

Transmission structure attachment

As-built requirements

WIRELESS ATTACHMENTS

BC Hydro requires the Third Party Licensee's Professional of Record (POR) to submit Record Drawings to BC Hydro. Record Drawings represent the final drawings following construction and which normally incorporate modifications made during construction. The drawings should be as accurate as possible with the constructed information properly transferred and portrayed onto the final drawings.

The requirements for handling of Record Drawings are as follows.

- All Record Drawings are to be signed and sealed by the POR.
- Where as-constructed information has been provided by others not under the direct supervision of the POR, the Record Drawings shall contain a reference to the declaration given in 3.2.12.9 of guideline **Use of the APEGBC Seal**, which is reproduced below.

“The seal and signature of the undersigned on this drawing certifies that the design information contained in these drawings accurately reflects the original design and the material design changes made during construction, that were brought to the undersigned's attention. These drawings are intended to incorporate addenda, change orders and other material design changes, but not necessarily all site instructions.

The undersigned does not warrant or guarantee, nor accept any responsibility for the accuracy or completeness of the as-constructed information supplied by others contained in these drawings, but does, by sealing and signing, certify that the as-constructed information, if accurate and complete, provides an as-constructed system which substantially complies in all material respects with the original design intent.”

- Record drawings do not have any revision circling.

As-built pictures will need to include:

- Photos of the antennas and support framing
- Photos of the cables and cable support brackets
- Photo of label identifying ownership of Licensee facility/facilities
- Photos of the ground equipment

WIRELINER ATTACHMENTS

As-constructed documentation needs to include the following:

- Quality records
- Field Initiated Changes from the originally approved version
- New or different pole tags encountered in the field
- As-constructed strand elevations/attachment heights
- Sag/tensions changes from original submissions

As-built pictures for wireline attachments will need to include:

- Photo(s) of each of the attached-to poles
- Photo(s) of down-guy(s) and attachment to anchors
- Photo(s) of tags identifying ownership of Licensee facility/facilities

BC Hydro requires 3rd Party Licensee As-constructed information for the following reasons:

- 1.** Assists Engineering/Geoscience Professionals in holding public safety paramount and serving the public interest as required by the Engineers and Geoscientists Act.
- 2.** Allow Engineering Professionals and Field Operation to resolve issues, meet legal and regulatory requirements, document decision-making, facilitate undertaking future work, or make installation information readily retrievable for maintenance or emergent events.
- 3.** Confirmation that installations meet CSA and BC Hydro safety and standards requirements.
- 4.** Ensure that our billing accurately captures in-field installations.