RECOMMENDATIONS FOR CELL LOSS EXPERIMENTS

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- I. For comprehensive evaluation of ATM cell-loss resilience, a number of factors need to be considered. These include:
- (1) Codec Mode (Prediction Method, Normal/Low Delay, Bit-rate, VBR/CBR, 1/2 Layer, Traffic Shaper)
- (2) ATM Transport Mode (VBR/CBR, Peak Control, Average Control, HP/LP Priority)
- (3) ATM AAL Features (SEQ #, CRC, Entry Pointer, MB/Slice#)
- (4) ATM Network Scenario (CLR's for: CBR, Strictly regulated VBR (e.g. Telco Widearea), loosely controlled-VBR (e.g. stat-mux local area)
- (5) Decoder Concealment features (temporal/spatial/adaptive, use of MC)

II. SUGGESTED CORE EXPERIMENTS

Encoder Mode	ATM Transpo rt Mode	ATM AAL	Decoder Conc.	ATM Network Scenario			Results
		·		Descr.	HP CLR	LP CLR	
MPEG TM1 Normal 4 Mbps, CBR 1 layer	CBR 1 Priority	N/A	To be specified by experime nter	Fixed CBR	-	10 ⁻⁸ to 10 ⁻⁶ Random	
MPEG TM1 Normal 4Mbps avg VBR 1 layer	VBR/w Peak & Avg. Cont. 1 Priority	SEQ#, CRC, Entry Pt.	n	Reg. VBR	-	10-4 to 10-6 Random	
MPEG TM1 Normal 4Mbps avg VBR 2 layer	VBR/w Peak & Avg. Cont. 2 Priority	"	11	Loose VBR	10- ⁷ to 10- ⁵ Random	10-2 to 10-4 Corr.	
MPEG TM1 Normal 4Mbps 1- layer	VBR/w Peak Contr. 1 priority	11	11	11	11	11	
with: low delay	11	11	11	11	**	11	