

1 Q. **Reference: NP-NLH-011**

2 Further to the response to NP-NLH-011, please explain the basis for the statement that the  
3 performance requirements for the proposed powerline carrier replacement project are based  
4 on industry practice.

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7 A. Newfoundland and Labrador Hydro's ("Hydro") internal latency performance requirements<sup>1</sup> are  
8 developed using industry standards, such as IEC 60834-1.<sup>2</sup> Industry standards must be followed  
9 for proper operation of teleprotection systems; this ensures that faults are cleared within the  
10 required amount of time, resulting in minimal equipment damage and/or loss of system  
11 stability.

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<sup>1</sup> Hydro's latency performance requirements refer to the amount of time it takes for a teleprotection signal to travel from one station to another.

<sup>2</sup> IEC 60834-1:1999, Teleprotection equipment of power systems - Performance and testing - Part 1: Command systems, International Electrotechnical Commission.