

Telecom Work Group Meeting

2018-11-20

Rule 502.17 Voice Communications

- Section 502.17 of the ISO rules, *Voice Communications* was created to combine the voice requirements outlined in Section 502.4 of the ISO rules, *ADAMS and Voice Communications System Requirements*, and in Alberta reliability standard, *COM-001 Telecommunications*.
- The voice communication system requirements have also been improved to address weaknesses and gaps in the existing requirements, including adding requirements for market participant to market participant voice communications.
- The requirements intend to better leverage the existing utility telecommunication network, and to reduce our dependence on voice communications that depend on the electric system.

Rule 502.17 Voice Communications

- Generator Primary (Commercial Phone - Telus/Shaw/Bell)

Maximum Authorized Real Power	Minimum Availability
<50MW	95%
>=50MW and <300MW	97%
>=300MW	98%

- ISO and TFO Primary – 99%
- DFO Black Start Primary – 97%

<u>Availability</u>	<u>MTTR (hours)</u>	<u>MTBF (days)</u>
95%	12/24/48/72	9.5/19/38/57
97%	12/24/48/72	16/32/65/97
98%	12/24/48/72	24.5/49/98/147
99%	12/24/48/72	49.5/99/198/297

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- Generator Backup (Orderwire/Satellite/Commercial Phone)

Maximum Authorized Real Power	Minimum Availability
<50MW	95%
>=50MW and <300MW	99%
>=300MW	99.5%

- ISO and TFO Backup – 99.5%
- DFO Black Start Backup – 99%

Availability

MTTR (hours)

MTBF (days)

95%

12/24/48/72

9.5/19/38/57

99%

12/24/48/72

49.5/99/198/297

99.5%

12/24/48/72

99.5/199/398/597

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- Backup Voice System Extended Power Outage
 - Generator $\geq 50\text{MW}$: 36 hours
 - TFO or DFO with centralized control centre : 72 hours
 - Thoughts of the number of hours?

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- Formal engagement started as per new AUC Rule 017
 - Next steps delayed based on one market participants response at the moment.
 - Wanting a general variance allowance within the rule.
 - Are there any variances you think aren't addressed?
 - Questions? Concerns?