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**A system operation and planning issues in the Japanese Interconnected
System in the aftermath of March 11 events**

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Abstract

This presentation provides operation and planning issues in Japanese interconnected power system in the aftermath of earthquake and tsunami on March 11, 2011. On that day, the earthquake followed by tsunami hit eastern coast area of Japan, and damaged seriously the area including power stations on the coast. The damaged area is in the east area with 50 Hz electricity, which is interconnected through DC links to the 60 Hz west area with no major damages. Immediately after the earthquake, significant numbers of power plants were shut down, and many of them are still being restored. Therefore, rolling blackout was conducted to avoid large scale blackout while the government issued emergency warning to urge the people to reduce the power consumption. In order to prepare for the peak demand in the next summer, various efforts have been started to avoid rolling blackout. These issues will be presented and discussed.