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Product Review of Existing ROHN Towers, Guyed Masts & Poles

Purpose & Background

The purpose of a product review is to confirm that a structure will meet current design standards when changing or modifying antennas and/or for an antenna colocation or structure extension. ROHN engineers will provide a complete report certified by a professional engineer. The report includes:

- 1. Summary Statements**
- 2. Assumptions used in the review**
- 3. List of overstressed members (if applicable)**
- 4. Reaction Summary**
- 5. Recommendations**

The report also includes recommendations on the reinforcing of the structure that may be required to bring it to current standards, if possible. In some cases, where the structure is extremely overloaded or the reinforcing is a major project, the customer will be informed, and the cost of designing the reinforcing may have to be quoted separately.

To ensure accuracy and quick turn-around of the review, please forward as much of the following information as available to ROHN engineers at prodinfo@rohnnet.com:

- 1. Tower Information-** Identify the ROHN tower by the ROHN tower assembly drawing number and/or the ROHN Engineering file number for the initial installation. If these numbers are unavailable, please provide as much information as possible about the tower: type, model, height, width, location, original customer, date purchased, etc. In some cases, the information on the tower may not be available, and a full mapping of the tower with leg and brace marking numbers may be required.
- 2. Existing Antennas and Lines-** Provide an inventory of the existing antennas by height of antenna, manufacturer, model number, mounting type, azimuth and transmission line size. Future antennas that are required to be included in the analysis for reserved capacity must be provided in that list. Information on how the transmission lines are attached (which leg or face of the tower) is an integral part of the review. Please do not rely on the accuracy of original assembly drawings to provide the current antennas or transmission lines on the tower.
- 3. Proposed Antennas and Lines-** Provide a list of the proposed antennas by height of antenna on tower, manufacturer, model number, mounting type, azimuth and transmission line size. Also,

4. provide information on how the transmission lines are proposed to be attached to the structure.
5. **Modifications to Existing Structures-** Provide a list of modifications that were introduced to the existing structure and a ROHN reference number (P.O., drawing number, file number) under which these modifications were performed. Also, provide a list of the previous reviews that were performed on the tower. Providing this information can help to minimize costs.
6. **Existing Foundations-** Please provide any known foundation details.

Pricing

The following table provides representative pricing for a product review. The fee includes the review of the structure and review of original foundation reactions. The results and recommendations will be provided in a report certified by a professional engineer.

Product Review Pricing

Self-Supporting Towers, Guyed Masts & Poles		
From	To	Fee*
0'	199'	\$2,000
200'	and up	\$2,500
<p><i>*Pricing is good for structures supporting up to 10 different antenna models. Any structure with greater than 10 will need to be quoted.</i></p> <p><i>Pricing excludes broadcast towers.</i></p> <p><i>Major reinforcing design work will be priced upon request.</i></p>		

Revisions

During the course of the review, the customer may need to revise the antenna list for a variety of different reasons. The cost of a revision to a review is \$1,000. Note that the review must be for structures that are analyzed recently (within three months) for the same customer, and the revision represents a minor change in the antennas and/or transmission line loading.