

REFERENCES

- [1] E. W. Kimbark, "Direct Current Transmission", Vol. 1, Wiley Interscience, 1971.
- [2] J. Arrillaga, "High Voltage Direct Current Transmission", 2nd ed, the Institution of Electrical Engineers, 1998.
- [3] K. R. Padiyar, "HVDC Power Transmission Systems", Technology and System Interactions, John Wiley & Sons, 1990.
- [4] Dennis A. Woodford, "HVDC Transmission", Manitoba HVDC Research Centre, 400-1619 Pembina Highway, Winnipeg, Manitoba, R3T3Y6 Canada, 18 March 1998.
- [5] D.M.Larruskain, I. Zamora, A.J.Mazon and et al, "Transmission and Distribution Networks: AC versus DC", Department of Electrical Engineering, University of the Basque Country – Bilboao (Spain). www.ehu.es
- [6] Mesut E. Baran, Nikhil R. Mahajan, "DC Distribution for Industrial Systems: Opportunities and Challenges", IEEE Transactions on Industry Applications, vol. 39, No. 6, November/December, 2003.
- [7] Black and Veatch, "High Voltage Direct Current Transmission System Study", The United Illuminating Company, The Connecticut Light and Power Company Middletown-Norwalk Transmission Line project, B&V Project 133193.43.1200, December, 2003.
- [8] Jos Barreletes, "High Voltage Direct Current Transmission", Ed. Peter Peregrinus, 1983.
- [9] High-Voltage Direct Current Handbook, First Edition, Palo Alto: Electric Power Research Institute, 1994.

[10] Rujiroj Leelaruji, "Availability Assessment of HVDC Converter Transformers Using Markov Modeling", Master Thesis written at KTH, the Royal Institute of Technology, School of Electrical Engineering, 2007.

[11] MUHAMMAD H. RASHID,"Power Electronics Handbook", International Standard Book Number: 0-12-581650-2, ACADEMIC PREESS, A Harcourt Science and Technology Company, New York / Canada, 2001.

[12] High Voltage Direct Current Transmission Technology Proven Technology for Power Exchange, Siemens Power Transmission and Distribution, High Voltage Division, Postfach 3220 , 91050 Erlangen Germany, www.siemens.com/hvdc, 2007.

[13] Sastry Kumganty,"HVDC Transmission System Model for Power System Reliability Evaluation", IEEE Wescanex '95 Proceedings, 1995.

[14] B.R. Andersen, L.Xu, P. J. Horton and P. Cartwright," Topologies for VSC transmission", Power Engineering Journal, June, 2002.

[15] B. Zohouri ZANGENEH, A. SHOULAIE,"A New Simulator for HVdc/ac Systems-Part I", Turk J Elec Engin, VOL.11, NO.3, 2003.

[16] OWEN Workshop Offshore-Windparks, SIEMENS, November, 2000.

[17] D. Sudarmadi1, G. C. Paap, L. v.d. Sluis, "Planning Issues for Java-Sumatera HVDC Interconnection", Proceedings of the International Conference on,Electrical Engineering and Informatics ,Institut Teknologi Bandung, Indonesia June 17-19, 2007.

[18] Juan Miguel Perez de Andres,Miguel MuhlenKamp,Dietmar RetZmann and et al, "Prospect for HVDC – Getting more out of the Grid", Comite de estudios B4 y electronica de potencia,Madrid, 29-30 noviembre 2006.

- [19] Nelson River DC Transmission System, revised on 2004-03-21.
- [20] Performance of high-voltage direct current (HVDC) Systems with line-commutated converters, Technical Report, Second edition 2005-3.
- [21] Bahrman, P.E,"HVDC Transmission", Michael Bahrman, P.E.IEEE PSCE, Atlanta, November 1, 2006.
- [22] Paulo Fischer de Toledo, "Feasibility of HVDC for City Infeed", Licentiate Thesis, Royal Institute of Technology, Department of Electrical Engineering, Electric Power Systems, Stockholm 2003.
- [23] Billinton, Fotuhi-firuzabad, Billinton, "Reliability evaluation of hybrid multiterminal HVDC subtransmission systems", IEE Proceedings: Generation, Transmission and Distribution, v 149, n 5, September, 2002.
- [24] Madrigal,M.Acha, "Harmonic modeling of voltage source converters for HVDC stations", IEE Conference Publication, 7th International Conference on AC-DC Power Transmission, London, United Kingdom, Nov 28-30,2001.
- [25] Tanaka,Toshihiko,Nakazato and et al, " A new approach to the capacitor-commutated converter for HVDC - A combined commutation-capacitor of active and passive capacitors", Proceedings of the IEEE Power Engineering Society Transmission and Distribution Conference, v 2, n WINTER MEETING, 2001, p 968-973,IEEE Power Engineering Society Winter Meeting, Jan 28- 1,2001.
- [26] Arifoglu, Ugur, " The power flow algorithm for balanced and unbalanced bipolar multiterminal ac-dc systems", Electric Power Systems Research, v 64, n 3, March, 2003, p 239-246, March, 2003.

[27] Tortelli, O.L, Acha and et al, "Inclusion of a high voltage DC –voltage source converter model in a Newton-Raphason power flow algorithm", IEEE proceedings: Generation, Transmission and Distribution 150,n 6,p 691-696,NOV.2003.

[28] Aghaebrahimi, M.R. Menzies, R.W," Small power tapping from HVDC transmission systems: a novel", IEEE Transactions, v 12, p 1698-1703, Oct, 1997.

[29] K.W.V. David, A.K. Hammad," robust co-ordinated control scheme for HVDC transmission with parallel AC systems", Delivery, IEEE Transactions, v 9, p 1710-1716, Jul 1994.

[30] Narendra, K.G. Sood, V.K. Khorasani, K. Pate, " Investigation into an artificial neural network based on-line current controller for an HVDC transmission link", IEEE Transactions, v 12, p 1425-1431, Nov 1997

[31] Osauskas, C. Wood," Small-signal dynamic modelling of HVDC systems", Power Delivery, IEEE Transactions, v 18, p 220-225, Jan 2003.

[32] Asplund, G.ABB Power Syst. AB, Ludvika," Application of HVDC Light to power system enhancement", Power Engineering Society Winter Meeting, 2000. IEEE, v 14, p 2498-2503, Jan 2000.

[33] Hammad, A.E. Long, W.F.ABB Asea Brown Boveri Ltd and et al," Performance and economic comparisons between point-to-point HVDC transmission and hybrid back-to-back HVDC/AC transmission", Power Delivery, IEEE Transactions, v 5, p 1137-1144, Apr 1990.

[34] Billinton, R. Aboreshaid, S. Fotuhi-Firuzabad and et al, " Diagnosing the health of bulk generation and HVDC transmission systems", Power Systems, IEEE Transaction, v 12, p 1740-1745, Nov 1997.

[35] Sood, V.K. Kandil, N. Patel, R.V. Kohorasani and et al, "Comparative evaluation of neural network based and PI current controllers for HVDC transmission", Power Electronics Specialists Conference, IEEE, Jun 1992.

[36] Sewan Choi, Chungyen Won, Youngseok Kim, Chanki Kim, " High-pulse conversion techniques for HVDC transmission systems", Generation, Transmission and Distribution, IEE Proceedings, V 150, P 283-290, May 2003.

[37] Karlecik-Maier, F. Siemens AG, Erlangen, " A new closed loop control method for HVDC transmission", Power Delivery, IEEE Transactions, V 11, P 1955-1960, Oct, 1996.

[38] Westerweller, Th. Pereira, A. Huang, H. Wild, " Performance calculation and operating results of active AC harmonic filters for 44HVDC transmission systems", Power Engineering Society Summer Meeting, IEEE, V 1, P 337 – 342, July 2001.

[39] Takeda, H. Ayakawa, H. Tsumenaga, M. Sanpei, " New protection method for HVDC lines including cables ", Power Delivery, IEEE Transactions, v 10, p 2035-2039, Oct. 1995.

[40] Nagat M.K. Abdel-Gawad, "HVDC systems voltage profiles under different conditions for interconnected power systems", paper EE155, proceedings of the 7th, ICEENG International conference on Electrical Engineering, Cairo, Egypt, 25-27 May, 2010.

[41] Weixing Lu, " Control and Application of Multi-Terminal-HVDC Based on Voltage-Source converter", B.Eng. Huazhong University of Science and Technology, P.R. China, February.

[42] T. J. Hammons, D. Woodford, J. Loughtan, M. Chamia, J. Donahoe, D. Povh, B. Bisewski, W. Long, "Role of HVDC Transmission in Future Energy Development", IEEE Power Engineering Review, pp. 10-25, February 2000.

[43] EMTDC-PSCAD: software Developed by Manitoba HVDC Research Center, Winnipeg, Canada.