

Appendix 3
Interface Inventory for Station In & Out Group, 3/18/98

From #	To #	From Name	To Name	Interface Name	Comments
1	2	RF Feed Horn	LNB	EIA 310	Ku Band; Frequency dependent
1	2	RF Feed Horn	LNB	EIA 310	C Band; Frequency dependent
1	48	RF Feed Horn	LNB	EIA 310	Ku Band; Frequency dependent
1	48	RF Feed Horn	LNB	EIA 310	C Band; Frequency dependent
2	3	LNB	Demodulator	EIA ?	50 ohm; type N connector
2	3	LNB	Demodulator	ANSI ?	50 ohm; male ends
2	3	LNB	Demodulator	EIA ?	75 ohm; type F connector
2	3	LNB	Demodulator	ANSI ?	75 ohm; male ends
3	4	Demodulator	Demultiplexer	TIA 250C	Baseband Audio/Video: 75 ohm BNC, 8281 or RG-59
3	4	Demodulator	Demultiplexer	TIA 250C	Composite Video/Audio: 75 ohm BNC
3	4	Demodulator	Demultiplexer		ASI (Fiber)
3	4	Demodulator	Demultiplexer	DVB-ASI	Digital DVB: 75 ohm BNC
3	4	Demodulator	Demultiplexer	SCTE DVS110 (proposed)	Digital GI: Separate clock & data multipin; Shielded twisted pairs; Belden 8728
3	4	Demodulator	Demultiplexer		DS3 G.703: Lucent 734 or 735
3	4	Demodulator	Demultiplexer	Proprietary	HSSI - separate clock & data: DB-9; de facto standard; shielded twisted pair
48	49	LNB	Demodulator	EIA ?	50 ohm; type N connector
48	49	LNB	Demodulator	ANSI ?	50 ohm; male ends
48	49	LNB	Demodulator	EIA ?	75 ohm; type F connector
48	49	LNB	Demodulator	ANSI ?	75 ohm; male ends
49	50	Demodulator	Demultiplexer	SCTE	Private or standard MPEG Mapping:
49	50	Demodulator	Demultiplexer		Private or standard MPEG Mapping: ASI
49	50	Demodulator	Demultiplexer		Private or standard MPEG Mapping: SSI
49	50	Demodulator	Demultiplexer	SMPTE 305M?	DS-3
49, 56, 61	97	Demodulator	8-VSB Exciter	SMPTE 310M	single wire
49, 56, 61	97	Demodulator	8-VSB Exciter		ECL; single twisted pair
49, 56, 61	97	Demodulator	8-VSB Exciter		Diff ECL; dual twisted pair
49, 56, 61	97	Demodulator	8-VSB Exciter		HSSI; coax
55	56	Microwave	Demodulator	EIA	DS3: 75 ohm BNC; Lucent 734 or 735; RG59 B/U or RG6
55	56	Microwave	Demodulator	EIA	STS 1: 75 ohm BNC
55	56	Microwave	Demodulator		STS 3: Optical; Single or Multimode

From #	To #	From Name	To Name	Interface Name	Comments
55	56	Microwave	Demodulator	EIA	E3: 75 ohm BNC; Lucent 734 or 735
60	61	Fiber	Demodulator		DS3 (common carrier); Can be mapped as asynchronous adaptation layer 1 and 5
60	61	Fiber	Demodulator		OC3e (common carrier); Can be mapped as asynchronous adaptation layer 1 and 5
60	61	Fiber	Demodulator		OC12 (common carrier); Can be mapped as asynchronous adaptation layer 1 and 5
60	61	Fiber	Demodulator		• • • 4• Mbps to 1.7 Gbps (private); Can be mapped as asynchronous adaptation layer 1 and 5
90	93	ATSC Multiplexer	STL		Existing: Leitch Digi-Bus
90	93	ATSC Multiplexer	STL	SMPTE 310M	single wire; BNC
90	97	ATSC Multiplexer	8-VSB Exciter	SMPTE 310M	no STL, Co-located; 75 ohm
93	97	STL	8-VSB Exciter	SMPT 310M	
93	98	STL	NTSC Transmitter	SMPTE	Video/Audio (non-BTSC): 75 ohm (8281); shielded twisted pair
93	98	STL	NTSC Transmitter	EIA 250C	NTSC Video: 75 ohm or coax RG59/BU, RG6
95	101	Decoder	BTSC Audio		75 ohm, BNC; 8281
97	99	8-VSB Exciter	DTV Transmitter		Internal to Transmitter: (for all manufacturers except GA at WHD-TV)