

**INTERNATIONAL CODE COUNCIL (ICC)
Code Technology Committee (CTC)**

**INTERIM REPORT NO. 2 OF THE CTC
AREA OF STUDY – REVIEW OF NIST WTC RECOMMENDATIONS**

**October 19, 2006
Hilton Kansas City Airport**

The CTC held public hearings on September 6, 2006 and October 19, 2006 to receive written and verbal comments regarding CTC recommendations for the ICC Board - approved area of study entitled Review of NIST WTC Recommendations. This report includes interim recommendations No. 2 for this area of study, approved by the CTC upon conclusion of the public hearing on October 19, 2006. It should be noted that as an interim report this does not complete this area of study. Other aspects of this area of study are still under investigation. The recommendations contained in this report will be forwarded to the ICC Chief Executive Officer in accordance with ICC Council Policy No. 5.

Scope: As noted in the CTC approved Scope & Objectives Statement, the scope of this activity is:

Review the recommendations issued by NIST in its report entitled “Final Report on the Collapse of the World Trade Center Towers”, issued September 2005, for applicability to the building environment as regulated by the I-Codes.

Recommendation: At the public hearings, the CTC reviewed the following code changes submitted by the Ad Hoc Committee on Terrorism Resistant Buildings and determined the CTC positions noted:

- Code Change S5-06/07 (NIST Recommendation #1 Disproportionate collapse)
CTC action: The CTC is not in favor of this proposal as this proposal does not have the support of the structural engineering community. The CTC notes that the issue should be addressed in the building code but the CTC prefers the language found in Section 1.4 of ASCE 7 and will submit a modification to S5-06/07 at the 2006 Code Development Hearings. *(Public hearing September 6th)*
- Code Change FS100-06/07 (NIST Recommendation #6 Application of sprayed fire resistant materials)
CTC action: The CTC did not take a position on this code change. The concerns noted include the enforceability of the proposed language and lack of criteria for beam flange widths in excess of 12 inches. *(Public hearing September 6th)*
- Code Change E137-06/07 (NIST Recommendations #17 and #18 Exit continuity)
CTC Action: The CTC opposes this proposal as it lacks technical justification and the restriction is impractical for buildings with set-backs. *(Public hearing September 6th)*

In addition, this interim recommendation includes the following to be submitted as a public comment to E2-06/07 regarding NIST Recommendation #16 - Evacuation plans for the International Building Code. The public comment will include the following as replacement text for the code change. In making this recommendation the CTC notes that emergency planning is not a construction issue but it is clearly an issue that the designer needs to be aware of as it will be applicable the day the building is occupied. (*Public hearing October 19th*)

1001.4 Fire safety and evacuation plans: Fire safety and evacuation plans shall be provided for all occupancies and buildings where required by the International Fire Code. Such fire safety and evacuation plans shall comply with the applicable provisions of the International Fire Code.