

REFERENCES

1. Dissendorf W. : 'Insulation co-ordination in high voltage electric power systems' London, Butterworths & Co. 1974.
2. BBC Publication : 'Dielectric Stresses and co-ordination of insulation', Publication No. CH-A050020E, 1976.
3. Wankhede A.P. : 'Overvoltage protection of EHV substations', M.Tech thesis, I.I.T. Bombay, 1978.
4. AIEE Committee : 'Switching surges-I, phase-to ground voltages', AIEE Trans., Vol.80, pt.III 1961, P240-261.
5. IEC Publication-60 : 'High Voltage testing technique', 1971.
6. Dandeno P.L. McClymont K.R. : 'Extra high voltage system overvoltages following load rejection of hydraulic generation', IEEE Trans., PAS-82, P49-57, 1963.
7. DeMello F.P. Dolbec A.C. Swann D.A. Temoshok M. : 'Analog-computer studies of system overvoltages following load rejection', IEEE Trans., PAS-82, P42-49, 1963.
8. Scheneider K.H. : 'Phase-to-phase insulation co-ordination', CIGRE, Electra No. 64, PP137-157, 1979.
9. IEEE Committee : 'Switching surges-II, selection of typical waves for insulation co-ordination', IEEE Trans., PAS-85, P1091-1097, 1966.
10. IEEE Committee : 'Switching surges-III, field and analyser results for transmission line, past, present and future trends', IEEE Trans., PAS-89, P173-189, 1965.
11. Udo T. : 'Sparkover characteristics of large gap spaces and long insulator strings', IEEE Trans., PAS-83, P 471-483, 1964.
12. Watanabe T. : 'Switching surge flashover characteristics of extremely long air gaps and long insulator strings', IEEE Trans., PAS-86, P 993-936, 1967.

13. Paris L.  
Cortina R. : 'Switching and lightning impulse discharge characteristics of large air gaps and long insulator strings', IEEE Trans., PAS-87, No.4, P947-957, 1968.
14. Schneider K.H.  
Turner F.J. : 'Switching surge flashover characteristics of long sphere plane gaps for EHV station design', IEEE Trans., PAS-94, No.4. P551-559, 1975.
15. Suzuki T.  
Miyake K. : 'Quantitative analysis of switching surge flashover saturation characteristics', IEEE PAS CP 73, 1973.
16. Feser K. : 'Mechanism to explain the switching impulses phenomena', Schweizerische, No. 46, November, 1971.
17. Gallet G.  
Leroy G.  
Lacey R  
Kromer I. : 'General expression for positive switching impulse strength valid upto extra long air gaps', IEEE Trans., PAS-94, No.6, PP1989-1993, 1975.
18. Hutzler B.  
Hutzler D. : 'Leader propagation model for pre-determination of switching surge flashover voltage of large air gaps', IEEE-Trans., PAS-97, PP 1087-1096, 1978.
19. Gallet G.  
Leroy G. : 'Expression for switching impulse strength suggesting a highest permissible voltage for AC systems', IEEE conf. paper C73-408-2, 1973.
20. Paris L. : 'Influence of air gap characteristic on line-to-ground switching surge strength', IEEE Trans., PAS-86 PP 936-947, 1967.
21. Jones B.  
Waters R.T. : 'Air insulation at large spacings', Proc. IEE, Vol.-125, PP1152-1176, 1978.
22. Waters R.T. : 'Breakdown in non-uniform fields', Proc. IEE, Vol-128 Pt.A, No.4, PP 319-325, 1981.
23. Carrara G.  
Thione L. : 'Switching surge strength of large air gaps: A Physical approach', IEEE Trans., PAS-95, PP 512-520, 1976.

24. Jones B. : 'Switching surges and air insulation' Phil. Trans. Roy. Soc., A275, PP165-180, 1973.
25. Lalot J. Hutzler B. : 'Influence of non-standard switching impulses on the flashover mechanisms of air gaps', IEEE Trans., PAS-97, No.3, PP 848-856, 1978.
26. Suzuki T. Miyake K. : 'Experimental study of breakdown voltage-time characteristics of large air gaps with lightning impulses', IEEE Trans., PAS-96, PP 227-233, 1977.
27. Menemenlis M. Isaksson K. : 'The front shape of switching impulses and its effect on breakdown parameters', IEEE Trans., PAS-93, 1974.
28. Harada T. Aihara Y. Aoshima Y. : 'Influence of SI waveshape on flashover voltage of air gaps', IEEE Trans., PAS-92, No.3, P1085-1093, 1973.
29. Menemenlis M. Isaksson K. : 'Influence of the various parts of the switching impulse front on discharge development', IEEE Trans., PAS-94, PP 1725-1733, 1975.
30. Baldo G. Pesavento G. : 'Breakdown characteristics of rod-plane gaps under oscillating impulses', 7th Int. conf. on gas discharges, London, 1982.
31. Thione L. Pigini A. Sartorio G. : 'Consideration on the influence of the positive switching impulse shape on dielectric strength of Rod-plane air gaps', CIGRE 33-73 (WG 03), 6IWD, Colombo-1, 1973
32. Carrara G. Zaffanella L.E. : 'UHV external insulation challenging aspects', Electra No.23, PP 177-189, July 1972.
33. Feser K. : 'Influence of corona discharges on the breakdown voltage of air gaps', Proc. IEE, Vol-118, No.9, PP 1309-13, 1971.
34. Water R.T. Jones R.E. : 'The impulse breakdown voltage and time-lag characteristics of long gaps in air', Phil. Trans., A256, PP 185-234, 1964.
35. Waters R.T. Richard T.E. Stark W.B. : 'Structure of the impulse corona in a rod/plane gap-I. The positive corona', Proc. Roy. Soc., PP1-25, A315, 1970.

36. Pignini A.  
Thione L.  
Brambilla R. : 'Corona phenomena on high voltage electrodes in air', Electrotechnique congress, Mondrel, P 21-25, Moscow, 1977.
37. Kline L.E. : 'Corona cloud model, predictions of switching surge flashover voltage Vs. electrode geometry', IEEE summer meeting, 1976.
38. Allen N.L.  
Berger G.  
Dring D.  
Hahn R. : 'Effects of humidity on corona inception in a diverging electric field', IEE Proc., Vol-128, Part-A, No.8, PP 565-570, 1981.
39. Menemenlis C.  
Harbec G.  
Grenon J.F. : 'Switching impulse corona inception and breakdown of large high voltage electrodes in air', IEEE Trans., PAS-97, PP 2367-74, 1978.
40. Ganger B.E.  
Maier E.G. : 'Studies of spark formation at high switching surge voltages of positive polarity', IEEE Trans., PAS-91, PP 2427-2436, 1972.
41. Baldo G.  
Gallimberti I.  
Garcia H.N.  
Hutzler B.  
Jouarie J.  
Siemen M.F. : 'Breakdown phenomena of long gaps under switching impulse conditions, influence of distance and voltage level', IEEE power Engg. Society, Summer Meeting, T4 CHO 910-0-PWR, 1974.
42. Esposti G.D.  
Eili E.  
Mosca W.  
Thione L. : 'Considerations of the maximum allowable surface gradients on the electrodes of the high voltage apparatus', International symposium on HV technology, Munich, March 1972.
43. Carrara G.  
Colombo A.  
Tellarini M. : 'Report and comments on a Symposium on UHV laboratory planning', IEEE Conf. paper no. 68-CP-691 presented at the summer power meeting, Chicago, June 1968.
44. Carrara G.  
Thione L. : 'Application of discharge phenomena under switching impulse to engineering design of air clearances', IEEE power engineering society, Summer meeting, California, 1974.
45. Marazek J. : 'Some results of Czech research of long air sparks', 3rd ISH, Milan, paper No.51.05, 1979.

46. IEC document : 'Guide to switching impulse performance of standard post insulators in different applications', IEC Sub-committee 36 C, insulators for substations.
47. Thione L. : 'A study of the dielectric behaviour of high voltage electrodes in view of their indoor and outdoor applications', CIGRE SC 33-73 (WG 03) IWD, 1973.
48. Kachler A.J.  
Forest J.J.  
Zaffanella L.E. : 'Switching surge flashover of HHV-EHV towers', IEEE Trans., PAS-89, P1762, 1970.
49. Rowell C.W.  
Ryan H.N. : 'Switching impulse strength of a 765kV simulated tower window with V-string insulators under artificial rain', 3rd ISH, Milan, paper No. 52.11, 1979.
50. Hepworth J.K.  
Klewe R.C.  
Tozer B.A. : 'Impulse breakdown of large sphere plane gaps', Proc. IEE, 119, PP 1751-1753, 1972.
51. Kosztaluk R.  
Lanois R.  
Malewski R.  
Menemenlis C.  
Naguyan D. : 'Effect of time shift between the two-voltage components on phase-to-phase insulation strength', IEEE power engg. society summer meeting, 1981.
52. Leroy G.  
Gallet G.  
Kosztaluk R.  
Kromer I.L. : 'Ultra high voltage overhead networks: determining of insulation distances', RGE, numero special, June, 1974.
53. Darveniza M.  
Holcombe B. : 'The switching impulse strength of a long air gap with a sheet barrier', World electrotech-congress, June 21, 1977.
54. Pigini A.  
Rizzi G.  
Thione L. : 'Influence of the gap geometry and impulse shape on the leader characteristics', Electra No.53, PP 51-61, July 1977.
55. Alexanarov G.N.  
Ivanov V.L.  
Sokolov A.M. : 'Flasnover characteristics of long air gaps for high voltage apparatus', 3rd ISH, Milan, paper No.52.17, 1979.
56. Vibholm S.  
Pedersen A. : 'Factors affecting impulse breakdown of rod/rod gaps', IEEE Int. conf. on gas discharges, London, 1974.

57. Les Renardieres Group : 'Research on long air gap discharges at les Renardieres', Electra No.23, July, 1972.
58. Les Renardieres Group : 'Research on long air gap discharges at les-Renardieres', Electra No. 35, July 1874.
59. Les Renardieres Group : 'Positive discharges in long air gaps at les-Renardieres', Electra No. 35, July, 1977.
60. Les Renardieres Group : 'Negative discharges in long air gaps at les-Renardieres', Electra No. 74, January, 1981.
61. Hutzler B.D. : 'A model of the breakdown in large air gaps', EDF bulletin, No.4, PP 11-39, 1982.
62. Klewe R.C.  
Waters R.T.  
Jones B. : 'Review of models of breakdown', IEEE power Engg. society summer meeting, 1974.
63. Lemke E : 'A model of the breakdown of long air gaps', 4th science conference Dept. of Elect. Engg., Techn. Univ. Dresden, 1973.
64. WG - 02 : 'Evaluation guide for phase-to-phase and phase-to-ground overvoltage factors', Document 33-78, OS, CIGRE S.C. 33, 1977.
65. WG 33 - 03 : 'Switching impulse strength of phase-to-phase external insulation', Electra No.64, PP 158-180, 1979.
66. WG 33 - 03 : 'Switching impulse test procedure for phase-to-phase air insulations', Electra No. 30, PP 55-69, October, 1973.
67. Gallet G.  
Hutzler B.  
Riu J.P. : 'Analysis of the switching impulse strength of phase-to-phase air gaps', IEEE Trans., PAS-97, No.2, 1978.
68. Colombo A.  
Sartorio G.  
Taschini A. : 'Phase-to-phase air clearance in EHV substations as required by switching surges', CIGRE, Report No. 33-11, 1972.

69. Taschini A. : 'Phase-to-phase switching overvoltages', CIGRE S.C. No.33, meeting in Sydney, 1969.
70. Cortina R. : 'Strength characteristic of air gaps subjected to interphase switching surges', IEEE, Trans., PAS-89, PP 448-452, 1970.
71. IEEE Committee : 'Minimum electrical clearances for substations based on switching surges requirements', IEEE Trans., PAS-84, PP 415-417, 1965.
72. Bellaschi P.L. : 'Rationalisation of electrical clearances at EHV'S 230kV to 460/500 kV', AIEE Trans., PAS, Vol. 78, PP 736, 1959.
73. Udo T. : 'Minimum phase-to-phase electrical clearances for substations based on switching surges and lightning surges', IEEE Trans., PAS-85, PP 838-845, 1966.
74. Udo T. : 'Switching surge and impulse spark-over characteristic of large gap spacings and long insulator strings', IEEE Trans., PAS-84, PP 304-309, 1965.
75. Udo T. : 'Switching surge sparkover characteristics of air gaps and insulator strings under the practical conditions', IEEE Trans., PAS-85, No.8, PP 859-864, August 1966.
76. Dellera L. : 'Methods of interphase switching impulse tests on air insulation', Electra No.3, PP 24-41, 1967.
77. Zaffanella L.E. : Carrara G. : 'A statistical aspect of the co-ordination of two gaps', IEEE Trans., PAS-84, PP 232-236, 1965.
78. W.G. 23.01 : 'Insulation characteristics of substations with a nominal voltage up to 765kV', Electra No.39, PP 31-46, 1975.
79. Cortina R. : '1KM UHV test line: Preliminary Taschini A. phase-to-phase switching tests', Carrara G. CIGRE paper 33-15, 1978.
- Thione L.

80. Ido T.  
Tada T.  
Watanabe Y. : 'Switching surge sparkover characteristics of air gaps and insulator strings under the non-standard conditions', IEEE Trans., PAS-85 PP 67-104, 1967.
81. Boyd H.A.  
Rohlf A.F.  
Zaffanella L.E. : 'Phase-to-ground and phase-to-phase switching surge flashover of external insulation of UHV station', IEEE Trans., PAS-93, No.2, PP 518-528, 1974.
82. WG 33 - 03 : 'Interphase switching impulse tests', CIGRE Task Force Report 33-07-03, July, 1972.
83. Menemenlis C.  
Mc Gillis D. : 'Phase-to-phase insulation co-ordination', CIGRE 33-09, Paris 1980.
84. Thione L. : 'Criteria for the evaluation of the parameters defining switching overvoltages; based on the dielectric strength', colloquium of CIGRE SC 33, London, 1977.
85. Menemenlis C.  
Anis H.  
Harbec G. : 'Phase-to-phase insulation, Part-I and II', IEEE Trans., PAS-95, PP 643-659, 1976.
86. Zacke P. : 'Breakdown phenomena of Rod-Rod gaps under impulse voltages of opposite polarity on both electrodes', Ph.D. thesis, University of Stuttgart, 1979.
87. Weck K.H.  
Studinger H.  
Thione L.  
Pigini A.  
Alexandrov G.N. : 'Phase-to-phase and longitudinal insulation testing technique' CIGRE Paper No.33-09, 1976.
88. Markussin K.  
Matrovers F.B.  
Poelard M.  
Taschini A. : 'The insulation between terminals of circuit breakers and disconnectors', Electra No. 26, Seiten PP 21-41, 1973.
89. IEC-TC 28 : 'Supplement to IEC-71: Insulation co-ordination part III: Principles and rules for phase-to-phase insulation co-ordination'.
90. IEC publication-  
ion-56 : 'High voltage alternating current circuit-breakers', Part-4, Type tests and routine tests, 1972.

91. IEC Publication : 'Alternating current disconnector and earthing switches', 1975.
92. IEC-TC 17-17A, : 'IEC specifications for high voltage ac circuit breakers: New dielectric test specifications(draft)'.
93. IEC TC17-17-104: 'IEC specifications for high voltage alternating current disconnectors and earthing switches:New dielectric test specifications(draft)'.
94. IEC TC17-17A-11: 'Specifications for high voltage switches:New dielectric test specifications (draft)'.
95. IEEE Std-4,1978: 'IEEE standard techniques for High Voltage testing', 6th edition,1978.
96. Allibone T.E. :  
Dring D.  
Allen N.L. 'Influence of humidity on the spark-over of rod-rod gaps of several geometrical forms subjected to positive impulse voltages of varying waveshapes, Proc. IEE, Vol. 126, No.3, May PP 462-466, 1979.'
97. Allibone T.E. :  
Dring D. 'Influence of humidity on the breakdown of sphere and rod gaps under impulse voltages of short and long waveforms', Proc. IEE, Vol.119, PP 1417-1422, 1972.
98. Kucera J. :  
Liao T.W.  
Rohlfis A.F. 'Atmospheric correction factors for high voltage testing', Electra No.21, PP 74-85, 1972.
99. Kucera J. :  
Fiklik V. 'Correction of switching impulse flashover voltage for air humidity', IEEE Trans., PAS-89, PP 441-445, 1970.
100. Aihara Y. :  
Watanabe Y.  
Kishizima I. 'Analysis of new phenomenon regarding effects of humidity on flashover characteristics for long air gaps', IEE/PES summer meeting, paper no. 83 SM 457-9,Los Angeles, July 1983.
101. Hahn G. :  
Zacke P.  
Fisher A  
Boecker H. 'Humidity influence on switching impulse breakdown of a 50cm rod, plane gap', IEEE Trans, PAS-95, PP 1145-1152, 1976.

102. Aihara Y.  
Harada T.  
Aoshima Y.  
Ito Y. : 'Impulse flashover characteristics of long air gaps and atmospheric correction', IEEE Trans., PAS, Vol-97, No.2, 1978.
103. Busch W. : 'Air humidity: An important factor for UHV design', IEEE Trans., PAS, Vol-97, No.6, Nov-Dec, PP2086-2093, 1978.
104. Allibone T.E.  
Dring D. : 'Effect of humidity on sparkover of air gaps under impulse voltages' Proc. IEE, Vol-121, No.3, PP 221-222, 1974.
105. Prabhakar B.R. : 'Effect of humidity and temperature on impulse flashover voltage of air gaps', Proc. IEE, Vol-118 (6), PP 823-824, 1971.
106. WG 33-03 : 'Some ideas in relation to the revision of I.E.C. publication 60', CIGRE, 33-80(WG-03) IWD, 1980.
107. Schneider K.H.  
Weck K.H. : 'Parameters influencing the gap factor', Electra No.35, PP 25-45, 1974.
108. Barnes H.C.  
Winters D.E. : 'U.H.V. Transmission design requirements-switching impulse flashover characteristics of extra long gaps', IEEE Trans. PAS-90, No.4, PP 1579-1589, 1971.
109. Leroy G.  
Simon M.F.  
Liao T.W. : 'Introduction to the physics of long sparks in air', IEEE power engg. society summer meeting, 1974.
110. Garcia R.N. : 'The gap factor concept in the light of breakdown mechanisms', Technical University of Lisbon, Portugal.
111. Paris L.  
Taschini A.  
Scneider K.H.  
Weck K.H. : 'Phase-to-ground and phase-to-phase air clearances in substations', Electra No.29, PP29-44, July 1973.
112. Gallet G.  
Bettler M.  
Leroy G. : 'Switching impulse results obtained on the outdoor testing area at Renardiers', IEEE Conf. paper F75-509-0, 1975.

113. Hutzler B. : 'Time to breakdown distribution probability:statistical approach', IEEE power engg. society summer meeting, 1974.
114. Baldo G. : 'Phase-to-phase insulation:Effect of time shift between the two components of applied voltage', 3rd ISH, Milan paper 52-18, 1979.
115. Baldo G. : 'Phase-to-phase insulation: space charge effect on discharge development', 3rd ISH, Milan paper 51-12, 1979.
116. Cortina R. : 'Space occupation of EHV and UHV transmission lines as affected by the switching impulse strength of phase-to-phase insulation', CIGRE WG 33.03, Stockholm, 23-25 June, 1981.
117. ANSI C37-32 1972 : 'Schedules of preferred ratings, manufacturing specifications and application guide for H.V. Air-switches, Bus supports and switch accessories.
118. CUK N. : 'Co-ordination requirements for insulation of EHV and UHV disconnectors', 9th pan-American conf. of Elect. and Mech. engineering and allied branches, Nov. 14-19, 1982, San Jose.
119. CSA CAN 3-C308-M 80 : 'The principles and practices of insulation co-ordination'.
120. IEC publication 71 : 'Insulation co-ordination', 5th edition 1972.
121. Bachofen P. : 'Dielectric testing of H.V. switchgear according to the newly suggested IEC method', Hochspannungsfabrik, oberentfelden..
122. Boehne E.W. : 'Switching surge insulation strength of EHV line and station insulation structures', CIGRE conf., Paris, Report no. 415, 1984.
- Carrara G.

123. Menemenlis C. : 'The electric strength of 735kV Disconnector', CEA Montreal, March 1982.
124. Archambault J.J. : 'Phase-to-phase insulation coordination in EHV and UHV systems', Canadian Electrical association, March 1980, Montreal.
125. Harada T. : 'Influence of air density on flashover voltages of air gaps and insulators', IEEE Trans., PAS-89, No.6, PP 1192-1202, 1970.
126. Philips T.A. : 'Influence of air density on electrical strength of transmission line insulation', IEEE Trans., PAS-86, No.8, 1967.
127. Kachler A.J. : 'Switching surge results from project UHV: Influence of humidity and grading shields', IEEE Trans., Paper T1 TP 175,PWR, 1970.
128. Kuffel J. : 'Atmospheric influence on the switching impulse performance of 1-meter gaps', IEEE/PES winter meeting NY, paper No. 83 WM150-0 January 1983.
129. Pignini A. : 'Application of different correction approaches to the data obtained within the international co-operation among ENEL-CESI, C.F.E. and ESCOM', CIGRE, 33-84 (WG-03) 19 IWD, 1984.
130. Pignini A. : 'Influence of air density on the impulse strength of external insulation', IEEE power engg. society winter meeting, 1985.
131. IEC WG 42-05 (Secretary) : 'Revision of publication 60', April 1984.

132. Pigini A. : 'Atmospheric correction factors for lightning and switching impulse' CICRE 33-82(WG 03) IWD, meeting in Pugnochiuso, Italy, 1982.
133. Feser K. Pigini A. : 'Atmospheric correction factors, proposal for revision of IEC 60-2', CIGRE 33-84(WG 03) IWD, 1984.
134. Adhoc group on humidity influence : 'The influence of humidity on the dielectric behaviour of air gaps' CIGRE Document 33-81 (WG 03) 12 IWD.
135. Pigini A. Sartorio G. Moreno B. Ramirez M. Ochoa E. Portillo A. Cortina R. Garabagnati E. Britten A.C. Sadurski K.J. : 'Influence of air density and humidity on the breakdown voltage of air gaps, results of comparative tests done on a conductor-window configuration' CIGRE, 33-83 (WG-03) 29 IWD, 1983.
136. Busse E. Feser K. : 'Influence of humidity upon the breakdown of a positive rod-plane gap and the correction factors to be applied', CIGRE 33-84 (WG 03) IWD, 1984.
137. Barnes H.C. Winters D.E. : 'UHV transmission design requirements-switching surge flashover characteristics of extra long air gaps', IEEE Trans., PAS-70, PP 1579-1589, 1971.
138. Barnes H.C. Thoren B. : 'Three years results from the AEP-ASEA UHV research', CIGRE paper 31-03, PP 4-11, 1972.
139. Train D. : 'Procedure for performing bias tests on high voltage circuit breakers and disconnect switches', Hydro-Quebec Institute of Research, Varennes, Canada.
140. Train D. Trinh N.G. : 'Prevention of recovery overvoltages on high voltage testing transformer', IEEE Trans, PAS-92, No.5, PP 1631-1641, Sept./Oct., 1973.

141. Parnell T.M. : 'The influence of circuit parameters on power frequency flashover tests', Electrical and mechanical Trans. of Inst. of Engg., Australia, Vol. EM3 No.2, PP 105-114, 1961.
- 142 Parnell T.M. : 'Transient overvoltages in power frequency tests', ibid, Vol.EM-6 No.1, PP 1-6, May 1964.
143. Selin I. : 'Recovery overvoltages during high voltage tests', Royal Institute of Tech, Stockholm, Sweden, Report, Feb., 1962.
144. Moller J. : 'Protective devices for test transformer' Messwandler Bau, GMBH, Bamberg
145. Train D. : 'Transient overvoltages on testing transformer', Electrical Times, 151, PP 713-717, 1967.
146. Kind D. : 'Transients in testing transformer due to the generation of switching impulses', IEEE Trans., PAS-97, NO.-2 March/April 1978.
147. Enache R. Coatu S. : 'High voltage insulating stresses by mixed voltages', Fourth ISH, Athens, Greece, 1983.
148. VDE 0433 1967 : 'Generation and measurement of high voltages', Part-1, Regulation for the generation and use of alternating and direct voltages for testing purposes.
149. Gallet G. Leroy G. : 'Up and Down testing modalities using fully automatic equipment, Application at less Renardiers to the study of large air gaps', IEEE paper C72, 562.7, 1972.
150. Dixon W.J. Mood A.M. : 'A method for obtaining and analysing sensitivity data'. J. Amer. Statist. Ass. 43 (1948). PP 109-126.

151. Gallet G.  
Weck K.H. : 'On the analysis of sigma as ob-  
tained by the Up and Down method',  
CIGRE SC33 (WG 33.03).
- 152 Kouno T.  
Oikawa T. : 'Standard deviation of flashover  
probability', Electrical Engg.  
in Japans Vol.87, PP 84-89,  
03/1967.
- 153 Anis H.  
Abo-EL-Saad M. : 'High Voltage impulse testing us-  
ing an optimized Up & Down  
method', Proc. of the IEEE Canadi-  
an communications & Power Conf.,  
P. 315-318, Montreal, 1978.
154. Mazza G.  
Michaca R : 'The first international enquiry  
on circuit breaker failures and  
defects in services' Electra,  
No. 79, Dec. 1981.