

A SURVEY OF FACTS CONTROLLERS APPLICATIONS TO NIGERIAN TRANSMISSION SYSTEM

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ABSTRACT

This paper is a presentation of a review of the incorporation of FACTS controllers such as SVC, STATCOM, TCSC, SSSC, VSC-HVDC and UPFC on the Nigerian 330kV transmission system for the enhancement of the operations of the transmission system. Selected publications were scrutinized and conclusions were drawn from the results of the applications of these controllers on the system. This publication will serve as a reference for power system operators and will inform researchers on how much needs to be done in the incorporation of FACTS controllers on the Nigerian transmission system.

KEYWORDS: FACTS Controllers, SVC, STATCOM, SVC, VSC-HVDC, UPFC