

MAINTENANCE OF ANTENNA
SUPPORTING STRUCTURES

1. GENERAL

1.01 This addendum is issued to provide definite inspection intervals for the various guyed and self-supporting tower components. It supersedes the intervals mentioned in Sections 4 and 5 of the Bell System Practice.

1.02 Federal Communication Commission rules and regulations require that all inspections shall be recorded in the station record.

1.03 Tables A and B of this addendum specify the required initial and subsequent inspection intervals.

TABLE A
INSPECTION AND MAINTENANCE STEEL TOWERS
SELF-SUPPORTING

Add. Section AG25.300
Add. Section H54.320
Issue A

<u>Inspection Item</u>	<u>Initial Check</u>	<u>2nd Check</u>	<u>Routine Check Intervals</u>			<u>Special After High Winds of Hurricane Force Or Other Unusual Loading</u>
	<u>6 Mos. to 1 Yr. After Installation</u>	<u>2 Yrs. After Initial Check</u>	<u>Every 3 Months</u>	<u>Every Year After Initial</u>	<u>Every Four Years After 2nd Check</u>	
<u>Tower</u>						
1. Bolted Connections	X	X(Note B)				X(Note B)
2. Protection Against Corrosion	X			X(Note A)	X	
3. Air Navigation Obstruction Painting	X			X(Note A)	X	
4. Concrete Base	X			X		
<u>Waveguide and Other Transmission Lines</u>						
1. Bolted Flanges	X				X	
2. Rigid Waveguide	X				X	
3. Flexible Waveguide	X				X	
4. Waveguide Supports	X				X	
5. Pressure Windows	X				X	
6. Coaxial and Concentric Runs	X				X	
7. Tower Ground Connections	X				X	
<u>Obstruction Lights</u>						
1. Operation - Alarms				X		

Note A - This check should be a visual examination from the ground by telephone forces. Evidence of deterioration such as streaks of rust, peeling of paint, etc., should be used to judge whether further detailed inspection is necessary.

Note B - Spot Checks should be made. Further work to depend upon results of this check.

TABLE B

INSPECTION AND MAINTENANCE STEEL TOWERS

Add. Section AG25.300
Add. Section H54.320
Issue A

GUYED TYPE

<u>Inspection Item</u>	<u>Initial Check</u>	<u>2nd Check</u>	<u>Routine Check Intervals</u>			<u>Special</u>
	<u>6 Mos. to 1 Yr. After Installation</u>	<u>2 Yrs. After Initial Check</u>	<u>Every 3 Months</u>	<u>Every Year After Initial</u>	<u>Every Four Years After 2nd Check</u>	<u>After High Winds of Hurricane Force Or Other Unusual Loading</u>
<u>Tower</u>						
1. Bolted Connections	X	X(Note B)				X (Note B)
2. Protection Against Corrosion	X			X(Note A)	X	
3. Air Navigation Obstruction Painting	X			X(Note A)	X	
4. Concrete Base	X			X(Note A)	X	
5. Tower Alignment	X	X			X	X
6. Guy Tension						
Visual			X			
Tension Measurement By Gauges or Tension By Oscillation (See Section 6)	X	X			X	X
<u>Waveguide and Other Transmission Lines</u>						
1. Bolted Flanges	X				X	
2. Rigid Waveguides	X				X	
3. Flexible Waveguide	X				X	
4. Waveguide Supports	X				X	
5. Pressure Windows	X				X	
6. Coaxial and Concentric Runs	X				X	
<u>Obstruction Lights</u>						
1. Operation - Alarms			X			

Note A - This check should be a visual examination from the ground by telephone forces. Evidence of deterioration such as streaks of rust, peeling of paint, etc., should be used to judge whether further detailed inspection is necessary.

Note B - Spot checks should be made. Further work to depend upon results of this work.