Form for Proposals on NFPA National Electrical Code

NFPA Document and Reference: NFPA 7	Section 230-XX in Part E (new)
SUBMITTER INFORMATION:	
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Representing: U.S. Consumer Product Safety	Country: U.S.A.
Commission staff Please indicate organization represente	ed (if any) Date: 09/07/1999
FOR EACH PROPOSAL, PLEASE COMPLETE EACH OF THE FOLL	OWING:
1.a)Document Title: National Electrical Code	NFPA No.: 70 Year: 1999
b) Article/Section: Section 230-XX in Part E	
(new) 2. Proposal recommends: (Check one):	t revised text deleted tex
Proposal (include proposed new or revised wording, or ident	ification of wording to be deleted):
Add new Section 230-XX as follows:	
230-XX. Replacement of Service Equipment in Dwelli	ng Units.
When service equipment in dwelling units is replaced,	
20-ampere lighting and appliance branch circuit shall b	e individually protected by an arc-fault circuit
interrupter.	
FPN: See Section 210-12(c). (Editorial note: Section 210-12(c)).	
submitted separately to the CMP for Article 210, to con	
For information purposes, proposed new Section 210-1	
Branch Circuits. Each existing 125-volt, single-phase,	
circuit shall be individually protected by an arc-fault ci	reuit-interrupter when the service equipment is
replaced.)	
4. Statement of Problem and Substantiation for Proposal:	D 1 2 2 2 2 2 1 1 (2D22)
According to a study conducted by the U.S. Consumer	
"Residential Electrical Distribution System Fires", Smi	
circuit wiring predominately occurred in dwellings ove	•
occurring in dwellings over 40 years old. Older dwellings	
service equipment to accommodate an increase in the service equipment to accommodate an increase equipment to accommodate an increase equipment to accommodate equipment	
equipment loads. However, often times, the existing light	
units are not replaced when the service is upgraded, due	
evaluate the remaining life expectancy of the branch cir	
frequently located in concealed spaces surrounded with condition at the time the service is upgraded. This property	· · · · · · · · · · · · · · · · · · ·
addition of arc-fault circuit interruption (AFCI) protect	· ·
branch circuit conductors.	on against the hazard conditions for the existing
oranen eneunt conductors.	
5. This Proposal is not original material.	own) is as follows: