

TOWER STRENGTHENING.

1st January 2015

In two parts, wind profile and structural assessment.

When a structural analysis identifies leg and or bracings to be over-stressed there are three ways to resolve the problem.

- A, Remove and replace the existing sections with stronger legs and bracings.
- B, Introduce additional secondary bracings to stiffen the existing sections, legs or bracings.
- C, Load reduction; by removing redundant antennas, feeders and aerial mountings; replacing very heavy flat sided aerial mountings with light weight tubular designs.

TOWER ANALYSIS and DESIGN investigate alternative methods of reducing the stresses in the structure to determine the most cost effective. Replacement members and low windage aerial mounting are designed are the strengthening report is prepared and submitted to the client.