



## Code Amendment Proposal Application

Department of Consumer & Business Services

Building Codes Division

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Oregon.gov/bcd

**Read the entire code amendment proposal application before completing this form. Please complete all parts before submitting your proposal and refer to the provided checklist.**

### APPLICANT INFORMATION

Name: Sumner J. 'Bud' Hill

Date: 9/21/2022

Representing (if applicable):

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State: Or

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### PROPOSAL INFORMATION

Specialty code: Oregon Electrical Specialty Code

Code section(s): 690.31(A)

Briefly explain the subject of your proposal: ORSC R1107.4 deals with the installation of a 'Solar Interconnection Pathway' that requires a 3/4 inch non-flexible metal raceway. OESC Section 690.31(A) states that PV output circuits shall be guarded or installed in MC cable or in raceway. I believe the wording 'Non flexible

### INSTRUCTIONS AND CHECKLIST

Fill in all the information above and submit this page, signed and dated, with the required supplementary information for Parts I, II, III, and IV described on page 2 of this application. This application may be submitted by mail to the mailing address above, or by email to [BCD.PTSPtech@oregon.gov](mailto:BCD.PTSPtech@oregon.gov).

#### Summary checklist for the applicant:

- Part I** Code amendment language is attached in the proper format.
- Part II** Amendment proposal requirements for amending the code have been reviewed.
- Part III** Amendment proposal criteria questions have been answered and are attached.
- Part IV** If applicable, additional ORSC energy efficiency amendment proposal information is attached.

**Note:** One application is required for each code section you are proposing to amend. If this proposal requires changes in other sections of the code for alignment, include those changes as part of this application.

### APPLICANT SIGNATURE

Signature:

Date:

21 SEPT 2022

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Complete proposed code change submitted on 9/21/22

ORSC N1107.4 deals with the installation of a 'Solar Interconnection Pathway' that requires a ¼ inch non flexible metal raceway. OESC 690.31(A) states that PV output circuits shall be guarded or installed in MC cable or in raceway. I believe the wording 'Non flexible metal raceway' should be added to OESC 690.31(A) so it would be inline with ORSC N1107.4. Because of the wording in OESC it is difficult to site a violation on a rough electrical inspection.

### 690.31 Wiring Methods. **(A) Wiring Systems.**

All raceway and cable wiring methods included in this *Code*, other wiring systems and fittings specifically listed for use in PV arrays, and wiring as part of a listed system shall be permitted. Where wiring devices with integral enclosures are used, sufficient length of cable shall be provided to facilitate replacement.

Where PV source and output circuits operating at voltages greater than 30 volts are installed in readily accessible locations, circuit conductors shall be guarded or installed in Type MC cable or in **a non-flexible metal** raceway. The ampacity of 105°C (221°F) and 125°C (257°F) conductors shall be permitted to be determined by **Table 690.31(A)(b)**. For ambient temperatures greater than 30°C (86°F), the ampacities of these conductors shall be corrected in accordance with **Table 690.31(A)(a)**.