

## APPENDIX A

### REFERENCES

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#### Required Publications

##### Government Publications

##### *Department of the Army*

TM 5-685

Operation, Maintenance and Repair of Auxiliary Generators (cited in paragraph 5-1c)

TM 5-690

Grounding and Bonding for C4ISR Facilities (cited in paragraph 9-1c)

TM 5-692-1

Maintenance of Mechanical and Electrical Equipment at C4ISR Facilities, Recommended Maintenance Practices (cited in paragraphs 4-1c, 5-1c, 6-1c, 7-1c, 9-1c, and 10-1c)

TM 5-692-2

Maintenance of Mechanical and Electrical Equipment at C4ISR Facilities, System Design Features [cited in paragraphs 4-1c, 5-1c, 6-1c, 7-1c, 9-1c, 10-1c, and 10-2(b)(2)]

TM 5-694

Commissioning of Electrical Systems for Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) Facilities, chapter 5 (cited in paragraphs 5-1 and 5-1c)

TM 5-810-4

Compressed Air (cited in paragraph 6-1c)

TM 5-815-3

HVAC Control Systems (cited in paragraph 4-1c)

##### *Department of Commerce*

14<sup>th</sup> Street and Constitution Avenue  
Washington, DC, NW, 20230

NISTIR 4758, NTIS PB92-173012INZ

HVAC Functional Inspection and Testing Guide, March 1992 (cited in paragraph 4-4e)

##### *Department of Energy*

1000 Independence Avenue  
Washington, DC, SW, 20585

Building Commissioning Guide, Version 2.2, USGSA, USDOE (1998) (cited in paragraph 3-1b)

Model Commissioning Plan and Guide Specifications, USDOE, Oregon Office of Energy, Portland Energy Conservation, Inc. (PECI), Portland, Oregon, Version 2.05 (1998) (cited in paragraph 3-1b)

Section 15998

Pre-functional Checklists Mechanical (cited in paragraph 4-4e)

Section 15999

Sample Functional Test Procedures Mechanical (cited in paragraph 4-4e)

Occupational Health and Safety Administration (OSHA) Regulations (Standards 29 CFR)

1910 – Subpart N Material Handling and Storage, 1910.179 Overhead and gantry cranes, and 1910.184 Slings (cited in paragraph 8-1c)

1926 – Subpart H Material Handling, Storage, Use, and Disposal, 1926.251 Rigging equipment for material handling (cited in paragraph 8-1c)

1926 – Subpart N Cranes and Derricks, 1926.550 Cranes, derricks, hoists, personnel hoists, and elevators; 1926.552 Cranes, derricks, hoists, elevators, and conveyors; and 1926.554 Overhead hoists (cited in paragraph 8-1c)

Non-Government Publications

*American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. (ASHRAE):*

1791 Tullie Circle, N.E., Atlanta, Georgia 30329

Web site: <http://www.ashrae.org>

Guideline 1-1996

The HVAC Commissioning Process (1996) (cited in paragraphs 2-3d, 3-1b, and 4-1c)

*American Society of Mechanical Engineers (ASME):*

22 Law Drive, Box 2300, Fairfield, New Jersey 07007-2300

Web site: <http://www.asme.org>

A 17.1

Safety Code for Elevators and Escalators (cited in paragraph 8-1c)

B19.1

Safety Standard for Air Compressor Systems (cited in paragraph 6-1c)

B30

Cranes and Hoists (cited in paragraph 8-1c)

B31.1

Power Piping (cited in paragraph 6-1c)

B31.3

Process Piping (cited in paragraphs 4-1c, 5-1c, and 9-1c)

## Section 8

Boiler and Pressure Vessels (cited in paragraph 6-1c)

## PTC-23

Atmospheric Water Cooling Equipment (cited in paragraph 4-1c)

*Heating/Piping/Air Conditioning Magazine (HPAC):*

April 1998, 1300 E. 9<sup>th</sup> Street, Cleveland, Ohio 44114-1503

Web site: <http://www.hpac.com>

Building Commissioning Benefits and Costs, by Paul, C. Tseng, PE, CEM (cited in paragraph 2-3d)

Management of Industrial Pollutants by Anaerobic Processes by Alan W. Obayashi and Joseph M. Gorgan, Rensselaer Polytechnic Institute, May 1984, Web Site [www.rpi.edu](http://www.rpi.edu) (cited in paragraph 10-1c)

*National Fire Protection Association (NFPA) Codes and Standard:*

One Batterymarch Park, P.O. Box 9101, Quincy, Massachusetts 02269-9101

Web site: <http://www.nfpa.com>

Standard 12, Carbon Dioxide Extinguishing Systems (cited in paragraphs 7-1c and 7-3k)

Standard 13, Installation of Sprinkler Systems (cited in paragraph 7-1c)

Standard 72, National Fire Alarm Code (cited in paragraph 7-1c)

*Sterling Elevator Consultants, LLC*

471 Bushy Hill Road, Simsbury, CT 06070,

Web site: <http://www.sterlingelevatorcons.com/safety2.htm>

Technical Paper, Elevator Safety Presentation (cited in paragraph 8-1c)

**Related Publications**Non-Government Publications*American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. (ASHRAE):*

1791 Tullie Circle, N.E., Atlanta, Georgia 30329

Web site: <http://www.ashrae.org>

Manual for the Design of Smoke Control Systems for Buildings

Standard 15 Safety Code for Mechanical Refrigeration

Standard 30 Method of Testing Liquid Chilling Packages

Standard 62 Ventilation for Acceptable Indoor Air Quality

Standard 90.1 Energy Efficient Design of New Non-Residential Buildings and New High-Rise Residential Buildings

*National Fire Protection Association (NFPA) Codes and Standard*

One Batterymarch Park, P.O. Box 9101, Quincy, Massachusetts 02269-9101

Web site: <http://www.nfpa.com>

Standard 31, Installation of Oil Burning Equipment

Standard 54, National Fuel Gas Code

Standard 70, National Electric Code

Standard 92A Recommended Practice for Smoke Control Systems

**Prescribed Forms**

The following forms are printed in the back of this manual and are also available on the Army Electronic Library (AEL) CD-ROM (EM00001) and the USAPA web site ([www.usapa.army.mil](http://www.usapa.army.mil)).

DA Form 7477-R  
Heating Water System Inspection Checklist  
(Prescribed in paragraph 1-7 and 4-4d)

DA Form 7478-R  
Chilled Water System Inspection Checklist  
(Prescribed in paragraph 1-7 and 4-4d)

DA Form 7479-R  
Ventilation System Inspection Checklist  
(Prescribed in paragraph 1-7 and 4-4d)

DA Form 7480-R  
Diesel Fuel System Inspection Checklist  
(Prescribed in paragraph 1-7 and 5-3c)

DA Form 7481-R  
Lube Oil System Inspection Checklist  
(Prescribed in paragraph 1-7 and 5-3c)

DA Form 7482-R  
Compressed Air System Inspection Checklist  
(Prescribed in paragraph 1-7 and 6-4c)

DA Form 7483-R  
Wet Pipe Sprinkler System and Fire Detection System Inspection Checklist  
(Prescribed in paragraph 1-7 and 7-4a)

DA Form 7484-R  
Lifting and Moving Devices Inspection Checklist  
(Prescribed in paragraph 1-7 and 8-3a)

DA Form 7485-R  
Elevator Inspection Checklist  
(Prescribed in paragraph 1-7 and 8-3a)

DA Form 7486-R  
High Altitude Electromagnetic Pulse (HEMP) Protection of Mechanical Systems Inspection Checklist  
(Prescribed in paragraph 1-7 and 9-3c)

DA Form 7487-R  
Water Supply and Treatment System Inspection Checklist  
(Prescribed in paragraph 1-7 and 10-4d)

DA Form 7488-R  
Sewage Treatment Systems Inspection Checklist  
(Prescribed in paragraph 1-7 and 10-4d)