



**FOREST SERVICE HANDBOOK
NATIONAL HEADQUARTERS (WO)
WASHINGTON, DC**

**FSH 5109.17 - FIRE AND AVIATION MANAGEMENT
QUALIFICATIONS HANDBOOK**

CHAPTER 40 - FIRE AND AVIATION MANAGEMENT POSITION COMPETENCIES

Amendment No.: 5109.17-2004-4

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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.

New Document	5109.17_40	13 Pages
Superseded Document(s) by Issuance Number and Effective Date	5109.17_40 (Amendment 5109.17-2003-6, 07/09/2003)	11 Pages

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.

4. Adds "L-380" to the Fireline Leadership course title.

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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

HOTSHOT SUPERINTENDENT

<u>TRAINING:</u>	None
<u>PREREQUISITE EXPERIENCE:</u>	Task Force Leader AND Incident Commander Type 4 AND Ignition Specialist Type 2
<u>PHYSICAL FITNESS:</u>	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.

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41.1 - Exhibit 01--Continued

HOTSHOT ASSISTANT SUPERINTENDENT/CAPTAIN

<u>TRAINING:</u>	None
<u>PREREQUISITE EXPERIENCE:</u>	Strike Team Leader (Crew) AND Incident Commander Type 4
<u>PHYSICAL FITNESS:</u>	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.

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41.1 - Exhibit 01--Continued

HOTSHOT SQUAD LEADER

<u>TRAINING:</u>	None
<u>PREREQUISITE EXPERIENCE:</u>	Single Resource Boss (Crew), Trainee AND Incident Commander Type 5
<u>PHYSICAL FITNESS:</u>	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.

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41.1 - Exhibit 01--Continued

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.

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41.1 - Exhibit 01--Continued

HOTSHOT CREWMEMBER

<u>TRAINING:</u>	None
<u>PREREQUISITE EXPERIENCE:</u>	Satisfactory position performance as a Firefighter Type 2
<u>PHYSICAL FITNESS:</u>	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.

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41.2 - Exclusive Use Fire Helicopter Position Competencies

41.2 - Exhibit 01

EXCLUSIVE-USE FIRE HELICOPTER CREW SUPERVISOR

TRAINING:

LEVEL 1 A-112 Mission Planning and Flight Request Process
A-200 Annual Mishap Review
A-201 Overview of Safety and Accident Prevention Programs
A-205 Risk Awareness
A-206 Aviation Acquisition and Procurement
A-300 Aviation Lessons Learned
A-302 Personal Responsibility and Liability
A-310 Overview of Overview of Crew Resource Management
A-313 Aviation Security
I-300 Intermediate Incident Command System
Geographic Area Aviation Contract Administration Course

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41.2 - Exhibit 01--Continued

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

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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

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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.

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41.2 - Exhibit 01--Continued

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
AND
One season experience as an exclusive use fire Helicopter Crewmember
AND
Incident Commander Type 5
AND
Desired experience in Contract Administration

PHYSICAL FITNESS:

Arduous

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41.2 - Exhibit 01--Continued

EXCLUSIVE-USE FIRE HELICOPTER CREWMEMBER

TRAINING:

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
