ENDNOTES

Introduction


8. FEMA 426, p. i.


13. NIST NCSTAR 1, pp. 201-222.

14. NIST NCSTAR 1A, pp. 68-69.

15. NIST NCSTAR 1; NIST NCSTAR 1A.


18. WBDG Safe Committee, “Provide Security for Building Occupants and Assets.”

20. New York City Construction Code, Building Code (effective July 1, 2008); New York City Fire Code (effective July 1, 2008).


22. New York City Construction Code, §BC-1625 (effective July 1, 2008).


Chapter One: The Threat to Buildings from Explosive Devices


3. FEMA 430, Ch. 1, p. 17.


5. FEMA 430, Ch. 1, p. 21.


9. Primary structural elements are defined as those structural elements that provide the majority of the building’s capacity for carrying loads.

10. FEMA 426, Ch. 4, p. 6.

11. FEMA 426, Ch. 3, p. 10.


**Chapter Two: The NYPD Risk-Tiering System**


2. For example, a general threat to subway systems worldwide emerged after the 2004 Madrid bombings.

3. FEMA 430, Ch. 2, p. 9.
4. NIST NCSTAR 1A, pp. 18-21, 47-48.

5. The NYPD Counterterrorism Bureau can assist in determining risk levels for neighboring buildings.

6. All values are expressed in 2009 dollars.

Chapter Three: Guidelines on Perimeter Security

1. See Zoning Resolution of the City of New York, §35-24 (effective July 2008), §35-63 (effective July 2001), and §81-83 (effective April 1983).

2. FEMA 430, Ch. 5, pp. 6-7.


4. FEMA 430, Ch. 5, pp. 6-7.

5. FEMA 430, Ch. 4, p. 10.


7. Rules of the City of New York, Title 34, §7-06(c)(3).

8. Rules of the City of New York, Title 34, §7-04(a)(20)(i).


10. FEMA 426, Ch. 2, pp. 16-19.

11. FEMA 426, Ch. 2, p. 11.

Chapter Four: Guidelines on Building Design

1. FEMA 426, Ch. 2, pp. 7-8, 13.
2. The NYPD Counterterrorism Bureau can assist in determining risk levels for neighboring buildings.

3. Secondary structural elements are defined as those structural elements that support the building’s architectural elements and provide supplemental support for the building’s primary structural elements.


7. FEMA 426, Ch. 3, p. 17.

8. FEMA 426, Ch. 3, p. 17.


10. FEMA 426, Ch. 3, p. 21.

11. See *Zoning Resolution of the City of New York*, §81-142 (effective May 1982), §81-42 (effective October 2007), §81-731 (effective October 2007), and §91-412 (effective August 1998).


13. FEMA 426, Ch. 3, p. 25.


17. FEMA 426, Ch. 3, pp. 10-11.


20. FEMA 426, Ch. 3, pp. 10-11.

21. FEMA 426, Ch. 3, p. 11.


24. NIST NISTIR 7396, p. 43

25. NIST NISTIR 7396, p. 43


Chapter Five: Guidelines on Access Control, Screening & Monitoring


4. For more information on detection technologies, see: http://www.tsa.gov/approach/tech/index.shtm.

5. FEMA 430, Ch. 5, p. 6.

6. FEMA 426, Ch. 3, pp. 48-50.

7. FEMA 426, Ch. 3, p. 47.

8. FEMA 426, Ch. 2, p. 45.


10. FEMA 430, Ch. 5, p. 12.


**Chapter Six: Guidelines on Emergency Preparedness**

1. Ulkumen Rodoplu, Jeffrey Arnol, and Gurkan Ersoy, “Special Report:
Terrorism in Turkey,” *Prehospital and Disaster Medicine* 18, no. 2, April-June 2003, p. 156.


3. NIST NCSTAR 1, pp. 23-24, 42, 45-46.

4. NIST NCSTAR 1A, pp. 19-20, 44, 48.

5. NIST NCSTAR 1A, p. 47.

6. NIST NCSTAR 1, pp. 201-222.


9. NIST NCSTAR 1, p. 208.

10. NIST NCSTAR 1, pp. 198, 211.

11. NIST NCSTAR 1, p. 211.

12. NIST NCSTAR 1, pp. 119, 131-141.

13. NIST NCSTAR 1, p. 69.

14. NIST NCSTAR 1, p. 190

15. NIST NCSTAR 1, p. 177.


18. NIST NCSTAR 1, pp. 216-217.

19. NIST NCSTAR 1, p. 155.
20. NIST NCSTAR 1, pp. 155-156.
22. FEMA 426, Ch. 3, p. 9.
24. NIST NCSTAR 1, p. 217.
25. NIST NCSTAR 1, pp. 170-171.
26. NIST NCSTAR 1, p. 219.

Chapter Seven: Guidelines on Air Handling & Air Monitoring Systems


8. Anne Stenersen, “Al-Qaeda’s Thinking on CBRN: a Case Study,” in


17. FEMA 426, Ch. 3, pp. 35-38.

18. FEMA 426, Ch. 3, p. 35.


22. FEMA 426, Ch. 5, p. 11.

23. FEMA 426, Ch. 5, pp. 8-13.

24. Hitchcock, *et al.*, “Improving Performance of HVAC Systems to Reduce...
Exposure to Aerosolized Infectious Agents in Buildings,” pp. 41-54.

25. FEMA 426, Ch. 5, p. 13.

26. FEMA 426, Ch. 5, p. 13.

27. CDC, Guidance for Protecting Building Environments, pp. 12, 15-16.


29. FEMA 426, Ch. 2, pp. 47-49.

30. CDC, Guidance for Protecting Building Environments, p. 19.

31. FEMA 426, Ch. 5, pp. 26-31.

32. FEMA 426, Ch. 5, pp. 27-29.

33. FEMA 426, Ch. 5, pp. 29-31.

34. CDC, Guidance for Protecting Building Environments, pp. 15-16.

35. When possible, building control panels and systems should be networked to local law enforcement coordination centers. See Chapter Four.


Appendix A: Calculating a Building’s Risk Tier

1. The NYPD Counterterrorism Bureau can assist in determining risk levels for neighboring buildings.