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## REQUIREMENTS OF THE SUPPLY AUTHORITY (BC HYDRO) IN REGULATED WORK

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Each electrical permit application form contains the following statement that must be confirmed by the applicant:

*"Electrical characteristic of the supply service, overhead service point of attachment and pole location, types of underground service raceways have been confirmed with and accepted by the BC Hydro".*

This Bulletin clarifies the significance of the statement shown above and explains the reason for such confirmation. Although the requirements for regulated work undertaken by an electrical contractor or a homeowner must be in conformance with the BC Electrical Safety Regulation (in accordance with the BC Electrical Code), these requirements do not include electrical work done by the supply authority. Also the supply authority has no jurisdiction in respect to such regulated work. The Code defines "supply authority" and types of "services" and provides references to the supply authority regarding installation of these services.

The Code defines two types of "services" and "supply authority" as follows:

1. "Service, consumer's - all that portion of the consumer's installation from the service box or its equivalent up to and including the point at which the supply authority makes connection".
2. "Service, supply - any one set of conductors run by a supply authority from its mains to a consumer's service".
3. "Supply authority - any person, firm, corporation, company, commission, or other organization supplying electric energy." Note: BC Hydro is the supply authority in the City of Vancouver.

Rules 6-206 and 6-408 of the BC Electrical Code state that the location of service boxes, meters, metering equipment and other consumer's service equipment must comply with the requirements of the supply authority.

These definitions and requirements of the Code clearly indicate to a permit holder that the supply authority (BC Hydro) must be consulted on the following:

- a) electrical characteristics of a supply service provided by the BC Hydro (i.e. on a single or three phase supply and on the voltage of the supply service),
- b) location of overhead point of attachment,
- c) location of a consumer's service and metering equipment, and
- d) types of underground consumer's service raceways when such raceways are intended for the installation of "supply service" conductors (conductors installed by the BC Hydro).

Such confirmation with the supply authority will facilitate power connection by the BC Hydro provided that all other electrical safety requirements of the Code are met by the permit holder, and the

installation has been accepted by a City of Vancouver Electrical Safety Officer/Electrical Inspector for service connection.

Note: Although the installation of consumer's service raceways is regulated work (i.e. it is done by an electrical contractor under permit in accordance with applicable provisions of the BC Electrical Code), conformance with condition (d) above is intended to ascertain that the BC Hydro requirements for installation of its supply service conductors are met by the contractor in addition to compliance with the Code. BC Hydro might allow the installation of its supply service conductors only in a specific type of a raceway (i.e. rigid metal conduit, etc.).

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