

TOWER TYPE	LOAD CASE DESCRIPTION	TSS Guide					Proposed MDS					COMMENTS
		TEMP. (°F)	ICE (RADIAL IN.)	WIND (PSF)	LOAD FACTOR	Consider Insulator Swing?	TEMP. (°F)	ICE (RADIAL IN.)	WIND (PSF)	LOAD FACTOR	Consider Insulator Swing?	
All Structures	NESC	0	0.5	4	NESC		0	0.5	4	NESC		
Greater than 230kV	EXTREME WIND - Structure	60	0	31.25	1		60	0	25	1		
Greater than 230kV	EXTREME WIND -Conductor	60	0	25	1		60	0	25	1		
Less than 230kV	EXTREME WIND NESC	NESC Rule 250C, 17psf minimum					60	0	25	1		
	HEAVY ICE	32	1.5	0	1		0	1	0	1		Regions above 1200' in elevation should be considered to accumulate additional radial ice
	WIND & ICE INTACT	0	0.5	4	1		0	0.5	4	1		
SUSPENSION STRUCTURES	BROKEN WIRE	0	0.5	4	1.1*L	No	0	0.5	4	1	Yes	
	BROKEN BUNDLE	0	0.5	4	1.1*L	No	0	0.5	4	1	Yes	
	UNBALANCED WIND & ICE	32	1	0	1.1*L	Yes	32	0.5	4	1	Yes	
	BOUND BLOCK	30	0	2	2	Yes	30	0	2	1.5	Yes	BLOCK IS ASSUMED TO SWING 45° IN-LINE, RESULTING IN A LONGITUDINAL LOAD EQUAL TO THE VERTICAL LOAD
STRAIN STRUCTURES	BROKEN WIRE	0	0.5	4	1.1*L	No	32	0.5	4	1	No	
	BROKEN BUNDLE	0	0.5	4	1.1*L	No	32	0.5	4	1	No	
	UNBALANCED WIND & ICE						32	0.5	4	1	No	
	UNBALANCED HEAVY ICE						0	0.75	0	1	No	
Others	Man Load	350 pounds					350 pounds					
	Foundation Design	Load Factor = 1.25					Load Factor - 1					