

**Comments on Table B: Changes to Transmission Equipment Dimensioning and other Parameters
From Attachment 3 to Appendix G-A prepared by CostQuest Associates**

Item	Old Value	Revised Value	CostQuest Recommendation	CostPro Table	Reason for change	Comment	
STM-1 interface on a STM-4 Terminal shelf, MaxE1Qty	252	63	63	tblTRTransEquip	Original value was incorrect. Max E1 capacity for a STM-1 interface should be 63 E1s.	The corrected value is acceptable. The original value assumed maximum interfaces placed. 4X63	
STM-1 interface on a STM-4 Terminal shelf UnitsReq	1	4	4	tblTRTransEquip	Original value was incorrect. Requiring 4 STM-1 interfaces to fill a STM-4 terminal shelf.	The corrected value is acceptable. The original value assumed maximum interfaces placed. 1 unit equaled 4 interfaces.	
STM-1 interface on a STM-16 Terminal shelf, MaxE1Qty	1008	126	126	tblTRTransEquip	Original value was incorrect. A Dual STM-1 interface tributary card is used. Max E1 capacity for a dual STM-1 interface should be 126 E1s.	The corrected value is acceptable. The original value assumed maximum interfaces placed. 8x126	
STM-1 interface on a STM-16 Terminal shelf, UnitsReq	1	8	8	tblTRTransEquip	Original value was incorrect. Requiring 8 dual STM-1 interfaces to fill a STM-16 terminal shelf.	The corrected value is acceptable. The original value assumed maximum interfaces placed. 1 unit equaled 8 interfaces.	
STM-1 interface on a STM-64 Terminal shelf, MaxE1Qty	4032	1008	1008	tblTRTransEquip	Original value was incorrect. The item comprises 16 x STM-1 interfaces and Max E1 capacity should be 1008 E1s.	The corrected value is acceptable. The original value assumed maximum interfaces placed. 4x1008	
STM-1 interface on a STM-64 Terminal shelf, UnitsReq	1	4	4	tblTRTransEquip	Original value was incorrect. The item comprises 4 X 16-STM-1 interfaces to fill a STM-64 terminal shelf.	The corrected value is acceptable. The original value assumed maximum interfaces placed.	
Digital Cross Connect Shelf: Max E1 & system capacity	540	630	630	tblTRTransEquip	Revised values reflect a better understanding of how the values are used in the model.	The corrected value is acceptable.	
Digital Cross connect card Max E1 Capacity	8	31	31	tblTRTransEquip	Revised values reflect a better understanding of how the data is used in the model.	The corrected value is acceptable.	
Max system capacity Units required	63	8	630	20	630 and 20	Revised values reflect a better understanding of how the data is used in the model.	The corrected values are acceptable.
Remote/switch cross over point	8000 lines	7400 lines	8000 Lines	tblSWEengineeringRules	With updated traffic levels, RLU traffic is now too high to fit onto 1 STM link in some ESAs	We believe the original value is acceptable.	
Manhole spacing	Urban 135m Rural 237m	Metro 100m Urban 200m Suburban 750m Rural 1500 m	Metro 100m Urban 200m Suburban 750m Rural 1500 m	TblTRMHPolespacing	These are longer than in existing model and reflect distances that are more appropriate for a core as opposed to access network (the basis for the existing model). Data is from Telecom's records.	However, if/where the core network path can be shared with access, then the access distances should dominate. This, however, implies a greater attribution of costs to access (since access causes the more frequent placement of manholes).	
Distance between joints	1100m	4000m buried 2000m ducted	4000m buried 2000m ducted	Recalculated costs are splicing col of coltblTRFiber	These are longer than in existing model and reflect distances that are more appropriate for a core as opposed to access network (the basis for the existing model).	The values are acceptable on average, but toward the high end of the reasonable range. Values should be based on reel lengths and pulling tensions.	