

GUYMASTER Release Notes
For version 6.1.0 as of June 6, 2018

1. The inside bend radius of a pole section can now be entered in the POLE SECTIONS table. If not entered the value will automatically be calculated as stipulated in the standard.

POLE SECTIONS										
SECTION NAME	No.of SIDES	LENGTH ft	OUTSIDE.DIAMETER		BEND RAD in	MAT-ERIAL ID	FLANGE.ID		FLANGE.WELD ..GROUP.ID..	
			BOT * in	TOP * in			BOT	TOP	BOT	TOP
S1	0	25.00	56.0	48.5	0.625	1	1	2	1	1
S2	0	25.00	48.5	41.0	0.625	1	2	3	1	1
S3	0	25.00	41.0	33.5	0.625	1	3	4	1	1
S4	0	25.00	33.5	26.0	0.625	1	4	5	1	1
S5	0	20.00	26.0	20.0	0.625	1	5	0	1	0

The thickness of the pole section has to be specified in the MATERIAL TYPES table for the referenced material ID.

MATERIAL TYPES									
TYPE OF SHAPE	TYPE NO	NO OF ELEM.	ORIENT & deg	HEIGHT in	WIDTH in	.THICKNESS.		IRREGULARITY .PROJECTION. % OF ORIENT AREA	deg
						WEB in	FLANGE in		
RHS	1	1	0.0	240.00	60.00	0.250	0.000	0.00	0.0
SR	2	1	0.0	0.88	0.88	0.500	0.000	0.00	0.0
L	3	3	0.0	4.00	20.00	0.500	0.000	0.00	0.0

2. Ka, the shielding factor for appurtenances, can now be set by the user in Project Properties dialog and will be applied in lieu of any calculated value.

The screenshot shows a dialog box with three input fields: 'Kd Structure' with value 0.95, 'Kd Appurts' with value 0.95, and 'Ka maximum' with value 0.6. There is also a small square checkbox next to the 'Ka maximum' field.

3. The gust factor can now be entered by the user in the LOAD FACTORS table.

Loading Title A BARE - 10.03 psf WIND FROM AZI 0

LOAD FACTORS

.....LOAD FACTORS..... ANALYSIS CONSTRAINTS GUST
WIND DEAD ICE GUY Antenna CONVERGENCE FACTOR
Wt. LOAD TOLERANCE
#

1.50	1.50	1.50	1.00	1	0.010	0.00
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Gust Factor
 By Standard
 User Defined

4. The user may now reference antenna mounts from the antenna mount data base now included in GUYMASTER through entries in the new ANTENNA MOUNTS table.