ADOPTION OF THE REVISED (4TH EDITION) PHILIPPINE ELECTRICAL CODE PART 2 (PEC 2) AS PART OF THE RULES AND REGULATIONS GOVERNING THE PRACTICE OF ELECTRICAL ENGINEERING AND AS A RE...

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WHEREAS, Engr. Amador C. Calado, Jr., Chairman of the Code Committee, Philippine Electrical Code Part 2, and Engr. Ramon P. Ayaton, Acting Head, Technical Services Group of the Institute of Integrated Electrical Engineers of the Philippines, Inc. (IIEE), submitted a copy of the revised Philippine Electrical Code Part 2 (PEC 2) consisting of two (2) volumes for adoption by the Board and approval of the Professional Regulation Commission.

WHEREAS, in his “Foreword” embodied in the 2000 Revised Philippine Electrical Code Part 2 (PEC 2), the Chairman of the Code Committee pointed out, among others, that the salient and significant changes in the 2000 (4th) Edition of the PEC 2 are the following:

1) The rules covering the method of connections to electrodes and the ground resistance requirement were changed to address more directly the grounding of substations. (Chapter 2)

2) The safety rules for the installation and maintenance of overhead lines were revised to clarify application to High Voltage Direct Current (HVDC) systems. Major changes were made in the rules applying to the communication circuits and fiber optics cables. Rearrangement of sub-topics was made. Essential tables were revised or added to update the necessary data. Figures/Illustrations on Clearance Diagrams on Buildings and other Structures were detached and renamed as Figures 3.4.5.1(c)-1 and 3.4.5.1 (c)-2 respectively. (Chapter 3)

3) The safety rules on the installation and maintenance of underground power electric and communication lines regarding random separation of direct buried cables were modified for consistency and clarity. (Chapter 4)

4) The rules on protective grounding were extended to include HVDC systems. The rule on outdoor installations of liquid-filled transformers was modified to include the use of less flammable liquids. Some tables were revised to update the important data. (Chapter 5)

5) Significant changes were made on the rules and tables covering personnel approach distances to energized conductors and parts. The revised requirements are based on the recommended values in recognized national standards. Rules regarding clothing to be worn by employees and workers on joint structures were revised. (Chapter 6)

WHEREAS, the Board, after a review of the changes introduced by the Code Committee of the IIEE on PEC 2, finds said changes to be not only well taken but also innovative as these changes would, among others, enhance the safety of electrical installations.

WHEREFORE, the Board resolved as it hereby resolves to adopt, promulgate and issue the attached two (2) volumes of the 2000 (4th) Edition of the Philippine Electrical Code Part 2, appended hereto and made an integral

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part of this Resolution as part of the Rules and Regulations Governing the Practice of Electrical Engineering and recommends to the Secretary of Public Works and Highways (DPWH) its approval and incorporation of this Code as a referral Code in the National Building Code, as provided in Sec, 201, Chapter 2 of P.D. No. 1069.

This Resolution shall take effect after (15) days following its publication in the Official Gazette or in a newspaper of general circulation in the Philippines, whichever comes earlier.

Let copy of this Resolution and a copy of the two (2) volumes of the 2000 PEC 2 (4th Edition) be furnished the Secretary of Public Works and Highways (DPWH) for his approval and incorporation thereof as a referral Code in the National Building Code.

Adopted: 18 Sept. 2000

(SGD.) RODOLFO R. PEÑALOSA
Chairman

(SGD.) ANTONIO C. CORONEL
Member

(SGD.) JOSE B. ABINOJA
Member

Attested:

(SGD.) CARLOS G. ALMELOR
Secretary, Professional Regulatory Boards

(SGD.) HERMOGENES P. POBRE
Commission Chairman

(SGD.) ALFONSO G. ABAD
Associate Commissioner

(SGD.) AVELINA DE LA REA-TAN
Associate Commissioner

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