

31st May 2005

Mr Farooq Qureshy  
Team Leader  
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Dear: Mr Qureshy,

***IPB Junction - Beauharnois: Replace Existing 230kV Circuit Switcher  
Notification of Approval to Connect  
CAA ID Number: 2005-EX236***

Thank you for participating in the IESO's Connection Assessment and Approval process.

The existing 230kV circuit switcher, B5D-B31L, at IPB Junction: Beauharnois has experienced numerous switching failures over the past two years, resulting in damage to the contact jaws and the disconnect blades. In addition, due to failure of the existing radio-controlled link via St. Lawrence TS there have been occasions when remote operation of the circuit-switcher has not been possible.

The proposal to replace the existing circuit-switcher with a new 345kV unit, together with a heavy-duty battery, is expected to improve reliability and have no adverse impact on the IESO-controlled grid. The installation of a dial-up land line is also expected to improve communications for remote operation of the new circuit-switcher. [Further details are provided on the attached sheet.]

The scheduled in-service date for the new circuit-switcher is 21st June 2005.

Since it has been determined that this work will have no adverse impact on the IESO-controlled grid, the IESO is therefore pleased to grant **conditional approval** of your proposal to replace the circuit-switcher, battery and communications facilities.

**Final approval** will be granted upon successful completion of the IESO Facility Registration process.

A copy of this Notification of Approval will also be provided to the Ontario Energy Board (OEB) and a further copy will be posted on the IESO web site: [www.ieso.ca](http://www.ieso.ca)

For further information, please contact the undersigned.

Yours truly,

Bob Gibbons  
Manager – Long Term Forecasts & Assessments  
cc: IESO Records

*Specification for New Circuit-Switcher*

Type	S&C Mark V
Nominal Voltage	345kV
Maximum continuous current rating	1600A
Fault Interrupting Capability	43.8kA
Basic Insulation Level	1300kV

*Auxiliary Supply*

Rating of Heavy Duty Battery                      90A-Hr at 125V

Complete with 125kV C-Can Battery Charger

Suitable for 12 operations (six open & six close)

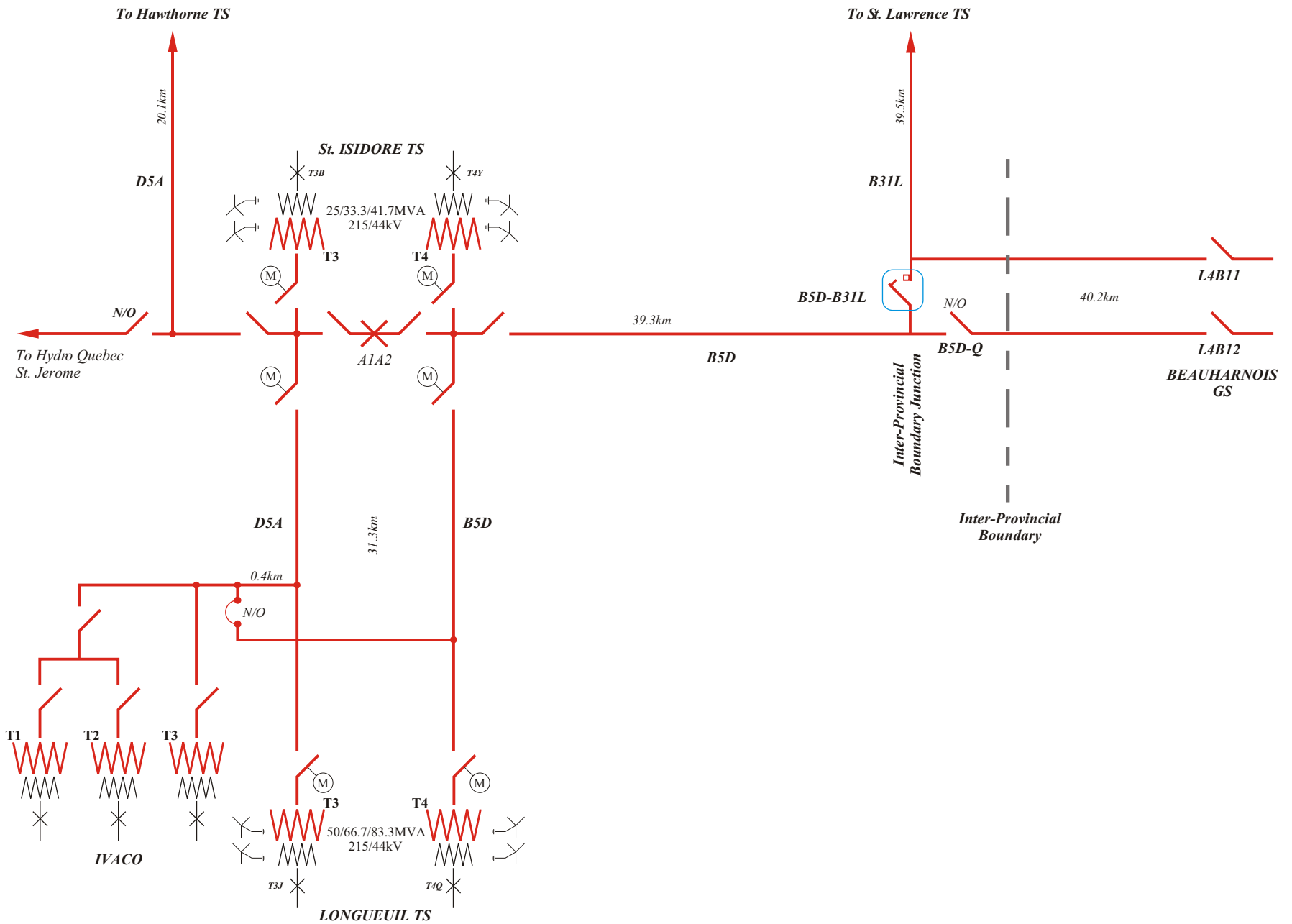
*Communications*

Via dial-up land line

*Comments*

The new circuit-switcher will continue to be used for switching duties only and will not be used for fault interruption. There will therefore be no changes to the existing protective relaying.

No changes are to be made to the existing auto-reclosure settings for circuit B5D.



Replacement of the 230kV Circuit Switcher B5D-B31L at IPB Junction: Beauharnois

DIAGRAM 1