

1 Q. Reference: *Probabilistic Based Transmission Reliability Summary Report*, Appendix
2 A, Page 23 of 56.

3 *“Outages due to ac terminal station equipment such as circuit breaker failures or*
4 *misoperations are not included in this analysis. It is assumed that such events will*
5 *be rare given regular maintenance and condition monitoring practices.*

6 Please explain the appropriateness of excluding outages due to ac terminal station
7 equipment from the analysis considering the extent to which such equipment
8 failures contributed to the outages on the Island Interconnected System in January
9 2014?

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12 A. The report focused on a detailed comparison between the IIS pre and post-HVdc
13 conditions. In other words, analyzing the impact of the addition of LIL and ML (or LIL
14 only) and the retirement of Holyrood units was the main focus of the study. As
15 stated in the page 23 of 56: *“Outages due to ac terminal station equipment such as*
16 *circuit breaker failures or misoperations are not included in this analysis. It is*
17 *assumed that such events will be rare given regular maintenance and condition*
18 *monitoring practices. There would therefore be no appreciable difference in system*
19 *reliability due to ac terminal station equipment in the Pre-HVDC and Post-HVDC*
20 *cases”*; therefore, excluding the outages due to ac terminal station is considered
21 appropriate within the scope of the study as the ac terminal stations are common
22 to both pre and post-HVdc scenarios.