Amendment No.: 5109.17-2004-4

Effective Date: April 28, 2004

Duration: This amendment is effective until superseded or removed.

Approved: JOEL D. HOLTROP
Deputy Chief for State and Private Forestry

Date Approved: 04/05/2004

Posting Instructions: Amendments are numbered consecutively by Handbook number and calendar year. Post by document; remove the entire document and replace it with this amendment. Retain this transmittal as the first page(s) of this document. The last amendment to this Handbook was 5109.17-2004-3 to 5109.17_30.

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<td>Superseded Document(s) by Issuance Number and Effective Date</td>
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Digest:

41.2 - Revises the Exclusive Use Helicopter Position competencies in exhibit 01 as follows:

1. Removes S-281 Supervisory Concepts and S-301 Leadership and Organizational Development. These courses have been removed from the National Wildfire Coordinating Group (NWCG) or Forest Service curriculum.

2. Adds “A” courses set out in the Interagency Aviation Training Guide for these positions.

3. Adds experience requirements.

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41 - FIRE AND AVIATION POSITION COMPETENCIES

The Federal Fire and Aviation Leadership Council has developed the Interagency Fire Program Management Qualifications Standards and Guide, which contains minimum qualification standards for fire and aviation management positions. The Forest Service has determined the following competencies are required to reach full performance in each associated position listed in sections 41.1 and 41.2.

41.1 - Hotshot Position Competencies

41.1 - Exhibit 01

<table>
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<th>HOTSHOT SUPERINTENDENT</th>
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<td><strong>PREREQUISITE EXPERIENCE:</strong></td>
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*Desired fitness goals also include completing:
1.5-mile run in a time of 10:35 or less AND
Forty sit-ups in sixty seconds AND
Twenty-five push-ups in sixty seconds AND

*Contained in the National Interagency Hotshot Operations Guide (FSM 5108). These fitness goals are desired in hotshot positions; however, they are not required.
41.1 - Exhibit 01--Continued

HOTSHOT ASSISTANT SUPERINTENDENT/CAPTAIN

TRAINING: None

PREREQUISITE EXPERIENCE: Strike Team Leader (Crew)
                        AND
                        Incident Commander Type 4

PHYSICAL FITNESS: Arduous

*Desired fitness goals also include completing:
  1.5-mile run in a time of 10:35 or less
  AND
  Forty sit-ups in sixty seconds
  AND
  Twenty-five push-ups in sixty seconds
  AND
  Four chin-ups (>170 lbs. body weight)
  Five chin-ups (135-170 lbs. body weight)
  Six chin-ups (110-134 lbs. body weight)
  Seven chin-ups (<110 lbs. body weight)

*Contained in the National Interagency Hotshot Operations Guide (FSM 5108). These fitness goals are desired in hotshot positions; however, they are not required.
41.1 - Exhibit 01--Continued

HOTSHOT SQUAD LEADER

TRAINING: None

PREREQUISITE EXPERIENCE: Single Resource Boss (Crew), Trainee
AND
Incident Commander Type 5

PHYSICAL FITNESS: Arduous

*Desired fitness goals also include completing:
1.5-mile run in a time of 10:35 or less
AND
Forty sit-ups in sixty seconds
AND
Twenty-five push-ups in sixty seconds
AND
Four chin-ups (>170 lbs. body weight)
Five chin-ups (135-170 lbs. body weight)
Six chin-ups (110-134 lbs. body weight)
Seven chin-ups (<110 lbs. body weight)

*Contained in the National Interagency Hotshot Operations Guide (FSM 5108). These fitness goals are desired in hotshot positions; however, they are not required.
HOTSHOT SENIOR FIREFIGHTER

TRAINING: None

PREREQUISITE EXPERIENCE: Advanced Fire Fighter/Squad Boss
AND
Incident Commander Type 5

Desirable skills which may include:
Class C Faller
OR
Emergency 1st Responder
OR
Helicopter Crewmember

PHYSICAL FITNESS: Arduous

*Desired fitness goals also include completing:
1.5-mile run in a time of 10:35 or less
AND
Forty sit-ups in sixty seconds
AND
Twenty-five push-ups in sixty seconds
AND
Four chin-ups (>170 lbs. body weight)
Five chin-ups (135-170 lbs. body weight)
Six chin-ups (110-134 lbs. body weight)
Seven chin-ups (<110 lbs. body weight)

*Contained in the National Interagency Hotshot Operations Guide (FSM 5108). These fitness goals are desired in hotshot positions; however, they are not required.
41.1 - Exhibit 01--Continued

HOTSHOT CREW MEMBER

TRAINING: None

PREREQUISITE EXPERIENCE: Satisfactory position performance as a Firefighter Type 2

PHYSICAL FITNESS: Arduous

*Desired fitness goals also include completing:
1.5-mile run in a time of 10:35 or less AND
Forty sit-ups in sixty seconds AND
Twenty-five push-ups in sixty seconds AND
Four chin-ups (>170 lbs. body weight)
Five chin-ups (135-170 lbs. body weight)
Six chin-ups (110-134 lbs. body weight)
Seven chin-ups (<110 lbs. body weight)

*Contained in the National Interagency Hotshot Operations Guide (FSM 5108). These fitness goals are desired in hotshot positions; however, they are not required.
41.2 - Exclusive Use Fire Helicopter Position Competencies

### 41.2 - Exhibit 01

**EXCLUSIVE-USE FIRE HELICOPTER CREW SUPERVISOR**

**TRAINING:**

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<th>Level 1</th>
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<td>A-112 Mission Planning and Flight Request Process</td>
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<td>A-200 Annual Mishap Review</td>
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<td>A-201 Overview of Safety and Accident Prevention Programs</td>
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<td>I-300 Intermediate Incident Command System</td>
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<td>Geographic Area Aviation Contract Administration Course</td>
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EXCLUSIVE-USE FIRE HELICOPTER CREW SUPERVISOR--CONTINUED

**LEVEL 3**

- S-300 Incident Commander
- Extended Attack
- S-378 Air Tactical Group Supervisor
- S-390 Introduction to Wildland Fire Behavior Calculations
- L-380 Fireline Leadership

**CERTIFICATION:**

Attendance at a Helicopter Manager Workshop every other year

**PREREQUISITE EXPERIENCE:**

One season’s experience as Exclusive-Use Assistant Helicopter Crew Supervisor

**OR**

Call-when-needed Helicopter Manager

**AND**

Helibase Manager 2 (T)

**AND**

Incident Commander, Type 4

**PHYSICAL FITNESS:**

Arduous
41.2 - Exhibit 01--Continued

EXCLUSIVE-USE ASSISTANT FIRE HELICOPTER CREW SUPERVISOR

TRAINING:

**LEVEL 1**
- A-204 Aircraft Capabilities and Limitations
- S-371 Helibase Manager
- *S-372 Interagency Helicopter Manager

**LEVEL 3**
- Regional Aviation Contract Administration
  - I-300 Intermediate Incident Command System
  - L-380 Fireline Leadership
  - Cockpit Resource Management

CERTIFICATION:

Attendance at a Helicopter Manager Workshop every other year
41.2 - Exhibit 01--Continued

**EXCLUSIVE-USE ASSISTANT FIRE HELICOPTER CREW SUPERVISOR--**
**CONTINUED**

**PREREQUISITE EXPERIENCE:**

One season’s experience as Exclusive Use Helicopter Crewmember  
AND
Incident Commander Type 4  
AND
Helicopter Boss, Single Resource  
OR
Helicopter Manager – Call-When-Needed  
AND
Helibase Manager (1 to 3 Helicopters) (T)  
AND
Satisfactory position performance as a Helicopter Manager  
AND
Experience in Aviation Contract Administration

**PHYSICAL FITNESS:**  
Arduous

*S-372 Interagency Helicopter Manager is in the initial states of course development. Anticipated release of the course materials is in 2004.*
**EXCLUSIVE-USE FIRE HELICOPTER SQUAD LEADER**

**TRAINING:**

**LEVEL 1**
- Annual S-271 Refresher (must either complete refresher or serve as instructor)

**LEVEL 3**
- Regional Aviation Contract Administration
- I-200 Basic Incident Command System
- S-200 Initial Attack Incident Commander
- S-215 Fire Operations In The Urban Interface
- S-230 Crew Boss
- S-234 Ignition Operations
- S-260 Interagency Incident Business Management
- S-270 Basic Air Operations
- S-371 Helibase Manager

**PREREQUISITE EXPERIENCE:**
- Advanced Fire Fighter/Squad Boss
- One season experience as an exclusive use fire Helicopter Crewmember
- Incident Commander Type 5
- Desired experience in Contract Administration

**PHYSICAL FITNESS:**
- Arduous
### 41.2 - Exhibit 01--Continued

**EXCLUSIVE-USE FIRE HELICOPTER CREWMEMBER**

**TRAINING:**

<table>
<thead>
<tr>
<th>LEVEL</th>
<th>Course</th>
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</table>
| **Level 1** | S-271 Interagency Helicopter Training  
             | Annual S-271 Refresher        |
| **Level 3** | S-131 Advanced Firefighter  
              | S-133 Look Up, Look Down, Look Around  
              | S-211 Portable Pumps and Water Use  
              | S-212 Wildfire Power Saws |

**PREREQUISITE EXPERIENCE:**

- Firefighter Type 2  
- AND  
- Satisfactory position performance as a Helicopter Crewmember

**PHYSICAL FITNESS:**

- Arduous