

DESCRIPTION OF TRANSMISSION TEST REQUIREMENT TABLES

1. GENERAL

1.01 This addendum supplements Section A804.003, Issue 4 with respect to paragraph 1.07 and covers transmission test requirements for No. 120CS, DS, ES, FS, GS, HS, JS, KS and LS repeating coils, which have been furnished in place of the No. 120C, D, E, F, G, H, J, K and L repeating coils when the associated circuit drawings have not been reissued to cover the requirements for the substituted coils.

1.02 The addendum is reissued to make changes as required to indicate that the No. 120C, D, E, etc. coils are rerated as "standard".

1.03 The following changes in general information shall apply.

1.08 to 1.10 added.

1.08 Because of a temporary shortage of nickel for use in permalloy core material, No. 120CS, DS, ES, FS, GS, HS, JS, KS and LS repeating coils having silicon steel cores may have been substituted for No. 120C, D, E, F, G, H, J, K and L repeating coils, respectively, having permalloy cores. Some circuit drawings may not have been changed to cover the test requirements for the substituted coils.

1.09 In cases where No. 120 type silicon steel core coils have been furnished

but their requirements are not specified on the circuit drawing, the requirements for individual apparatus losses shown in the following table for these coils should be employed. The maximum allowable circuit losses shown on circuit drawings, which have not been revised to cover the silicon steel core coils, should be increased by the correction values given in the last column of the table. If minimum allowable circuit losses are shown on the circuit drawings, which have not been revised to cover the silicon steel core coils, they should be increased by the correction values given in the last column of the table.

1.10 When 120-type coils are substituted for D- specification coils, they are not connected in the same manner with respect to winding terminal numbers, as such connections would cause excessive transmission losses. When the circuit drawing does not include the proper connecting information for the 120-type coils, this information should be obtained locally from the transmission group. When the circuit drawing does not cover transmission test requirements for the 120-type coils, the individual apparatus losses may be obtained from the following table and the circuit losses should be obtained from the local transmission group.

Individual Apparatus Losses and Circuit Loss Corrections
 (1000-Cycle Loss Between 600-Ohm Lines)

<u>Permalloy Core Repeating Coils</u>		<u>Substituted Silicon Steel Core Repeating Coils</u>		
<u>Code Numbers</u>	<u>Apparatus Losses-db</u>	<u>Code Numbers</u>	<u>Apparatus Losses-db</u>	<u>Corr. to be Added to Ckt. Losses-db</u>
120C or 120H	Max. 0.4 Min. 0.2	120CS or 120HS	Max. 1.1 Min. 0.5	Max. 0.7 Min. 0.3
120D or 120J	Max. 0.7 Min. 0.4	120DS or 120JS	Max. 1.3 Min. 0.8	Max. 0.6 Min. 0.4
120E or 120K	Max. 0.6 Min. 0.3	120ES or 120KS	Max. 1.2 Min. 0.6	Max. 0.6 Min. 0.3
120F or 120L	Max. 1.3 Min. 0.9	120FS or 120LS	Max. 2.0 Min. 1.5	Max. 0.7 Min. 0.6
120G (1:1.5)	Max. 0.6 Min. 0.3	120GS (1:1.5)	Max. 1.2 Min. 0.6	Max. 0.6 Min. 0.3
120G (1:2.5)	Max. 1.3 Min. 0.9	120GS (1:2.5)	Max. 2.0 Min. 1.5	Max. 0.7 Min. 0.6

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