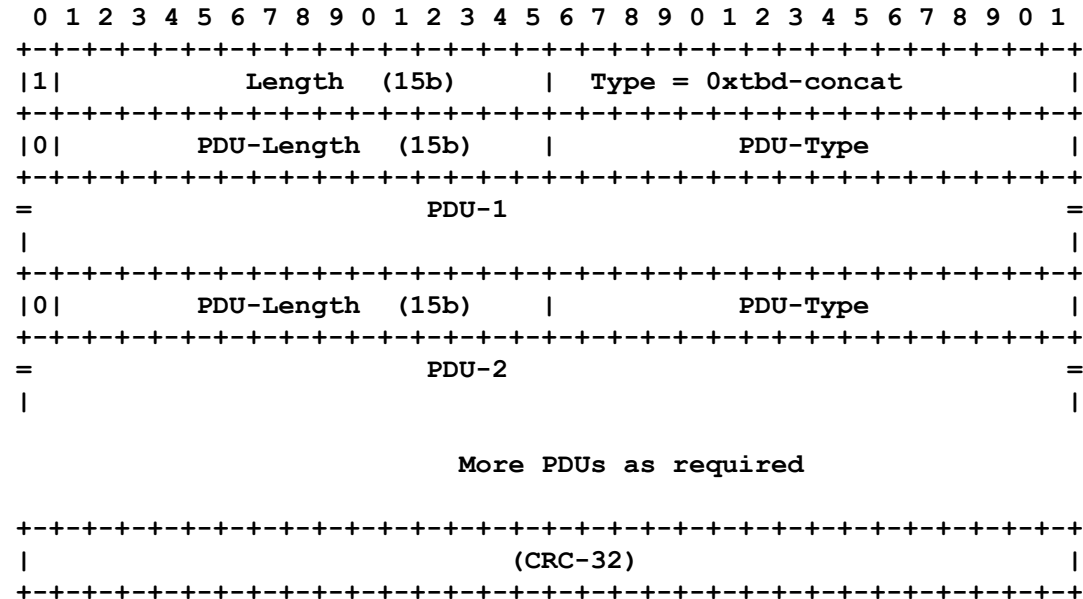
Goal define 2 simple extensions to allow this

# Format for TS Packets



1 or more MPEG-2 TS Packets

# Format for PDU concat



## Saves overhead for small PDUs

- any type of PDU
- overhead of MAC address
- processing overhead at high speed