



Canadian Standards Association
Mississauga, Ontario
To the Part I Committee

Subject No. 3139

Chair: S.W. Douglas

Date: November 19, 2003

Title: Clarification of the Bonding Conductor Connection, Rule 68-058(6)

Submitted by: A.Z. Tsisserev of The City of Vancouver on August 16, 2003.

Proposal: Amend Subrule 68-056(6) as follows (change is shown underlined):

6) The bonding conductor from the junction box referred to in Rule 68-060 shall be run to the panelboard supplying pool electrical equipment, and....." (the rest is unchanged).

Reasons for Request:

Present wording of this Subrule has become a source of confusion among the Code users, as it states that the No. 6 copper conductor must "**run to the main distribution panelboard**".

The latter requirement is considered by some regulators and installers as the main distribution panel, that may be located extremely far from the pool, and as the first panelboard located in the area - by others.

In cases where pools are installed on the roofs of large hotels or other high rise residential complexes, this No. 6 conductor is extended through the entire building - to be terminated at the main panel, usually located at the parkade level.

However, bonding requirements mandated by the CEC for other specific types of environment (i.e., patient care environment regulated by Section 24, or hazardous location environment governed by Section 18) are limited only to the areas of that specific environment. This means, that bonding provisions of Section 18 have to be extended only through the areas of hazardous locations, etc.

Similarly, when No. 6 copper conductor is terminated at the bonding terminal of the panelboard that supplies equipment of the pool, the remainder of the bonding means should be governed by general provisions of Section 10 (size and type of bonding means).

Proposed amendment will clarify the intent of this rule and will improve consistency of it's application by the Code users.

Chair's Comments: The submission appears in order, please indicate agreement or disagreement with comments.

Subcommittee Deliberation: Five of the six subcommittee members replied. All agreed with the submission, one noting the incorrect rule reference.

Subcommittee Recommendation:

Amend Subrule 68-058(6) as follows (change is shown underlined):

6) The bonding conductor from the junction box referred to in Rule 68-060 shall be run to the panelboard supplying pool electrical equipment, and....." (the rest is unchanged).