

## Yokohama Project (240m, 66kV, 200MVA HTS cable)

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**Abstract** – In Yokohama project, a 66 kV, 200MVA HTS cable was operated at TEPCO network for more than one year, successfully. Testing and operation results will be reviewed as well as some technical subjects. In 2014, a new national project was started to study safety and reliability of HTS cable with some model cables of 22 kV, 66 kV and 275 kV. We are also developing technologies such as a low heat loss cryostat and a high efficiency cooling system (Brayton cycle type refrigerator).

**Keywords (Index Terms)** – High-temperature superconducting cable, In-grid operation, safety and reliability, cooling system.