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**BULLETIN 2003-004-BU**

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## **DEMONSTRATION OF COORDINATED FIRE & LIFE SAFETY SYSTEMS**

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This bulletin is issued to professional designers regarding their responsibility in the coordination of design, testing, and functional operation of fire and life safety systems in complex buildings as outlined in Appendix “A” of Book 1, Division C, Article A-2.2.7.3. of the Vancouver Building By-law. Two areas are of special importance to the authority having jurisdiction (AHJ): the creation of a system test protocol and demonstration/witnessing protocol during the design phase, and the need for a minimum of three test demonstrations of fire and life safety systems (contractor, consultant, and AHJ) at the completion stage for each project.

The co-ordinating registered professional (CRP) is responsible for:

1. The development of a “project-specific test protocol and demonstration procedure in consultation with the registered professionals (RP’s)” during the design phase.
2. The distribution of the test protocol and functional test procedures prior to the fire and life safety demonstration stage.
3. Organizing the “Coordinated Final Consultant Review” of the functional test of the coordinated fire and life safety systems at least one week prior to the AHJ final review.
4. Organizing and conducting the “Coordinated AHJ Final Review” demonstration/witness of the coordinated fire and life safety systems only after all deficiencies have been corrected and all life safety systems are fully ready.

It is required that the AHJ demonstration/witness procedure be arranged to make the most efficient use of City staff resources. This is done by being ready and by having the test procedures that involve all disciplines scheduled to be conducted first, while those that only involve one or two disciplines be scheduled for last. Also, the construction site must be ready for the disruption of the demonstration/testing (basically shut down).

(Original signed by)

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K. Lau, P.Eng., CP  
BUILDING POLICY ENGINEER  
BUILDING POLICY BRANCH

(Original signed by)

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P. Ryan, M.Sc., P.Eng.  
CHIEF BUILDING OFFICIAL  
DIRECTOR, BUILDING CODE & POLICY