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Autore	Chaudhuri Nilanjan Ray <1981->
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Benchmark System; 3.10 Case Study 2: MTDC Grid Connected to Equivalent AC Systems; 3.11 Case Study 3: MTDC Grid Connected to Multi-machine AC System; Chapter 4: Autonomous Power Sharing. 4.1 Introduction 4.2 Steady-state Operating Characteristics; 4.3 Concept of Power Sharing; 4.4 Power Sharing in MTDC Grid; 4.5 AC-MTDC Grid Load flow Solution; 4.6 Post-contingency Operation; 4.7 Linear Model; 4.8 Case Study; Chapter 5: Frequency Support; 5.1 Introduction; 5.2 Fundamentals of Frequency Control; 5.3 Inertial and Primary Frequency Support from Wind Farms; 5.4 Wind Farms in Secondary Frequency Control (AGC); 5.5 Modified Droop Control for Frequency Support; 5.6 AC-MTDC Load Flow Solution; 5.7 Post-Contingency Operation; 5.8 Case Study; Chapter 6: Protection of MTDC Grids. 6.1 Introduction 6.2 Converter Station Protection; 6.3 DC Cable Fault Response; 6.4 Fault-blocking Converters; 6.5 DC Circuit Breakers; 6.6 Protection Strategies; References; Index; End User License Agreement.

Sommario/riassunto

"Presents a comprehensive modeling framework for MTDC grids which is compatible with the standard AC system modeling for stability studies"--
