

## Integrated System Testing Requirements

### Background:

Where fire protection and life safety systems, and systems with fire protection and life safety functions are integrated with each other, the systems shall be tested as a whole in accordance with CAN/ULC-S1001, “Integrated Systems Testing of Fire Protection and Life Safety Systems”, to verify that the systems have been properly integrated, as required by Articles 3.2.9.1. and 9.10.18.10. of the Ontario Building Code.

The CAN/ULC-S1001 Standard for Integrated Systems Testing of Fire Protection and Life Safety Systems form is related to commissioning of fire protection and life safety systems. It applies to any combination of two or more fire protection and life safety systems, which may or may not be physically connected with one another but are designed to operate together to achieve an overall fire protection and life safety objective.

Building Services requires the following information to be provided with full permit applications (*these requirements may not apply to shell permits*):

### Requirements to obtain an issued permit:

1. A completed **CAN/ULC-S1001-11 Integrated Fire & Life Safety Systems Coordinator Verification form** providing the name of the Integrated Systems Testing Coordinator. Please note:
  - The Integrated Testing Coordinator is the person, firm, corporation, or organization responsible for the development and implementation of the integrated testing plan.
  - The City of Barrie requires that all Integrated Testing Coordinators have a valid certificate for having completed the ULC-S1001 Integrated Testing Coordinator Qualification Application and Exam and work for a ULC listed S1001 service provider.

- Companies that perform verification of the fire alarm systems in accordance with CAN/ULC-S537 are not allowed to conduct integrated systems testing on the same building / premises in accordance with CAN/ULC-S1001 under this ULC listing program.

## **2. Draft Integrated Testing Plan:**

- A written project-specific document, prepared by the Integrated Testing Coordinator, outlining the required tests and necessary functional results to conduct integrated fire protection and life safety systems testing.

## **Requirements for occupancy or to close a permit:**

### **3. Integrated Testing Report**

- A project specific document prepared by the integrated testing coordinator, documenting the implementation of the project specific integrated testing plan.
- The Integrated Testing Report must include a final statement indicating that the fire integrated protection and life safety systems have been installed and tested as per the current OBC referenced version of the CAN/ULC-S1001 standard.

***Please complete the Integrated Fire Protection and Life Safety System Testing form to determine if an integrated systems testing plan and report applies to your project.***



## CAN/ULC-S1001-11 Integrated Fire & Life Safety Systems Coordinator Verification

This verification form must be accompanied with the **Draft Integrated Testing Plan**. The Integrated Testing Coordinator as required by CAN/ULC-S1001-11 shall be a person and Company Certified through ULC. Permit applications will be considered incomplete if the application is not accompanied by the following information:

Project Information					
Building Address (Number & Street name)			Permit Application No:		Date:
Owner Information					
Name of Owner:		Address:		Email:	
				Phone:	
Integrated Testing Coordinator					
Name of Company:		Address:		Email:	
				Phone:	
Coordinator Name:		UL Certification No.:		Coordinator Signature:	
Fire and Life Safety Systems to be Integrated					
Please check (☑) Systems to be integrated as per OBC Div. B 3.2.9.1. or 9.10.18.10.:					
Fire Alarm		Sprinkler		Fixed Fire Suppression	
Mass Notification		Standpipe		Electromagnetic Locking Devices	
Smoke Control Pressurization		Fire Pumps		Emergency Generator	
Smoke Control Exhaust		Water Supplies		Emergency Elevators	
Audio/Visual and/or Lighting Control		Notification		Water Supply Control Valve	
Cooking Equipment Fire Suppression		Freeze Protection		Hazardous Protection	
Smoke Alarms		Dust Collection		Spark Arrest	
Fire Shutters		Fire Dampers		Emergency Power	
Door hold open Devices		Other:		Other:	
Integrated Testing Coordinator Declaration					
I _____ declare that: (Print name)					
<ol style="list-style-type: none"><li>1. The submitted Integrate Testing Plan is in compliance with OBC Div. B 3.2.9.1, or 9.10.18.10 and CAN/ULC-S1001-11</li><li>2. The implementation of the Integrated Testing Plan, including all testing will be as per CAN/ULC-S1001-11</li><li>3. The engineer of record for all Fire and Life Safety Systems have been consulted as per the standard and approve the Integrated Testing Plan</li><li>4. I confirm that City of Barrie Building Services will be contacted immediately in writing if I become disengaged from the project listed.</li></ol>					
_____ Date			_____ Signature of Integrated Testing Coordinator		