Release Notes for RISATower Version 5.2

June 16, 2008

This document describes Version 5.2 update for RISATower. Please install this update at your earliest convenience.

Stand Alone Installation Instructions.pdf and *Network Installation Instructions.pdf* files are available from the http://www.risatech.com/s_download.asp page.

Documentation

RISATower manual will be installed in the \Program Files\RISA\RISATower\Manuals directory. Hard copies will be made available to those who request them.

New Features and Bug Fixes

➢ Significant improvements of the feed line loading algorithm under TIA-222-G have been added. Program can now automatically select the most favorable treatment of feed lines mounted in clusters (2.6.9.5). All tower faces are considered simultaneously and the minimum effective projected area is selected for each cluster.

➢ Candelabra import function has been overhauled and improved. It is now possible to create candelabra models visually in RISA-3D and import them into RISATower.

➢ Alternative calculation of Effective Yield Stress for polygonal tubular members have been added. It is based on a tentative approval of revisions to Table 4-8 of the TIA-222-G Standard by the TR-14.7 TIA Subcommittee (to be published as part of Addendum No. 2), as follows:

Shape	(w/t) Ratios	Effective Yield Stress
18-sided	1.17 to 0.759	F_y to 1.27 F_y, 1.404 to 1.560
16-sided	1.26 to 0.836	F_y to 1.27 F_y, 1.420 to 1.578
12-sided	1.41 to 0.992	F_y to 1.26 F_y, 1.450 to 1.611
8-sided	1.53 to 1.10	F_y to 1.24 F_y, 1.420 to 1.578

- ➢ Calculations of bolt bearing strength have been updated to reflect provisions of Addendum No. 1 to TIA-222-G Standard.

- ➢ Display of multiple guys on the Material Take-Off page has been corrected. Previously some guy wires would not be shown when display of reactions was turned on.

- ➢ Problem with steel grade names containing spaces used in tower assemblies has been fixed. Previously the grade name would not be read in properly from the database files.

- ➢ Incorrect conversion of member offsets specified for tower assemblies under metric system has been fixed.

- ➢ Maximum strength of grout for grouted pipe has been increased to 14 ksi.

- ➢ Number of rows and some range values in input spreadsheets have been increased.

- ➢ Miscellaneous bug fixes have been implemented.