

- C. Report from the Curriculum and Testing Committee with discussion and possible action on amendments to the Certification Curriculum Manual, including but not limited to:**
- a. Basic Aircraft Rescue Fire Suppression Curriculum-addition of International Fire Service Training Association (IFSTA), *Essentials of Fire Fighting and Fire Department Operations (5th Edition) (2008)* to the reference list**
 - b. Fire Inspector Curriculum-addition of “Course Phase Outlines” to Chapter 4**
 - c. Fire Investigator Curriculum-addition of “Course Phase Outlines” to Chapter 5**

REFERENCE LIST FOR THE BASIC AIRCRAFT RESCUE FIRE SUPPRESSION CURRICULUM

Certified Training Facilities approved to teach this curriculum must have the following reference materials:

AC 150/5200-12B, Fire Department Responsibility in Protecting Evidence at the Scene of an Aircraft Accident, September 3, 1999: www.airweb.faa.gov

AC 150/5200-31A, Federal Aviation Administration Airport Emergency Plan, September 30, 1999: www.airweb.faa.gov

AC 150/5210-6D, Aircraft Fire Extinguishing Agents, July 8, 2004: www.airweb.faa.gov

AC 150/5210-14 B, Aircraft Rescue Fire Fighting Equipment, Tools and Clothing, September 30, 2008: www.airweb.faa.gov

AC 150/5210-17A, Programs for Training of Aircraft Rescue and Firefighting Personnel, April 28, 2006: www.airweb.faa.gov

Aircraft Rescue and Fire Fighting. (5th edition) (2009). Stillwater, OK: Fire Protection Publications. International Fire Service Training Association (IFSTA)

Code of Federal Regulations, 14 CFR, Part 139, Subpart A, Certification of Airports: General. (January 1, 2007 edition) U.S. Department of Transportation, Federal Aviation Administration <http://www.gpoaccess.gov/cfr/retrieve.html>

Code of Federal Regulations, 14 CFR, Part 139, Subpart D, Certification of Airports: Operations. (January 1, 2007 edition) U.S. Department of Transportation, Federal Aviation Administration <http://www.gpoaccess.gov/cfr/retrieve.html>

Code of Federal Regulations, 14 CFR, Part 139.311 Marking, signs and lighting (January 1, 2007 edition) U.S. Department of Transportation, Federal Aviation Administration <http://www.gpoaccess.gov/cfr/retrieve.html>

Code of Federal Regulations, 14 CFR, Part 139.325 Airport emergency plan: (January 1, 2007 edition) U.S. Department of Transportation, Federal Aviation Administration <http://www.gpoaccess.gov/cfr/retrieve.html>

Code of Federal Regulations, 14 CFR, Part 139.329, Pedestrians and ground vehicles (January 1, 2007 edition). U.S. Department of Transportation, Federal Aviation Administration <http://www.gpoaccess.gov/cfr/retrieve.html>

Code of Federal Regulations, 49 CFR, Part 175.310 Transportation of flammable liquid fuel; aircraft only means of transportation (October 1, 2006 ed.). U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration <http://www.gpoaccess.gov/cfr/retrieve.html>

Code of Federal Regulations, 49 CFR, Part 830.10 Preservation of aircraft wreckage, mail, cargo, and records (October 1, 2006 edition) U.S. Department of Transportation, National Transportation Safety Board <http://www.gpoaccess.gov/cfr/retrieve.html>

Essentials of Fire Fighting and Fire Department Operations. (5th edition)(2008). Stillwater, OK: Fire Protection Publications. International Fire Service Training Association (IFSTA)

National Transportation Safety Board Accident Reports, <http://www.nts.gov>.

NFPA 402: Aircraft Rescue and Fire-Fighting Operations, (2008 edition). Quincy, MA: NFPA Publications. National Fire Protection Association

NFPA 1003: Standard for Airport Fire Fighter Professional Qualifications, (2010 edition). NFPA Publications Quincy, MA: NFPA Publications. National Fire Protection Association

NFPA 1403: Standard on Live Fire Training Evolutions, (2007 edition) NFPA Publications Quincy, MA. National Fire Protection Association

NFPA 1500: Standard on Fire Department Occupational Safety and Health Program, (2007 edition) NFPA Publications Quincy, MA: NFPA Publications. National Fire Protection Association

**CHAPTER FOUR
FIRE INSPECTOR
COURSE PHASE OUTLINE**

| SECTION | SUBJECT | RECOMMENDED HOURS |
|--|--------------------------------|-------------------|
| FIRE INSPECTOR I & II – PHASE I | | |
| 401-4.1 402-5.1 | General | 4 |
| 401-4.2.1, 4.2.2, 4.2.4, 4.2.5, 4.2.6 402-5.2.1, 5.2.3, 5.2.4 | Administration | 3 |
| 401-4.3.1, 4.3.2, 4.3.3, 4.3.4, 4.3.5, 4.3.8, 4.3.14, 4.3.15, 4.3.16 402-5.3.1, 5.3.2, 5.3.3, 5.3.4, 5.3.5, 5.3.10, 5.3.12 | Field Inspection | 27 |
| 402-5.4.1, 5.4.2, 5.4.3, 5.4.5 | Plans Review | 10 |
| | Practical Exercises* | 34 |
| | Total Recommended Hours | 78 |
| FIRE INSPECTOR I & II – PHASE II | | |
| 401-4.1 402-5.1 | General | 4 |
| 401-4.2.1, 4.2.3, 4.2.4 402-5.2.2, 5.2.3, 5.2.5 | Administration | 6 |
| 401-4.3.4, 4.3.6, 4.3.7, 4.3.8, 4.3.9, 4.3.10, 4.3.11, 4.3.12, 4.3.13, 4.3.14, 4.3.15, 402-5.3.3, 5.3.4, 5.3.6, 5.3.7, 5.3.8, 5.3.9, 5.3.10, 5.3.11, 5.3.12, 402-5.4.3, 5.4.4, 5.4.5, 5.4.6 | Field Inspection | 27 |
| | Plans Review | 3 |
| | Practical Exercises* | 34 |
| | Review and Comprehensive Final | 4 |
| | Total Recommended Hours | 78 |
| PLAN EXAMINER – PHASE III | | |
| 470-7.1 | General | 1 |
| 470-7.2 | Administration | 9 |
| 470-7.3 | Plans Review | 30 |
| | Total Recommended Hours | 40 |
| TOTAL HOURS RECOMMENDED | | 196 |

*The recommended hours for skills evaluation is based on 12 students. Actual hours needed will depend on the number of students, the number of examiners, availability of equipment, and the student skill level.

**CHAPTER FIVE
FIRE INVESTIGATOR
COURSE PHASE OUTLINE**

| SECTION | SUBJECT | RECOMMENDED HOURS |
|--|---|--------------------------|
| FIRE INVESTIGATOR I – PHASE I | | |
| 500-4 | Basic Methodology | 2 |
| 500-14 | Planning the Investigation | 2 |
| 500-13 | Sources of Information | 4 |
| 500-11 | Legal Considerations | 6 |
| 500-12 | Safety | 2 |
| 500-5 | Basic Fire Science | 4 |
| 500-6 | Fire Patterns | 6 |
| 500-7 | Building Systems | 4 |
| 500-9 | Building Fuel Gas Systems | 2 |
| 500-17 | Origin Determination | 6 |
| 500-15 | Documentation of the Investigation | 6 |
| 500-16 | Physical Evidence | 4 |
| | Practical Exercises* | 6 |
| | Total Recommended Hours | 54 |
| FIRE INVESTIGATOR II – PHASE II | | |
| 500-18 | Fire Cause Determination | 4 |
| 500-10 | Fire-Related Human Behavior | 2 |
| 500-21 | Explosions | 4 |
| 500-23 | Fire and Explosion Deaths and Injuries | 3 |
| 500-8 | Electricity and Fire | 6 |
| 500-22 | Incendiary Fires | 6 |
| 500-19 | Analyzing the Incident for Cause and Responsibility | 6 |
| 500-20 | Failure Analysis and Analytical Tools | 6 |
| 500-24 | Appliances | 2 |
| 500-25 | Motor Vehicle Fires | 3 |
| 500-28 | Marine Fire Investigations | 2 |
| 500-26 | Wildfire Investigations | 2 |
| 500-27 | Management of Complex Investigations | 2 |
| | Practical Exercises* | 8 |
| | Total Recommended Hours | 56 |
| COMPLETER – PHASE III | | |
| | Investigator I and II Review | 8 |
| | Practical Exercises* | 32 |
| | Total Recommended Hours | 40 |
| TOTAL HOURS RECOMMENDED | | 150 |

*The recommended hours for skills evaluation is based on 12 students. Actual hours needed will depend on the number of students, the number of examiners, availability of equipment, and the student skill level.