

## PROPOSED CHANGE

NBC05-09.10.01.02.-insert-UE HSB-ballot\_ed.doc

## MODIFICATION PROPOSÉE

Page: 1 of / de 2

Document	NBC 2005	Document
Provision	9.10.1.2.-Insert 2010	Exigence
Committee	Use and Egress	Comité
Minutes	TG Fire Alarm Technical Differences 3.7.10; , HSB SC 2005-05	Procès-verbaux

### EXISTING PROVISION

None.

### PROPOSED CHANGE

**Insert new** Article 9.10.1.2. as follows:

**Other Code Provisions Affected: None**

#### **9.10.1.2. Commissioning of Life Safety and Fire Protection Systems**

**1) Where life safety and fire protection systems are installed to comply with the provisions of this Code or the NFC, the commissioning of these integrated systems must be performed as a whole to ensure the proper operation and inter-relationship of the systems. (See A-3.2.4.6.(1)-2010 in Appendix A.)**

### RATIONALE

#### **Problem**

Although the Code requires individual fire protection and life safety components to be commissioned to ensure proper operation there is no specific requirements that require integrated systems to be tested as a whole. This includes systems such as fire alarms connected to, sprinklers, smoke control, ventilations, pressurization, door hold open devices, elevator recalls, fire shutters etc.

Note: See New Appendix Note [A-3.2.4.6.\(1\)-2010](#)

#### **Justification - Explanation**

The proposal will ensure that life safety and fire protection systems, which are integrated have been commissioned to operate as intended. All too often one trade will commission a component of the life safety system or fire protection system (e.g. door hold open device) but where there is reliance on the operation of another system (fire alarm) to ensure the function of this door, there is no requirement that the two systems must be tested as a whole.

#### **Cost implications**

There will be cost associated with this change, however the intent of the Code to ensure that life safety systems are operating as intended, and this can only be performed when the integrated systems are tested as a whole. Only those not currently performing this function will realize cost increase. The increase will be dependent on the number of systems integrated within the building. Generally this will involve multiple trades and coordination of system tests.

#### **Enforcement implications**

The coordination of a system test will have to be carried out once all systems have been installed.

#### **Who is affected**

Designers, building owners, AHJ

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

**Provision:** 9.10.1.2.(1)-2010

**Analysis:**

#### **Attributions**

[\[F02,F81,F82-OS1.2,OS1.5\]](#)

#### **Objective**

[OS1 Fire Safety](#)

**PROPOSED CHANGE**

**MODIFICATION PROPOSÉE**

NBC05-09.10.01.02.-insert-UE HSB-ballot\_ed.doc

Page: 2 of / de 2

---

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

---

**Provision:** 9.10.1.2.(1)

**Analysis:**

**Attributions**

[\[F02,F81,F82 - OP1.2\]](#)

**Objective**

[OP1 Fire Protection of the Building](#)

[Comment](#)

[Commentaires](#)