



Canadian Standards Association
Mississauga, Ontario
To the Part I Committee

Subject No. 3216

Chair: B. Savaria

Date: March 22, 2005

Title: Use of Supplementary Overcurrent Protection, Rule 14-114

Submitted by: Shawn Paulsen, Chief Electrical Inspector, Province of New Brunswick, on behalf of the Technical Committee on Industrial Products on November 18, 2004.

Proposal:

1. Add a new Rule 14-114 to read as follow:

“ Supplementary overcurrent protection shall not be used as a substitute for branch circuit overcurrent devices or in place of branch circuit protective devices specified in this Section.”

2. Change Appendix B reference number pertaining to supplementary protectors from Rule 14-010 to 14-114.

Reasons for Request: The Technical Committee on Wiring Products was advised of apparent misapplications of supplementary protectors where these devices were being used in place of branch circuit overcurrent protection. To help address this situation CSA Standard C22.2 No. 235 was updated to include an application guide to help ensure the devices are correctly applied. The Technical Committee on Industrial Products established a Task Force to review supplementary protectors and if warranted make a recommendation to the CEC Part I to clarify their use. The Task Force concluded that a clause in Appendix B of the CEC was not sufficient enough for enforcement purposes and that a Rule in Section 14 was required. Acceptance of this proposal will also harmonize the requirements of the NEC and CEC since NEC Article 240-10 contains a clarification on the application of supplementary protectors.

Supporting Information: CSA Standard C22.2 No. 235, Supplementary Protectors contains Clause 1.5 which states “Protectors covered by this Standard are not to be used for overcurrent protection of circuits defined as “branch circuits” by the *Canadian Electrical Code, Part I*. *NEC Article 240-10 Reads* "Supplementary Overcurrent Protection. Where supplementary overcurrent protection is used for luminaires (lighting fixtures), appliances and other equipment or for internal circuits and components of equipment, it shall not be used as a substitute for branch –circuit overcurrent devices or in place of the branch-circuit protection specified in Article 210. Supplementary overcurrent devices shall not be required to be readily accessible.”

Chair’s Comments: As a member of C22.2 No.235, Supplementary Protectors, I have seen the turmoil that the lack of a precise rule has led to in the improper installation of this product,

Supplementary Protectors, as Branch circuit protection devices. We worked at revising the Standard for at least 30 months and had it published recently (2004).

As a member of the TCIP TF on the advisability of creating a Rule for the CEC, all of our TF encouraged our Chairman to proceed with a Proposal for such a Rule. Specific Code language cannot be overlooked in the application and installation of Supplementary Protectors.

Subcommittee Deliberations:

Eight Subcommittee members replied to the Chair's comments, one of whom asked for, and received, more details. Based upon the seven affirmative responses, we have consensus.

Subcommittee Recommendation:

On behalf of the sub-committee, the Chair recommends the following:

1. That Rule 14-114 be added to the CEC:
"Supplementary overcurrent protection shall not be used as a substitute for branch circuit overcurrent devices or in place of branch circuit protective devices specified in this Section."
2. That the Appendix B reference number pertaining to Supplementary Protectors be changed from Rule 14-010 to 14-114.