FORM FOR PROPOSALS FOR 2002 *NATIONAL ELECTRICAL CODE®*

Mail to: Secretary, Standards Council
National Fire Protection Association
1 Batterymarch Park, P.O. Box 9101
Quincy, Massachusetts 02269-9101
Fax No. 617-770-3500

FOR OFFICE USE ONLY
Log# _____
DateRec'd _____

Note 1: All proposals must be received by 5:00 p.m. EST on Friday, November 5, 1999
Proposals received after 5:00 p.m. EST, Friday, November 5, 1999, will be returned to the submitter.
2. Type or print legibly in black ink. Limit each proposal to a SINGLE section. Use a separate copy for each proposal.
3: If supplementary material (photographs, diagrams, reports, etc.) is included, you may be required to submit sufficient copies for all members and alternates of the technical committee.

Please indicate in which format you wish to receive your ROP/ROC: ☐ electronic or ☐ paper

Date September 21, 1999 **Name** Task Group on Proposal 20-52 NFPA 70 – A98ROP **Tel. No.** _____

Company _____

Street Address _____

Please Indicate Organization Represented (if any) None

1.Section/Paragraph 1999 NEC Section 210-23(a)

2. Proposal Recommends: (Check one) ☐ **new text** ✓ **revised text** ☐ **deleted text**

3. Proposal (include proposed new or revised wording, or identification of wording to be deleted): (Note: Proposed text should be in legislative format: i.e., use underscore to denote wording to be inserted (inserted wording) and strike-through to denote wording to be deleted (~~deleted wording~~).
Add underlined text to existing Section 210-23(a), to read as follows:

(a) 15- and 20-Ampere Branch Circuits. A 15- or 20-ampere branch circuit shall be permitted to supply lighting units or other utilization equipment, or a combination of both. The rating of any one cord- and plug-connected utilization equipment shall not exceed 80 percent of the branch-circuit ampere rating unless listed and marked to inform the user of the necessity for providing an individual branch circuit . The total rating of utilization equipment fastened in place, other than lighting fixtures, shall not exceed 50 percent of the branch-circuit ampere rating where lighting units, cord- and plug-connected utilization equipment not fastened in place, or both, are also supplied.
Exception: The small appliance branch circuits, laundry branch circuits, and bathroom branch circuits required in a dwelling unit(s) by Sections 210-11(c)(1), (2), and (3) shall supply only the receptacle outlets specified in that section.

4. Statement of Problem and Substantiation for Proposal: (Note: State the problem that will be resolved by your recommendation; give the specific reason for your proposal including copies of tests, research papers, fire experience, etc. If more than 200 words, it may be abstracted for publication.)

See attached

5. ✓This Proposal is original material. (Note: Original material is considered to be the submitter's own idea based on or as a result of his/her own experience, thought, or research and, to the best of his/her knowledge, is not copied from another source.)

☐ **This Proposal is not original material; its source (if known) is as follows:** _____

_____

If you need further information on the standards-making process, please contact the
Standards Administration Department at 617-984-7249
For technical assistance, please call NFPA at 617-770-3000

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_____
Signature (Required)

PLEASE USE SEPARATE FORM FOR EACH PROPOSAL

SUBSTANTIATION:

This Proposal was developed by a task group in response to NFPA 70 – A98ROC Comments 20-9 and 20-42 through –71. The Proposal addresses the issues raised by Mr. King in Proposal 20-52 NFPA 70 – A98ROP), and fulfills the direction of CMP-20 in its disposition of Comments 20-9 and 20-42 through –71.

Presently, many types of cord-connected appliances employ attachment plugs utilized at 100% of the current rating of the plug as illustrated by the following table. The table does not cover all appliances and is only provided to illustrate that the requirements applied take into account the types of appliances and their intended use. This Proposal recognizes presently existing field conditions and provides a means for addressing the safety of these products in their intended applications. Further work will need to be done to develop definitions for continuous and intermittent duty as applied to 15Amp and 20Amp cord and plug connected appliances so that product standards can specifically address the issues of branch circuit loading.

The work towards harmonization of the National Electrical Code and Canadian Electrical Code is also noted and it is suggested that the NEC TCC take action to include this issue as a topic for discussion within the harmonization effort.

The task group participants consisted of:
John Kovacik (Task Group Chair, NEC TCC); Jim Pearse (CMP-20); William King(CMP-20); Jack Weizeorick (CMP-20); Tom Harman (CMP-2); and, Bob Wilkinson (CMP-2).

Interested Persons (Non-participants):
Don Fiedler (Emerson Tool); Julie Ayres (AHAM); Wayne Myrick (Sharp Electronics); Dave Peot (Power Tool Institute); Randy Maxwell (Helen of Troy); and, Mark Leimbeck (UL).

APPLIANCE	**PLUG RATING**			**DUTY**	
20a, Cord and Plug connected	80%	100%	100% w ded. receptacle	Intermittent	Continuous
Air Compressor			X		X
Central Vacuum Cleaner			X		X
Vacuum Cleaner	X				X
Clothes Dryers			X		X
Heating Equipment	X	X			X
Exercise Equipment		X			X
Indoor/Outdoor Grill		X			X
Lawn & Garden Tools		X		X	
Microwave Ovens		X		X	
Hair Dryers		X		X	
Power Tools		X		X	
Washing Machines			X		X