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31 - APPROVED EQUIVALENCY COURSES

As set out in section 22.3, the Forest Service has identified a process for evaluating a course for National Wildfire Coordinating Group (NWCG) course equivalency. Following evaluation by a Regionally appointed equivalency course Evaluation Team, findings and recommendations are submitted to the NWCG Training Working Team for consideration and approval as equivalency courses.

The NWCG Training Working Team has determined the courses listed in exhibit 01 to be equivalent to the identified NWCG course. Persons who have successfully completed the identified equivalency course do not need to attend the NWCG course.

### 31 - Exhibit 01

<table>
<thead>
<tr>
<th>NWCG Approved Curriculum</th>
<th>Approved Equivalency Course(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facilitative Instructor (M-410)</td>
<td>National Fire Protection Association (NFPA) 1041, Fire Service Instructor I</td>
</tr>
<tr>
<td>Introduction to Fire Effects (RX-310)</td>
<td>Successful Completion of Technical Fire Management</td>
</tr>
<tr>
<td>Fire Suppression Tactics (S-336)</td>
<td>Successful Completion of:</td>
</tr>
<tr>
<td></td>
<td>Single Resource Boss (S-230, 1996 Version or later) AND</td>
</tr>
<tr>
<td></td>
<td>Fire Operations in the Urban Interface (S-215) OR</td>
</tr>
<tr>
<td></td>
<td>Task Force/Strike Team Leader (S-330) AND</td>
</tr>
<tr>
<td></td>
<td>Fire Operations in the Urban Interface (S-215)</td>
</tr>
<tr>
<td>S-580 Advanced Fire Use Applications</td>
<td>Managing Wildland Fire for Resource Benefits (offered in Region 1). Equivalent for Fire Use Manager 2 only.</td>
</tr>
</tbody>
</table>
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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

TRAINING: None

PREREQUISITE EXPERIENCE: Task Force Leader
AND
Incident Commander Type 4
AND
Ignition Specialist 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. 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. These fitness goals are desired in hotshot positions; however, they are not required.
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. 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
- Incident Commander Type 5
- Desirable skills which may include:
  - Class C Faller
  - Emergency 1st Responder
  - Helicopter Crewmember

**PHYSICAL FITNESS:**
Arduous

*Desired fitness goals also include completing:
- 1.5-mile run in a time of 10:35 or less
- Forty sit-ups in sixty seconds
- Twenty-five push-ups in sixty seconds
- 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. These fitness goals are desired in hotspot 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. 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:**

**LEVEL 1**  I-300 Intermediate Incident Command System

**LEVEL 2**  S-301 Leadership and Organizational Development  
OR  Fireline Leadership

**LEVEL 3**  Aviation Conference and Education (ACE)  
S-300 Incident Commander Extended Attack  
S-378 Air Tactical Group Supervisor  
S-390 Introduction to Wildland Fire Behavior Calculations

**CERTIFICATION:**

Attendance at a Helicopter Manager Workshop every other year

**PREREQUISITE EXPERIENCE:**

Exclusive-Use Assistant Helicopter Crew Supervisor  
OR  Call-when-needed Helicopter Manager  
AND  Helibase Manager 2 (T)  
AND  Experience in Aviation Contract Administration  
AND  Satisfactory performance as an exclusive use Helicopter Crewmember

**PHYSICAL FITNESS:**

Arduous
41.2 - Exhibit 01—Continued

EXCLUSIVE-USE ASSISTANT FIRE HELICOPTER CREW SUPERVISOR

TRAINING:

**LEVEL 1**
- S-371 Helibase Manager
- *S-372 Interagency Helicopter Manager

**LEVEL 2**
- S-281 Supervisory Concepts and Techniques
- OR
  - Forest Service Corporate Training Practical Leadership Skills for New First-Line Supervisors

**LEVEL 3**
- Regional Aviation Contract Administration Aviation Conference and Education (ACE)
- I-300 Intermediate Incident Command System
- S-301 Leadership and Organizational Development
- OR
  - Fireline Leadership

CERTIFICATION:
- Attendance at a Helicopter Manager Workshop every other year

PREREQUISITE EXPERIENCE:
- Incident Commander Type 4
- 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 will be in 2003 or 2004.
41.2 - Exhibit 01—Continued

EXCLUSIVE-USE FIRE HELICOPTER SQUAD LEADER

TRAINING:  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  
  Helicopter Crewmember  
  AND  
  Incident Commander Type 5  
  AND  
  Desired experience in Contract Administration

PHYSICAL FITNESS:  Arduous
41.2 - Exhibit 01—Continued

EXCLUSIVE-USE FIRE HELICOPTER CREWMEMBER

TRAINING:

**LEVEL 1**  S-271 Interagency Helicopter Training

**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
S-281 Supervisory Concepts and Techniques

**OR**
Forest Service Corporate Training
Practical Leadership Skills for New First-Line Supervisors

PREREQUISITE EXPERIENCE:

Firefighter Type 2

**AND**
Satisfactory position performance as a Helicopter Crewmember

PHYSICAL FITNESS:

Arduous