



Canadian Standards Association  
Mississauga, Ontario  
**To the Part I Committee**

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Subject No. 3149

Chair: R. Chauhan

Date: March 14, 2005

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Title: Spare Conduit for Future Use, Rule 70-114(9)

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**Submitted by:** J. Biollo of 60 Caledonia Drive, Leduc, Alberta, T9E 6S6, Tel: (780) 986-9964, Fax: (780) 986-2852 on November 14, 2003.

**Proposal:** Add a Subrule 70-114 (9) to read:

70-114(9) In mobile homes a spare conduit of a minimum of 21mm (3/4") shall extend from the branch circuit section of the electrical panel to the underside of the mobile home for future use.

**Reasons for Request:** It is necessary to connect circuits external to the mobile home in most instances.

**Supporting Information:** Construction of the mobile home makes it difficult to access the branch circuit section of the panel without major damage in some cases. CAN/CSA Z240MH does not address this concern and refers to Part One for wiring requirements.

Many jurisdictions have stated they have found problems when additional circuits are added to the mobile homes. Many times the cables have been run through the main breaker section violating rules of the CEC.

**Chair's Comments:** This appears to be a safety issue. If modifications are required to the wiring panel after the home has been delivered and it jeopardizes the safety of the wiring installation this change is supported. By providing this conduit it will facilitate the connection of external circuits.

**Chair's Comments (Second Round):** One member presented good reasons for not supporting the proposal and I agree. Please review the following and respond to the survey questions by clicking on "Please indicate....."

Regarding the Spare Conduit for Future Use, Rule 70-114(9), I do not agree with the submission.

It is suggested that problems in the field are occurring where on-site electrical work is carried out by unqualified individuals. A qualified electrician would be able to conduct the work required to make modifications safely.

All factories offer optional junction boxes pre-wired to the panel boxes for the future installation of electrical equipment not provided initially with the home; buyers simply need to order what is desired.

Many types of wiring are added on a regular basis, such as wiring for:

- a garage
- air-conditioning
- hot tubs
- welders
- pressure washers
- pressure pumps for wells
- decorative holiday lighting
- yard lighting

If a homeowner wishes to add wiring after a factory-built home has been placed on the site, a 0.75 in. conduit would not be sufficient to support all of the items that could be added to the panel. Some requests for additions could be greater than the service would be able to support, especially in Western Canada where 100 ampere service is common.

**Chair's Proposal:** Reject and close the subject.

**Subcommittee Deliberation:** The Chair feels that there is consensus to conclude this subject. In the second round of deliberations the Chair made the recommendation to the Subcommittee and thus was not trying to avoid a discussion. He feels that the Subcommittee has deliberated sufficiently to arrive at a consensus position.

**Subcommittee Recommendation:** That the proposal be rejected and the subject closed.