

FEC Requirements Survey

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Intention

- Capture our understanding of FEC parameters
- Define requirements for FEC for experts
- Provide a framework for comparison of FEC proposals

FEC Requirements Survey

Parameter	RS(255,239)	RS(512,X) RS(1023,x)	Desirable (or allowable)
PIN coding gain	3dB	4dB	Best possible
APD coding gain	4dB	5dB	Best Possible
FEC overhead	7%	13%	<15%
Codeword size	2K bits	2-4K bits	Different for D/S or U/S <8K bits??
Encoder Complexity	1	2	Least
Decoder Complexity	10	20	Least