

## PROPOSED CHANGE

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## MODIFICATION PROPOSÉE

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### Comment

### Commentaires

Document	NBC 2005	Document
Provision	A-3.2.5.13.(6)	Exigence
Committee	Fire Protection	Comité
Minutes	6.2.1. WG-Referenced Standards; 4.6.11. and 7.6.10.12. Standing Committee on FP Procès-verbaux	

### EXISTING PROVISION

**A-3.2.5.13.(6) Sprinklering of Roof Assemblies.** Sprinkler protection for roof assemblies in lieu of fire resistance is based on the assumption that the sprinklers will protect the roof assembly from the effects of fire in spaces below the roof. If a ceiling membrane is installed, the sprinklers would have to be located below the membrane in order to react quickly to the fire. In certain instances, however, sprinklers may be required within the concealed spaces as well as below the membrane. NFPA 13, "Installation of Sprinkler Systems," requires sprinklers in certain concealed spaces.

According to NFPA 13 and 13R, rooms and closets in the storey immediately below the roof assembly do not require sprinklers. However, the NBC requires sprinkler protection within all rooms and closets immediately below the roof so as to control any fire that might start in that space and thereby limit the probability of the fire spreading into the roof assembly.

Moreover, NFPA 13D, "Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes," also allows the omission of sprinklers in such rooms and closets under certain circumstances, provided the building is sprinklered in conformance with this standard. In this case, the NBC concurs with the provisions of the NFPA 13D standard.

### PROPOSED CHANGE

Replace Appendix Note A-3.2.5.13.(6) as follows:

**Other Code Provisions Affected: None**

### **A-3.2.5.13.(6) Sprinklering of Roof Assemblies. ( . . . )**

According to NFPA 13 and 13R, some small rooms and closets within a dwelling unit in a sprinklered building, including those that may be in the storey immediately below the roof assembly, do not require sprinklers. However, the NBC requires sprinkler protection within all rooms and closets immediately below the roof so as to control any fire that might start in that space and thereby limit the probability of the fire spreading into the roof assembly.

( . . . )

### RATIONALE

#### Problem

The current wording of the first sentence in the second paragraph could be misleading. It implies that because the small rooms are located below a roof, they are exempted from being sprinklered and that all such "rooms and closets" are exempted, which is not the case for either implication. Some small rooms are not exempt regardless of where they are located in the building. Also, it is only small rooms or closets within dwelling units that are exempt.

#### Justification - Explanation

Editorial. Clarification.

#### Cost implications

None.

#### Enforcement implications

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None.

**Who is affected**

Architects, builders, owners, regulators.

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**OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION**

**Provision: A-3.2.5.13.(6)**

**Analysis: N/A**

**Attributions**

**Objective**

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