

TRUNK TRANSMISSION MAINTENANCE INDEX NOISE COMPONENT INDEX TABLES

1.01 This section provides tables for use in rating performance in control of message circuit noise levels in trunks. These index tables are the System standards of performance for this component. This section is reissued to make minor corrections in Table I and change the format of Table II.

1.02 The index tables apply to all trunks which have gain devices or make use of outside plant facilities.

1.03 Performance in the control of noise is determined in the following manner:

SUBCOMPONENT	WEIGHTING %	INDEX TABLE
1. Percent Measurements Exceeding Maintenance Limit	90	I
2. Percent Required Measurements Completed	10	II

1.04 The accuracy of the index depends on whether the measurements taken in any quarter are a representative sample of the actual performance of all trunks. Fig. 1 provides curves which permit an estimate of the accuracy of a sample.

1.05 Accuracy is indicated in Fig. 1 on the basis of the 90% confidence limits, ie, there is a 90% assurance that the real answer is within a certain number of points of the sample result. Sampling accuracy concerns only the performance component as indicated in Table I. The curves of Fig. 1 are therefore arranged on this basis.

1.06 As an example, assume a sample of 2,000 noise measurements which produce a performance component, from Table I, of 86.0. Entering Fig. 1, the upper curve labeled "86" indicates the real value may have been 0.5 index point higher. The lower curve labeled "86" indicates the real answer may have been as much as 0.6 index point lower. Thus, the confidence interval is +0.5 to -0.6, and the confidence limits are 85.4 to 86.5, for this example.

TABLE I
INDEX TABLE

Percent Trunk Noise Measurements Exceeding Maintenance Limit					
PERCENT STEP	SUBCOMP. INDEX	COMP. POINTS	PERCENT STEP	SUBCOMP. INDEX	COMP. POINTS
0	100.0	90.0	16.1-16.3	89.0	80.1
.1- .3	99.8	89.8	16.4-16.6	88.5	79.7
.4- .6	99.6	89.6	16.7-16.9	88.0	79.2
.7- .9	99.4	89.5	17.0-17.2	87.5	78.8
1.0- 1.2	99.2	89.3	17.3-17.6	87.0	78.3
1.3- 1.5	99.0	89.1	17.7-18.0	86.5	77.9
1.6- 1.8	98.8	88.9	18.1-18.4	86.0	77.4
1.9- 2.1	98.6	88.7	18.5-18.8	85.5	76.9
2.2- 2.4	98.4	88.6	18.9-19.2	85.0	76.5
2.5- 2.8	98.2	88.4	19.3-19.6	84.5	76.1
2.9- 3.2	98.0	88.2	19.7-20.0	84.0	75.6
3.3- 3.6	97.8	88.0	20.1-20.4	83.5	75.2
3.7- 4.0	97.6	87.8	20.5-20.8	83.0	74.7
4.1- 4.4	97.4	87.7	20.9-21.2	82.5	74.3
4.5- 4.8	97.2	87.5	21.3-21.6	82.0	73.8
4.9- 5.2	97.0	87.3	21.7-22.0	81.5	73.4
5.3- 5.5	96.8	87.1	22.1-22.4	81.0	72.9
5.6- 5.8	96.6	86.9	22.5-22.8	80.5	72.5
5.9- 6.1	96.4	86.7	22.9-23.2	80.0	72.0
6.2- 6.4	96.2	86.6	23.3-23.7	78.0	70.2
6.5- 6.7	96.0	86.4	23.8-24.2	76.0	68.4
6.8- 7.0	95.8	86.2	24.3-24.7	74.0	66.6
7.1- 7.3	95.6	86.0	24.8-25.2	72.0	64.8
7.4- 7.6	95.4	85.9	25.3-25.7	70.0	63.0
7.7- 7.9	95.2	85.7	25.8-26.4	68.0	61.2
8.0- 8.2	95.0	85.5	26.5-27.1	66.0	59.4
8.3- 8.5	94.8	85.3	27.2-27.8	64.0	57.6
8.6- 8.8	94.6	85.1	27.9-28.5	62.0	55.8
8.9- 9.1	94.4	85.0	28.6-29.2	60.0	54.0
9.2- 9.4	94.2	84.8	29.3-29.8	58.0	52.2
9.5- 9.7	94.0	84.6	29.9-30.4	56.0	50.4
9.8-10.0	93.8	84.4	30.5-31.0	54.0	48.6
10.1-10.3	93.6	84.2	31.1-31.6	52.0	46.8
10.4-10.6	93.4	84.1	31.7-32.3	50.0	45.0
10.7-10.9	93.2	83.9	32.4-32.7	48.0	43.2
11.0-11.2	93.0	83.7	32.8-33.1	46.0	41.4
11.3-11.5	92.8	83.5	33.2-33.5	44.0	39.6
11.6-11.8	92.6	83.3	33.6-33.9	42.0	37.8
11.9-12.1	92.4	83.2	34.0-34.3	40.0	36.0
12.2-12.4	92.2	83.0	34.4-34.9	38.0	34.2
12.5-12.7	92.0	82.8	35.0-35.5	36.0	32.4
12.8-13.0	91.8	82.6	35.6-36.1	34.0	30.6
13.1-13.3	91.6	82.4	36.2-36.7	32.0	28.8
13.4-13.6	91.4	82.3	36.8-37.3	30.0	27.0
13.7-13.9	91.2	82.1	37.4-38.1	28.0	25.2
14.0-14.2	91.0	81.9	38.2-38.9	26.0	23.4
14.3-14.5	90.8	81.7	39.0-39.7	24.0	21.6
14.6-14.8	90.6	81.5	39.8-40.5	22.0	19.8
14.9-15.1	90.4	81.4	40.6-41.3	20.0	18.0
15.2-15.4	90.2	81.2	41.4-43.0	15.0	13.5
15.5-15.7	90.0	81.0	43.1-45.0	10.0	9.0
15.8-16.0	89.5	80.6	45.1-47.0	5.0	4.5
			Over 47.0	0	0

TABLE II
INDEX TABLE

Percent Required Measurements Completed					
PERCENT				SUBCOMP INDEX	COMP. POINTS
1Q	2Q	3Q	4Q		
24.9-25.0	49.8-50.0	74.6-75.0	99.6-100.0	100	10.0
24.7-24.8	49.3-49.7	73.9-74.5	98.6- 99.5	99	9.9
24.4-24.6	48.8-49.2	73.1-73.8	97.6- 98.5	98	9.8
24.2-24.3	48.3-48.7	72.4-73.0	96.6- 97.5	97	9.7
23.9-24.1	47.8-48.2	71.6-72.3	95.6- 96.5	96	9.6
23.7-23.8	47.3-47.7	70.9-71.5	94.6- 95.5	95	9.5
23.4-23.6	46.8-47.2	70.1-70.8	93.6- 94.5	94	9.4
23.2-23.3	46.3-46.7	69.4-70.0	92.6- 93.5	93	9.3
22.9-23.1	45.8-46.2	68.6-69.3	91.6- 92.5	92	9.2
22.7-22.8	45.3-45.7	67.9-68.5	90.6- 91.5	91	9.1
22.4-22.6	44.8-45.2	67.1-67.8	89.6- 90.5	90	9.0
22.2-22.3	44.3-44.7	66.4-67.0	88.6- 89.5	88	8.8
21.9-22.1	43.8-44.2	65.6-66.3	87.6- 88.5	87	8.7
21.7-21.8	43.3-43.7	64.9-65.5	86.6- 87.5	86	8.6
21.4-21.6	42.8-43.2	64.1-64.8	85.6- 86.5	84	8.4
21.2-21.3	42.3-42.7	63.4-64.0	84.6- 85.5	82	8.2
20.9-21.1	41.8-42.2	62.6-63.3	83.6- 84.5	80	8.0
20.7-20.8	41.3-41.7	61.9-62.5	82.6- 83.5	79	7.9
20.4-20.6	40.8-41.2	61.1-61.8	81.6- 82.5	77	7.7
20.2-20.3	40.3-40.7	60.4-61.0	80.6- 81.5	75	7.5
19.9-20.1	39.8-40.2	59.6-60.3	79.6- 80.5	73	7.3
19.7-19.8	39.3-39.7	58.9-59.5	78.6- 79.5	71	7.1
19.4-19.6	38.8-39.2	58.1-58.8	77.6- 78.5	69	6.9
19.2-19.3	38.3-38.7	57.4-58.0	76.6- 77.5	66	6.6
18.9-19.1	37.8-38.2	56.6-57.3	75.6- 76.5	64	6.4
18.7-18.8	37.3-37.7	55.9-56.5	74.6- 75.5	62	6.2
18.4-18.6	36.8-37.2	55.1-55.8	73.6- 74.5	59	5.9
18.2-18.3	36.3-36.7	54.4-55.0	72.6- 73.5	57	5.7
17.9-18.1	35.8-36.2	53.6-54.4	71.6- 72.5	54	5.4
17.7-17.8	35.3-35.7	52.9-53.5	70.6- 71.5	52	5.2
17.4-17.6	34.8-35.2	52.1-52.8	69.6- 70.5	49	4.9
17.2-17.3	34.3-34.7	51.4-52.0	68.6- 69.5	47	4.7
16.9-17.1	33.8-34.2	50.6-51.3	67.6- 68.5	44	4.4
16.7-16.8	33.3-33.7	49.9-50.5	66.6- 67.5	42	4.2
16.4-16.6	32.8-33.2	49.1-49.8	65.6- 66.5	39	3.9
16.2-16.3	32.3-32.7	48.4-49.0	64.6- 65.5	37	3.7
15.9-16.1	31.8-32.2	47.6-48.3	63.6- 64.5	35	3.5
15.7-15.8	31.3-31.7	46.9-47.5	62.6- 63.5	32	3.2
15.4-15.6	30.8-31.2	46.1-46.8	61.6- 62.5	30	3.0
15.2-15.3	30.3-30.7	45.4-46.0	60.6- 61.5	28	2.8
14.9-15.1	29.8-30.2	44.6-45.3	59.6- 60.5	26	2.6
14.7-14.8	29.3-29.7	43.9-44.5	58.6- 59.5	24	2.4
14.4-14.6	28.8-29.2	43.1-43.8	57.6- 58.5	22	2.2
14.2-14.3	28.3-28.7	42.4-43.0	56.6- 57.5	20	2.0
13.9-14.1	27.8-28.2	41.6-42.3	55.6- 56.5	19	1.9

TABLE II (Cont)

INDEX TABLE

Percent Required Measurements Completed					
PERCENT				SUBCOMP. INDEX	COMP. POINTS
1Q	2Q	3Q	4Q		
13.7-13.8	27.3-27.7	40.9-41.5	54.6- 55.5	17	1.7
13.4-13.6	26.8-27.2	40.1-40.8	53.6- 54.5	15	1.5
13.2-13.3	26.3-26.7	39.4-40.0	52.6- 53.5	14	1.4
12.9-13.1	25.8-26.2	38.6-39.3	51.6- 52.5	13	1.3
12.7-12.8	25.3-25.7	37.9-38.5	50.6- 51.5	11	1.1
12.4-12.6	24.8-25.2	37.1-37.8	49.6- 50.5	10	1.0
12.2-12.3	24.3-24.7	36.4-37.0	48.6- 49.5	9	0.9
11.9-12.1	23.8-24.2	35.6-36.3	47.6- 48.5	8	0.8
11.7-11.8	23.3-23.7	34.9-35.5	46.6- 47.5	7	0.7
11.4-11.6	22.8-23.2	34.1-34.8	45.6- 46.5	6	0.6
11.2-11.3	22.3-22.7	33.4-34.0	44.6- 45.5	5	0.5
10.9-11.1	21.8-22.2	32.6-33.3	43.6- 44.5	4	0.4
10.7-10.8	21.3-21.7	31.9-32.5	42.6- 43.5	3	0.3
10.4-10.6	20.8-21.2	31.1-31.8	41.6- 42.5	2	0.2
10.1-10.3	20.1-20.7	30.1-31.0	40.1- 41.5	1	0.1
10.0 or less	20.0 or less	30.0 or less	40.0 or less	0	0

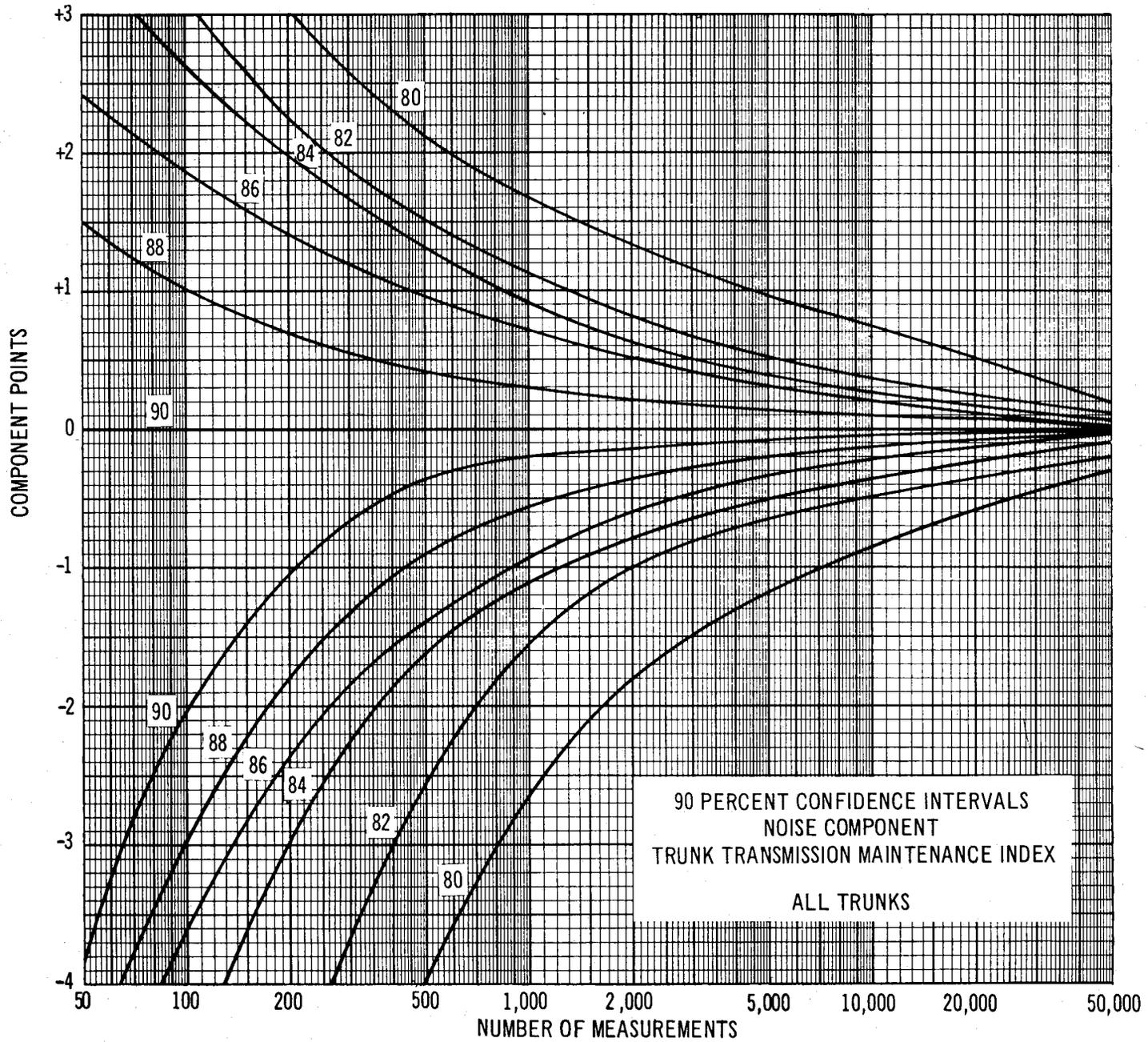


Fig. 1 - Number of Measurements