

**Procedure IQ-P-001
Responses to comments received during the consultation period**

This document provides a summary of the comments submitted by the entities during the consultation period regarding Procedure IQ-P-001. All comments were received in French; this document is an unofficial translation for your convenience.

Document concerned	Section concerned	Comment	Entity	Accepted	Response from Reliability Coordinator
IQ-P-001	Section 2	Replace VAR-001-2 by VAR-001-3 effective since January 1 st , 2014.	Hydro-Québec Production	Yes	We modified Section 2 as a result of this comment.
IQ-P-001	Section 4.3.4	Modification – Potential danger to the security of equipment or the transmission grid.	Hydro-Québec Production	Yes	We modified Section 4.3.4 as a result of this comment.
IQ-P-001	Section 4.3.4	Addition – A generating station with an average operating factor lower than 25 % over the last 5 years.	Hydro-Québec Production	No	Hydro-Québec TransÉnergie needs maximum real and reactive power verification data for all generation facilities in order to update real-time operational databases and evaluate available resources in the Québec Balancing Authority Area.
IQ-P-001	Section 4.3.4	Addition – A generating unit which has no influence on the stability of the transmission system, due to the nature of its regulation systems.	Hydro-Québec Production	Yes	We modified Section 4.3.4 as a result of this comment.
IQ-P-001	Section 6 and Appendix F	Station service load data are not available for our wind farms and probably not for the majority of wind farms. We suggest that this requirement be removed from the procedure.	Cartier Énergie Éolienne Inc.	No	Hydro-Québec TransÉnergie requests that station service load data for power plants be supplied.
IQ-P-001	Section 6 and Appendix F	Wind speeds are usually in m/s rather than km/h in the wind energy sector. Since data of this kind is not required for other types of power plants, we suggest that Appendix F be modified accordingly.	Cartier Énergie Éolienne Inc.	Yes	We modified Appendix F as a result of this comment.
IQ-P-001	Section 6 and Appendix F	The reactive power data vary over very short periods (<1 s). Therefore, the 10 minute average data are not necessarily representative of a wind farm's actual performance. Data are not always available at such a low frequency.	Cartier Énergie Éolienne Inc.	No	Following discussions with the person in charge of Cartier Énergie Éolienne and Hydro-Québec TransÉnergie's System Control Centre staff, it is possible to obtain the 10-minute average for reactive power. We are going to keep this requirement as is.
IQ-P-001	Section 6 and Appendix F	See general suggestion on layout: adjustment of the contents and layout of section 6 and Appendix F. Document "IQ-P-001 - Section 6 et Annexe F - Données de Performance - Commentaire Cartier.pdf"	Cartier Énergie Éolienne Inc.	Partially	Referring: the suggestion relating to the section 6.1, we did not accept the proposal. However, we added a reference to the required data in Appendix F and only keep the requirements related to maximum power generation. As for the layout and the adjustment in the contents suggested for Appendix F, we incorporated most of the suggestions, including a new description of the reactive power compensation system.
IQ-P-001	Section 6 and Appendix F	We agree with the suggestion to remove the minimal active power (consumption of the wind farm at a standstill) and to add the number of wind generators in the performance data.	Cartier Énergie Éolienne Inc.	N/A	

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IQ-P-001	Section 6 and Appendix F	Suggestion: wind generators are not necessarily the only ones to supply the Var on a power plant. A table could be added in Appendix F with a description of the installed reactive power compensation system in the power plant (Statcom, capacitor bank), in the same way as wind generators.	Cartier Énergie Éolienne Inc.	Yes	We modified Appendix F as a result of this comment.
IQ-P-001	Section 6 and Appendix F	The wind generator model and the height of hub are important information for the description of wind generators.	Cartier Énergie Éolienne Inc.	Yes	We modified Appendix F as a result of this comment.
IQ-P-001	Section 6 and Appendix F	What happens if there is a gap in data for the year? There should be a certain tolerance because the acquisition systems are not totally reliable.	Cartier Énergie Éolienne Inc.	N/A	The data listed in Appendix F are a minimum requirement. However, when certain data are unavailable, please indicate the reason in the <i>comments</i> section of the form.
IQ-P-001	Section 7	Remove the entire section. Does not address real power verification. Content of section 7 is included in the GEN-D-921 management of an operating restriction. For long-lasting restrictions, the NERC MOD-010, 012 and FAC-008 standards ensure the updating of data for modelling.	Hydro-Québec Production	No	Section 7 addresses maximum real and reactive power verification (station tests and unit tests). Then, Hydro-Québec TransÉnergie requests to all Generator Owners and Generator Operators to meet this requirement.