Bondarenko A. S., Leonov N. V., Repin A. V., Selivanov R. S., Shershnev A. Y.

Methods of High Voltage Containerized Converters Testing.

Methods of high voltage, impulse and current testing of controlled ice melting rectifier (CIMC) so as high voltage thyristor valves, that put together the CIMC, are considered. The possibility of the staff central control system using for testing modes is described. This kind of organization allows to get the full complex of testing without intrinsic electric connections destroy. The option of resistors for RC-circuits described too.

Key words: ice melting controlled rectifier, high-voltage thyristor valve, central control system, impulse tests, electric strength, reliability.

Bondarenko Andrey Sergeyevich, engineer of Converter Equipment Department of the Scientific and Technical Center of Unified Power System (STC UPS).

E-mail: bondarenkoas@gmail.com

Leonov Nikolay Valentinovich, engineer of Converter Equipment Department of the Scientific and Technical Center of Unified Power System (STC UPS).

E-mail: oo-nevermind-oo@mail.ru

Repin Alexey Viktorovich, Head of Laboratory of Converter Equipment Department of the Scientific and Technical Center of Unified Power System (STC UPS).

E-mail: repin_a@niipt.ru

Selivanov Roman Sergeevich, engineer of Converter Equipment Department of the Scientific and Technical Center of Unified Power System (STC UPS).

E-mail: selivanov_r@niipt.ru

Shershnev Andrey Yuryevich, Head of Laboratory of Converter Equipment Department of the Scientific and Technical Center of Unified Power System (STC UPS).

E-mail: shershnev_a@niipt.ru