ESC RS-485/UDP Packet Example

Header (32b)	Payload Type (16b)	Payload Length (16b)	FSM Fault Response Payload (4B)					Footer (32b)	CRC32 (bzip2 poly)
			P1V2 O/C: 0 (1b)	P3V3 O/C: 0 (1b)	P5V0 O/C: 1 (1b)	P24V0 O/C: 0 (1b)	Reserved (4b+3B)		

Payload length: CCSDS (space) uses 8k packets

Recommended but not required that all payloads are multiples of 32bits

?Do we need NACK for high-speed re-transmit (i.e. DM)? => implies Sequence Number/PktID (16b); ...otherwise corrupted packets are simply ignored and last commanded value used on actuators
* using a 32b value for the sequence would allow some add'l checksum or parity to be built into seq number in case of extreme corruption and keep packet 32b aligned...