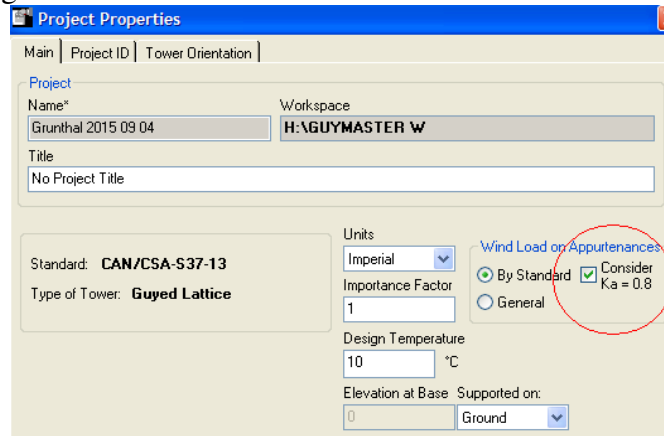


GUYMASTER Release Notes
For version 5.1.0 as of September 8, 2015

1. Changes to S37-13 version:

- Ka factor is applied to loads calculated for Discrete Appurtenances that are located inside the inclusion zone.
- Where attachments are located outside the inclusion zone in clusters of 3 or more, at approximately the same elevation and distributed around the mast, a $K_a = 0.8$ may now be used. This option can be switched On/Off in the Project Properties dialog box:



2. Force/Resistance ratios are now reported for both guyed and self-supporting towers.
3. Maximum Effects in Mast Legs, Diagonals and Horizontals within the torsion resistor area are now reported.

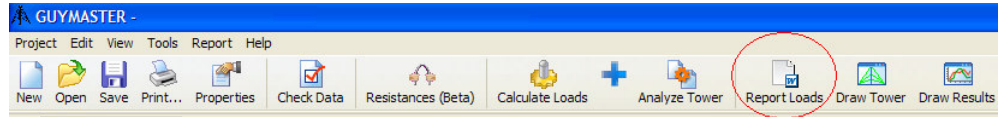
4. GUYMASTER output tables and reporting:

- Now the Calculated Loads and Analysis Results tables can be seen directly in the GUYMASTER interface

The screenshot shows the GUYMASTER interface with the 'Calculated Loads' table highlighted. The table displays the following data:

LOAD TYPE	ELEV ft	APPLY . . RADIUS ft	LOAD . . AT AZI
D	445.000	0.00	360.0
D	430.000	0.00	360.0
D	430.000	0.00	360.0
D	417.500	0.00	360.0
D	417.500	0.00	360.0
D	402.500	0.00	360.0
D	402.500	0.00	360.0
D	385.000	0.00	360.0
D	385.000	0.00	360.0
D	350.000	0.00	360.0
D	350.000	0.00	360.0

- The selected tables can be printed in Word format only if Microsoft Office Word is installed.



5. Shielding calculation for Ladders and Transmission Lines was corrected for cases when clear distance ratios between elements is greater than 4.
6. Added drop-down lists in Tower Components tables as well as displaying Bolt Groups and Bolt Lines on the same page for more convenience in data entry.