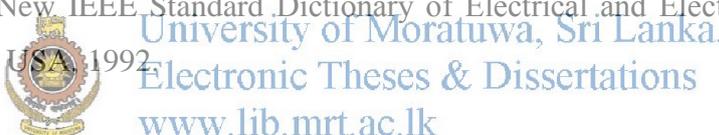


## Reference

---

- [1] Emma Grubbstrom, “Grounding of a 230kV Transmission Line over a limestone ridge”, A Case Study in Lao P.D.R, UPTEC ES11028, Examensarbete 30hp, 2011.
- [2] Ceylon Electricity Board Technical Specification on Transmission Line.
- [3] BS EN 62305-3:2011 „Protection against lightning part3: physical damage to structures and life hazard“European Committee for Electrotechnical Standardization (CENELEC).
- [4] IEEE Std. 80-2000 „Guide for Safety in Substation Grounding“ The Institute of Electrical and Electronic Engineers, New York, 2000.
- [5] The New IEEE Standard Dictionary of Electrical and Electronic Terms, IEEE Std. 100, USA 1992.  University of Moratuwa, Sri Lanka. Electronic Theses & Dissertations www.lib.mrt.ac.lk
- [6] Vijayaraghavan et al, “Practical Grounding, Bonding, Shielding and Surge Protection”, Elsevier, Oxford, 2004.
- [7] VAST, Vattenfalls jordningskommitté: “Jordning av stationer och ställverk-Konstruktionsanvisningar, Mätmetoder.”, Rapport, 1987.
- [8] Laughton, M.A, “Electrical Engineer’s Reference Book, 16th Edition, Elsevier, 2003.
- [9] Grainger, John J., Stevenson, W. Jr. “Power System Analysis”, McGraw-Hill Inc., Singapore, 1994.
- [10] IEEE, “IEEE Guide for Safety in AC Substation Grounding”, IEEE Std. 80-2000, revision of IEEE Std. 80-1986, 2000.

[11] IEEE, "IEEE Guide for Generating Station Grounding", IEEE Std. 665-1995, revision of IEEE Std. 665-1987, 1996.

[12] ERICO, "Facility Electrical Protection Catalogue", Catalog E905C-EUEN.

[13] Zipse, "Grounding Methods- A Primer", Industrial and Commercial Power Systems Technical Conference, IEEE, 2002.

[14] Guldbbrand, A., "Earth Faults in Extensive Cable Networks", Licentiate Thesis, Department of Measurement Technology and Industrial Electrical Engineering, Lund University, 2009.

[15] Overhead Electrical Lines Exceeding AC 45kV- Part 1: General requirements – Common specifications, BS EN 50341-1:2001 British Standard, 2001.

[16]  *IEEE Guide for Safety in AC Substation Grounding*, ANSI/IEEE Standard 80, 1986, 1986.  [www.lib.mrt.ac.lk](http://www.lib.mrt.ac.lk)

[17] *Effects of Current on Human Beings and Livestock-Part1:General Aspects*, IEC/TS 60479-1:2005, 2005.

[18] Raytheon Engineers & Constructors, *Electric Distribution Systems Engineering Handbook*, McGraw Hill, New York, 1994.

[19] K.C.Agrawal, *Industrial Engineering and Applications Handbook*, Newnes, Great Britain, 2001.

[20] Paul Gill, *Electrical Power Equipment Maintenance and Testing*, Marcel Dekker, New York, 1998.

[21] IEEE Guide for Safety in AC Substation Grounding, IEEE Std. 80, USA, 2000.

[22] J. G. Sverak, —Simplified Analysis of Electrical Gradients above a Ground Grid; Part I – How good is the present IEEE method?l , IEEE Transactions on Power Apparatus and Systems, Vol. PAS-103, pp. 7-25, January 1984.

[23] S. J. Schwarz, —Analytical Expressions for the Resistance of Grounding Systemsll, AIEE Transactions, Vol. 73 part III-B, pp.1011-1016, 1954.

[24] J.A. Güemes, F.E. Hernando, F. Rodrigez, J.M. Ruiz, —A Practical Approach of Determining the Ground Resistance of Grounding Gridsll, IEEE Transactions on Power Delivery, Vol. 21 No.3, July 2006.

[25] IEEE, “IEEE Recommended Practice for Grounding of Industrial and Commercial Power Systems”, IEEE Std. 142-2007, revision of IEEE Std. 142-1991, 2007.

[26] Beaty, H. Wayne, Fink, Donald G., “Standard Handbook for Electrical Engineers” 15th Edition, McGraw-Hill Inc., 2007.



University of Moratuwa, Sri Lanka.  
Electronic Theses & Dissertations  
[www.lib.mrt.ac.lk](http://www.lib.mrt.ac.lk)

[27] Elfving, “ABB Handbok Elkraft”, Wallin och Dalholm Tryckeri AB, Lund, 1987.

[28] Svenska Kraftnät, ”Technical Guidelines for 400 kV and 200 kV OH-Lines, SvK TR5-13”, revision of TR5:113-2000, 2010.

[29] IEEE, “IEEE Standard for Testing and Performance for Optical Ground Wire for Use on Electrical power Lines”, IEEE Std. 1138-2009, revision of Std. 1138-1994, 2009.

[30] Cooray, V., “Lightning Protection”, Institution of Engineering and Technology, ISBN: 978-0-86341-744-3, 2010.

[31] Overhead Power Lines, Planning, Design, Construction by F. Kiessling, P. Nefzger, J.F Nolasco, U. Kaintzyk.

[32] Research on Reducing Ground resistance of transmission line tower grounding grid, Feng Zhenghua Lu Ling, Feng Junzhong, 2003.

[33] K.S.S. Kumara (year 2009) “Lightning Performance of Sri Lankan Transmission Lines: A Case Study”, MSc Thesis, University of Moratuwa, Sri Lanka.

[34] *IEEE Guide for the Application of Insulation Coordination*, IEEE Std 1313.2-1999, 1999.

[35] *The Lightning Performance of Transmission Lines*, IEEE Std 1243-1997, 1997.

[36] Working Group on Estimating the Lightning Performance of Transmission Lines, “IEEE Working group report estimating lightning performance of transmission lines II-updates to analytical models,” IEEE Transaction on Power Delivery, vol. 8, No. 3, pp. 1254 – 1267, 1993.

[37] James T. Whitehead, “Lightning performance of TV’s 500-kV and 161-kV transmission lines,” IEEE Transaction on Power Apparatus and Systems, vol. PAS-102, No. 3, pp. 752-768, 1983.

[38] W. A. Chisholm, Y. L. Chow and K. D. Srivastava, “Travel time of transmission Towers,” IEEE Transaction on Power Apparatus and Systems, vol. PAS-104, No. 10, pp. 2922-2928, 1985.

[39] Tomohiro Hayashi, Yukio Mizuno and Katsuhiko Naito, “Study on transmission- line arresters for tower with high footing resistance,” IEEE Transaction on Power Delivery, vol. 23, No. 4, pp. 2456-2460, 2008.

[40] *IEEE Guide for protective relay applications to transmission lines*, IEEE Std C37.113, 1999.

[41] P. Chowdhuri, S. Li and P. Yan: „„Rigorous analysis of back-flashover outages caused by direct lightning strokes to overhead power lines,““ IEE Proceedings-Generation, Transmission and Distribution, vol. 149, No. 1, pp. 58-65, January 2002.

[42] Takehiko Takahashi and Taro Kawase, „„Calculation of earth resistance for a deep- driven rod in a multi-layer earth structure,““ IEEE Transactions on Power Delivery, vol. 6, No. 2, pp. 608-614, 1991.

[43] Akihiro Ametani, Tomohiro Chikaraa, Hiroshi Morii and Takashi Kubo, „„Impedance characteristics of grounding electrodes on earth surface,““ Electric Power Systems Research, vol. 85, pp. 38-43, April 2012.

[44] N. A. Abdul Rahman, A. M. Ahmad Marican, A. M. Davies, “Tower earthing design to reduce faults in transmission lines due to lightning”, *17th Conference of Electric Power Supply Industry (CEPSI 2008), October 2008, Macao.*



University of Moratuwa, Sri Lanka.  
Electronic Theses & Dissertations  
[www.lib.mrt.ac.lk](http://www.lib.mrt.ac.lk)