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Development of technology of an electricity transmission by HVDC in native power system. Contribution of NIIPT to the theory and practice of creation of HVDC and HVDC back-to-back (short historical sketch).

The technical characteristics of HVDC and HVDC BtB defining their application in an power system are given. Stages of development of technology of an electricity transmission by HVDC in the Soviet Union and Russia are described. The contribution of NIIPT to the theory of current transformation and to concrete HVDC objects development is shown.

Key words: HVDC and HVDC back-to-back, stages of development, contribution of NIIPT.

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