

CHAPTER 60 - OVERHEAD/CREWS

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62 CREWS (REFER NMG CH.62)

**62.1 TYPE 1 CREWS - INTERAGENCY HOTSHOT CREWS -
NORTHWEST AREA**

<u>CREW NAME</u>	<u>AVAIL. DATES</u>	<u>NO. PEOPLE</u>	<u>SUPERINTENDENT</u>	<u>DISP OFFICE</u>	<u>DAYS OFF</u>
PRINEVILLE	4/16 - 11/12	20	Lance Honda	COC	SUN/MON
REDMOND	6/10 - 9/15	20	Mike Muehlbauer	COC	SUN/MON
LAGRANDE	6/01 - 10/13	20	Willie Crippen	NOC	FRI/SAT
UNION	6/01 - 10/13	20	Jody Prummee	NOC	FRI/SAT
BAKER RIVER	5/16 - 10/11	20	Kurt Ranta	PSC	FRI/SAT
ENTIAT	5/15 - 10/31	20	Jeff Dimke	CWC	FRI/SAT
ZIGZAG	5/27 - 10/1	20	Diego Mendiola	MHF	FRI/SAT
WINEMA FRI/SAT	5/2 - 10/9	20	Ne	il Austin	KFC
WARM SPRINGS	5/15 - 10/30	20	Tony Holliday	WSA	SAT/SUN
WOLF CREEK	6/15 - 10/15	20	Adam Veale	UPF	SAT/SUN
VALE	5/26 - 10/30	20	Bart Yeager	VAD	SUN/MON
ROGUE RIVER	4/16 - 10/13	20	Randy Lehman	MIC	FRI/SAT

62.2 NORTHWEST “REGULARS” (TYPE II) CREW NUMBERS AND LOCATIONS

In accordance with National direction, it is the responsibility of the Area to field reinforcement crews.

Qualified Supervisors, Equipment, and Meals should be furnished (as appropriate) when crews are dispatched.

CREW NUMBERS BY LOCATION (NORTHWEST AREA)

<u>DISPATCH OFFICE</u>	<u>NO. TYPE II CREWS</u>
COA	2
SPA	1
YAA	2
VAD	15
COC	1
COF	1
CWC	6
EIC	3
KFC	1
LFC	1
MIC	1
MAF/BFZ	1
MHF	1
PSC	4
PIC	2
SUF	1
UPF	2
NOC	1
NES	1
SES	1

62.2.1 **CAMP CREWS**

<u>CREW NAME</u>	<u>NO. CREWS</u>	<u>DISP OFFICE</u>
Angell Camp Crew	1	SUF
Curlew Camp Crews	2	COF
Timber Lake Camp Crew	2	MHF
Wolf Creek Camp Crew	1	UPF
Warm Springs Camp Crews	5	WSA
Yakama Camp Crews	3	YAA
Quinault Camp Crew	1	PSC
Snake River Valley	1	VAD

62.2.2 **INMATE CREWS**

<u>CAMP</u>	<u>NO. 10-PERSON</u>	<u>LOCATION</u>	<u>DISP OFFICE</u>
South Fork	12	Forest Grove, OR	53S/ORS
Shutter Creek	6	North Bend, OR	72S
Snake River	4	Ontario, OR	NOC
Warner Creek	4	Lakeview, OR	98S
Larch	10	Battleground, WA	PCS
Cedar Creek	14	Littlelock, WA	PCS
Olympic	7	Forks, WA	PCS
Airway Heights	5	Airway Heights, WA	NES
Mission Creek	3	Gig Harbor, WA	SPS
Monroe	4	Monroe, WA	NWS

62.5 LEAD PLANE AND SMOKEJUMPER PILOTS

62.5.1 NORTHWEST AREA LEAD PLANE AND SMOKEJUMPER PILOTS

Northwest Area lead planes are based at Redmond, Oregon and at Wenatchee, Washington.

LEAD PLANE PILOT Call Signs and Home Bases are as follows:

<u>PILOT</u>	<u>CALL SIGN</u>	<u>HOME BASE</u>
Ron Barrett	6-1	Redmond
Ron Vail	6-4	Redmond
Greg House	6-5	Redmond
Don Bell	6-0	Redmond
Jamie Tackman	6-9	Wenatchee
Hazel Hammond		Redmond
Mike Dark		Redmond
Eric Shilling	6-8T	Wenatchee

SMOKEJUMPER PILOTS (Refer to NMG 62.4)

62.6 RAPPELLERS AND CALL-WHEN-NEEDED HELICOPTER MODULES

NOTE: Refer to NMG 62.6 for Rappeller and Helicopter Manager Gear Weights and Volume and Region Six Rappeller Utilization Handbook

62.6.1 NORTHWEST AREA RAPPELLERS

<u>UNIT</u>	<u>LOCATION</u>	<u>NUMBER</u>
COC	PRINEVILLE	16
CWC	WENATCHEE	29
GPC	MERLIN	16
MAF	JOHN DAY	20
NOC	SLED SPRINGS	18
PIC	FRAZIER	16

63 INCIDENT MANAGEMENT TEAMS**63.1.2 NUMBERS/NATIONAL TEAM ROTATION SEQUENCE**

The National Incident Management Team rotation is maintained by the NICC throughout the calendar year. The current rotation schedule and assignments are distributed electronically to the Geographic Area Coordination Centers. The NWCC will forward the schedule to all Northwest Area Dispatch Units.

63.1.3 2008*DUTY SCHEDULE OF NORTHWEST NATIONAL TEAMS

01/01 - 01/14	Team 2
01/15 - 01/28	Team 3
01/29 - 02/11	Team 2
02/12 - 02/25	Team 3
02/26 - 03/10	Team 2
03/11 - 03/24	Team 3
03/25 - 04/07	Team 2
04/08 - 04/21	Team 3
04/22 - 05/05	Team 2
05/06 - 05/19	Team 3
05/20 - 06/02	Team 2
06/03 - 06/16	Team 3
06/17 - 06/30	Team 2
07/01 - 07/14	Team 3
07/15 - 07/28	Team 2
07/29 - 08/11	Team 3
08/12 - 08/25	Team 2
08/26 - 09/08	Team 3
09/09 - 09/22	Team 2
09/23 - 10/06	Team 3
10/07 - 10/20	Team 2
10/21 - 11/03	Team 3
11/04 - 11/17	Team 2
11/18 - 12/01	Team 3
12/02 - 12/15	Team 2
12/16 - 12/29	Team 3

- Teams rotate up at 2400 hours on Monday biweekly.
-
- Team 2 - Chris Hoff COC Host Dispatch Office
-
- Team 3 - Jerf Pendleton MAF Host Dispatch Office
-
- For Team Rosters contact Host Dispatch Office

NORTHWEST MOBILIZATION GUIDE

63.1.4 2008 *DUTY SCHEDULE OF NORTHWEST AREA TEAMS

<u>DATE</u>	<u>WA TEAMS</u>	<u>OR TEAMS</u>
04/29	Team	ORCA
05/06	Team	Northwest
05/13	Team	Central
05/20	Team	Blue Mtn.
05/27	Team	ORCA
06/03	Team	Northwest
06/10	Team	Central
06/17	Team	Blue Mtn
06/24	Team	ORCA
07/01	Team	Northwest
07/08	Team	Central
07/15	Team	Blue Mtn
07/22	Team	ORCA
07/29	Team	Northwest
08/05	Team	Central
08/12	Team	Blue Mtn
08/19	Team	ORCA
08/26	Team	Northwest
09/02	Team	Central
09/09	Team	Blue Mtn
09/16	Team	ORCA
09/23	Team	Northwest
09/30	Team	Central
10/07	Team	Blue Mtn
10/14	Team	ORCA
10/21	Team	Northwest
10/28	Team	Central
11/04	Team	Blue Mtn
11/11	Team	ORCA
11/18	Team	Northwest
11/25	Team	Central
12/02	Team	Blue Mtn
12/09	Team	ORCA
12/16	Team	Northwest
12/23	Team	Central

HOURLY SCHEDULED for change of **"UP TEAM"** is **0800 HRS.** on **TUESDAY** weekly.

NOTE: **Schedule for Washington Interagency IMT's is maintained by the Washington DNR Olympia Coordination Center.*

63.1.5 2008 *DUTY SCHEDULE OF NORTHWEST AREA TEAMS (CONTINUED)

	<u>Host Unit</u>	<u>Incident Commander</u>
Team 1	WAS	Gary Jennings (OWF) / Bob Johnson (PCS)
Team 2	WAS	Rex Reed (SES) / Chris Schulte (UMF)
Team 3	WAS	Gary Berndt(SES) / Dave LaFave (CZLN)
Team 4	WAS	Mike Barnett (KENN) / Marsh Haskins (OWF)
Team 5	WAS	Dick Gormley (WFS)/ Keith Satterfield (OWF)
Blue Mtn	NOC	Rob Batten (MAF) /
Central	COC	Mark Rapp (COFMS)
Northwest	EIC	Carl West (SAD)
ORCA	KFC	Ken Paul (WNF) / Brett Fillis (APPN)

Washington Incident Management TeamsNOTE the following:

1. "Rule of Thumb": When a Team is dispatched, the team that becomes the "Up Team" will be the team scheduled to be the "Up Team" the next team up finishes that week & their week i.e., Team 2 is dispatched on June 8, Team 4 (scheduled to begin duty June 20) becomes the "Up Team" for remainder of the week.

2. In the event a decision is made to place two teams in 'Up Team' status, the second team will be the team scheduled to become the "Up Team" two Tuesdays ahead. Example: On August 22, Team 4 is "Up Team", it is decided to put a second team up". Team 6 (scheduled to begin Duty September 5) also becomes an "Up Team" effective August 22.

3. Refer to NWCC 22.9.B for general operating procedures.

63.1.6 INCIDENT MANAGEMENT TEAM CONFIGURATION

The Northwest Area will use the Standard Configuration for Long Teams (National and Area Teams) as it appears in the NMG 63.1.1 for requests WITHIN and OUTSIDE the Northwest Area.

USE OF NON-STANDARD POSITIONS

Northwest National Teams **MAY MOBILIZE** “Non-Standard Positions” within the Northwest Dispatch or Out – of - State Area Dispatch.

Northwest Area Teams **WILL NEGOTIATE** mobilization of “Non-Standard Positions” outside the Northwest Area.

63.3 **NORTHWEST INTERAGENCY FIE USE
MANAGEMENT TEAM (FUMAT)**

INCIDENT COMMANDER: Matt Reidy - OR-WWF
HOST UNIT: OR-NOC

64 INCIDENT SUPPORT TEAMS

64.1 BUYING TEAMS (Refer to NMG 64.1)

64.1.2 DUTY SCHEDULE OF NORTHWEST BUYING TEAMS

The Northwest Buying Team rotation is maintained by USFS R-6 Procurement and Property Management (PPM) throughout the calendar year.

JANET PAUL (SUF) CONTACT THROUGH SUF

65 INCIDENT MEDICAL SPECIALIST TEAMS

Each 500-person First Aid Station (NFES #1835) must be dispatched with an IMS Team. Refer to NWCC 22.12 for dispatch directions.

DUTY SCHEDULE OF NORTHWEST AREA INCIDENT MEDICAL SPECIALIST				
Type 2 Team	Host Unit	Incident Commander	IMS Manager	Dispatch Unit
Team 1	WAS	Gary Jennings		
Team 2	WAS	Rex Reed		
Team 3	WAS	Gary Berndt		
Team 4	WAS	Mike Barnett		
Team 5	WAS	Dick Gormly		
Blue Mtn	NOC	Rob Batten	Linda Lang	NOC
Central	COC	Mark Rapp	Greg Morgan	ROD
Northwest	EIC	Carl West	Layne Lange	MIC
ORCA	KFC	Ken Paul	Deborah Reth	NOC
Type 1 National				
Team 2	COC	Chris Hoff	Dale Pospisil	ROD
Team 3	MAF	Jeff Pendleton	Steve Otoupalik	EIC

IMS teams will not be automatically mobilized with the five Type 2 Washington Interagency Incident Management Teams (WIIMT). If an IMS Team is needed by a WIIMT and can operate under the fact-specific circumstances of an incident, an order will be placed to NWCC by the unit with the incident.

No IMT taking an assignment in Washington State that involves non-federal jurisdiction will automatically mobilize with an IMS team, even if an IMS team is shown in the "Duty Table" as associated with an IMT. Otherwise, the assigned IMS team will rotate and be dispatched on the same schedule as their assigned IMT. There are six, IMT Teams in addition to those listed above. If needed, NWCC will contact the IMS coordinator for this team, then place the orders following normal dispatch procedures. Refer to NWCC 68.1.2 for duty schedule.

HOURLY SCHEDULE for change of **Duty Team IMS Manager** is **2300 HRS.** on **TUESDAY** weekly.

NORTHWEST MOBILIZATION GUIDE

65.1 DUTY SCHEDULE FOR IMS TEAMS

Each 500 person first aid station (NFES #1835) must be dispatched with an Incident Medical Specialist (IMS) team.

<u>MANAGERS</u>	<u>DUTY DATES (start at 2300 hours)</u>
Ron Campbell (UPF)	05/29-06/11
Geri Chumley (MSF)	06/12-06/25
	06/26-07/09
	07/10-07/23
	07/24-08/05
	08/06-08/19
	08/20-09/03
	09/04-09/17
	09/18-10/01
	10/02-10/15
	10/16-10/29

NOTE: Should IMS Teams become difficult to fill, NWCC will Contact IMS Program Dispatch Coordinator, Refer to NWCC 22.12

When an Incident Management Team is dispatched to an Incident the Medical Unit Leader upon arrival will determine the need for an IMS Team and will place the order through the established dispatch center for the incident.

CHAPTER 70 - EQUIPMENT

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75 AGENCY ENGINES**75.1 FEDERAL ENGINES**

UNIT	TYPE 3	TYPE 3 4X4	TYPE 4	TYPE 4 4X4	TYPE 5	TYPE 6	TYPE 6 4X4
BIC				10	1		9
CBD	2						1
COA			2			9	
COF		2					6
COC	3	1		2		1	23
CWC	7				10		6
EIC	9			1		2	4
GPC			1		0	0	4
GPF			1				3
KFC	3	0	1			6	
LFC		6		7	2		18
MIC	3				6	1	
MHF	4	1				4	1
MOC				2			10
NOC	2		5		1	5	7
PIC		1		1			11
PSC	4		1		5	3	4
ROD	1			1			2
SAD	2 CAFS					1	
SPA			1				3
SPD						2	
SUF			2				3
UPF			7			1	2
VAD			11			8	
WSA				3			6
YAA				2			2
TOTAL	35	12	29	30	25	50	133

75.2 STATE ENGINES

UNIT	TYPE 3	TYPE 3 4X4	TYPE 4	TYPE 4 4X4	TYPE 5	TYPE 6	TYPE 6 4X4
ORS							23
NOA	4		2		6		
EOA	1		5		14		61
SOA	1	1	14		5	34	24
WAS							
NES					4	25	
NWS					8	5	
OLS					7	3	
PCS					21	8	
SES					12	0	12
SPS					5	8	
TOTAL	5	1	21	0	80	95	108

77 - FORWARD LOOKING INFRARED SYSTEM (FLIRS)**77.1 INFRARED SCANNING DEVICES**

Infrared scanning devices are available at various units throughout the area. The devices may be ordered via adjoining units or through the NWCC on an Equipment Resource Order. Equipment should be dispatched with unit's operator.

<u>DISP OFFICE</u>	<u>EQUIPMENT TYPE</u>	<u>NUMBER AVAILABLE</u>
CBD	PALM IR	2
COA	PALM IR	1
COC	PALM IR	4
COF	PALM IR	1
CWC	THERMOVISION	4
CWC	PALM IR	2
EIC	PYROSCAN	3
EIC	PALM IR	5
GPC	PROBEYE	1
KFC	XEDAR	1
LFC	PYROSCAN	1
MAF	PALM IR	2
MIC	PALM IR	2
MIC	PROBEYE	6
NOC	PALM IR	3
PIC	PALM IR	2
PSC	PALM IR	3
ROD	PROBEYE	3
ROD	PALM IR	2
SAD	PALM IR	1
SUF	PALM IR	2
WSA	PALM IR	1
YAA	PALM IR	1
KFC	PALM IR	

78 IGNITION DEVICES**78.1 AERIAL IGNITION DEVICES**

<u>HOST UNIT</u>	<u>QTY</u>
COA	1
COF	1
LFC	2
MAF	1
CWC	2
COC	1
PIC	2
VAD	1
NWK	2
BUD	1

78.2 HELI-TORCHES

<u>HOST UNIT</u>	<u>QTY</u>
COA	1
COF	1
CWC	1

78.3 TERRA-TORCHES

<u>HOST UNIT</u>	<u>QTY</u>
COF	1
LFC	1

79 NORTHWEST AREA INTERAGENCY EQUIPMENT RENTAL RATES
Refer to website: www.fs.fed.us/r6/ppm/fire_procurement.shtml

CHAPTER 80 - AIRCRAFT

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82.1 USFS LEAD PLANES

Lead planes are considered National Interagency Resources. Region 6 (USFS-owned) will have the following King Air - 90 aircraft available during the 2006 season. The WCF Use Rate for FY 2008 is \$7.50/Hr.

<u>BASE</u>	<u>A/C "N" NUMBER</u>
Redmond, OR	N28M
Redmond, OR	N29M
Wenatchee, WA	N14CP

83 - CONTRACT AIR TANKERS

Refer to NWCC 26.7 for list of Region 6 Air tanker Numbers, Duty Hours and Days Off.

83.1 STATE COOPERATOR AIR TANKERS

The State of Oregon Department of Forestry and State of Washington Department of Natural Resources have contract air tankers.

These air tankers can be used on federal land under specific criteria. **REFER TO 2005** Geographic Additional Aviation As-set Operation Plan for detail information.

83.2 NORTHWEST AIR TANKER DISPATCH PROCEDURES AND DISPATCH GUIDE MAP

Refer to NWCC 24.10 and 28.15.

83.3 FIRE RETARDANT RATE

Reference Forest Service Handbook (FSH) 6509.11K, Section 33.13, Item 8. The rate is calculated and kept current in the Handbook. Overhead included in the rate will be deducted when billing for fire trespass cases and where reimbursable agreements prohibit charging for overhead (example: when retardant is used on a State fire in a reciprocal area).

83.3.1 "FOAM" FIRE RETARDANT USE

No fire retardant foam will be delivered from U. S. Forest Service contracted fixed-wing Air tankers.

The use of foam fire suppressant delivered from helicopters is approved except from helicopters with "fixed tanks" (LA Type).

83.4 – SINGLE ENGINE AIR TANKER
83.4.1 NORTHWEST AREA 2007 EXCLUSIVE USE CONTRACTS

Agency Forest/District COR/PI	Home Base	Vendor Aircraft Type	Contract Period	Daily Available Rate	Flight Rate	Extended Stand by Rate
USFS Malheur N.F. Jeff Meyerholz	John Day, Or	Not Available				
BIA Colville Agency	Omak, Wa	Not Available	6/30 - 8/28			
USFS Umatilla N.F. Bud Cowger	Pendleton, OR	Not Available				

84 – EXCLUSIVE USE HELICOPTERS

84.1 NORTHWEST AREA 2007 EXCLUSIVE USE CONTRACTS

Agency Forest/District COR/PI	Home Base	Vendor Aircraft Type	Contract Period	Daily Available Rate	Flight Rate	Optional Flight Rate (USFS Only)	Extended Stand by Rate
BLM Burns District	Burns, Or	Not Available					
USFS Wenatchee NF Mike Davis	Wenatchee, Wa	Guardian Helicopters 206	6/24 - 8/22	\$2,145.00	\$899.00		
USFS Umatilla N.F. JD Connall	Frazier, Or		Not Available				
USFS Malheur N.F. Jeff Meyerholz	John Day, Or		Not Available				
BLM Lakeview District Clark Hammond	Lakeview, Or	Hillsboro Aviation Bell 205 A-1++	6/1 - 8/29	\$3,320.00	\$1,445.00		
USFS Rogue River/ Siskiyou N.F. Audrey Gemmill	Grants Pass, Or	Helicopter Exp0ress Bell 407	6/4 - 9/16	\$2,688.00	\$1,006.00		
USFS COFMS Amu Kacmier	Prineville, Or	Helicopter Express Bell 407	6/2 - 9/19	\$2,688/00	\$1,006.00		

84.1 NORTHWEST AREA 2007 EXCLUSIVE USE CONTRACTS

Agency Forest/District/COR	Home Base	Vendor Aircraft Type	Contract Period	Daily Available Rate	Flight Rate	Extended Stand by Rate
USFS Wallow-Whitman N.F. Griff Williams	Sled Spring, Or	Hilcrest Aircraft Bell 205 A-1++	6/4 - 9/18	\$3,000.00	\$1,403.00	
BLM Vale District Brian Rindlisbacher	Vale, OR	Henderson Aviation Bell 206L4	6/1 - 8/29	\$2,576.00	\$804.00	\$75.00
BIA Colville Agency Jon Batten	Keller, Wa	Not Available				

84.3 STATE COOPERATOR HELICOPTERS

The following helicopters and pilots are approved (by USFS inspectors) to transport passengers, cargo, bucket operations and for reconnaissance within specified limitations. Refer to NWCC 24.7.9.

The flight rate is \$2,500/Hr. (No availability or Stand by Cost)

<u>HELICOPTER TYPE</u>	<u>"N" NUMBER</u>	<u>ASSIGNED BASE</u>
UH-1H Helitack	N338WN	Ellensburg
UH-1H Helitack	N339WN	Ellensburg
UH-1H Helitack	N340WN	Ellensburg
UH-1H Bucket	N341WN	Olympia (Backup)
UH-1H Helitack	911MR	Ellensburg
B-209 Bucket	N345WN	Ellensburg
B-209 Bucket	N346WN	Ellensburg
B-209 Bucket	N347WN	Ellensburg
B-209 Bucket	N373WW	Ellensburg

PILOTS

John Adolphson	Clarence Hendricks	Pete Peterson
Dave Adams		Pat Lance
Glenn Giammalva		Jay White

*** Pilots and Helicopters may be rotated to various bases ***

85 - OTHER AGENCY OWNED AND CONTRACT AIRCRAFT

85.1 NATIONAL BUSINESS CENTER (NBC) SOURCE LIST

Interior Agencies utilize the National Business Center Aviation Management , Boise, ID, for aircraft and pilot approvals. The NBC will acquire and certify all aircraft and pilots under Contract or Offer for Rental and provide current Source Lists of approved aircraft and pilots. Aircraft may be ordered direct from Vendors on the Source Lists. Interior Units may also utilize Agriculture (USFS) inspected and approved aircraft and pilots. USFS Units may also utilize NBC approved aircraft and pilots direct from Vendors.

REFER TO: www.nbc.gov

85.2 REGION 6 CALL-WHEN-NEEDED-HELICOPTERS

REFER TO: http://www.fs.fed.us/r6/fire_procurement.shtml

85.3 SMOKEJUMPER AIRCRAFT IDENTIFICATION

All smokejumper aircraft in the Northwest Area will be identified by using the word "Jumper" in front of the FAA identification number.

NORTHWEST MOBILIZATION GUIDE

<u>BASE</u>	<u>AIRCRAFT TYPE</u>	<u>AIRCRAFT ID</u>	<u>FLIGHT RATE</u>
REDMOND	C-23 (SHERPA)	JUMPER 173Z	\$1356.00
REDMOND	C-23 (SHERPA)	JUMPER 178Z	\$1356.00
NORTH CASCADES	CASA 212	JUMPER 09	

85.4 USFS CWN CONTRACT AIRCRAFT AND PILOTS INSPECTION

REFER TO: <http://www.fs.fed.us/r6/fire/aviation>

86 AVIATION SAFETY

86.1 OVERDUE, MISSING AND DOWNED AIRCRAFT PROCEDURES

Refer to NWCC 24.3.1 and to the Aircraft Crash, Search, And Rescue Guide.

86.2 SUNRISE/SUNSET TABLE

These tables should be maintained at the local dispatch center and can be furnished upon request. The tables are available on the Internet at <http://www.usno.navy.mil>.

Select rise/set menu under the Astronomical Applications department. Then select the month, the day, the state, and the city. Click on the Get Data button to generate sunrise/sunset table.

It is also, recommended that you download the data and reformat the files so they will print on a single sheet.

86.3 USFS OPERATIONS AND SAFETY INFORMATION FOR PILOTS

REFER TO: <http://www.fs.fed.us/r6/fire/aviation>

87 - AIRCRAFT COMMUNICATIONS

87.1 AVIATION FREQUENCY

Refer to NWCC 24.14.1 and the following publications:

- 1) Pacific Northwest Interagency Aviation Frequency Guide.
- 2) See Geographic Area Frequency Map For additional Air To Air frequencies, Exhibits 18 and 18A

88 - OTHER AVIATION SERVICES / ACTIVITIES

88.1 MODULAR AIRBORNE FIRE FIGHTING SYSTEMS (MAFFS)

Refer to NMG 24.10.2 and to the Modular Airborne Fire Fighting Sys-

tems Operational Plan.

88.2 AIRCRAFT USE REPORTING

Refer to Agency Manual Direction.

88.3 AIRPORT GUIDE.

The airport guide (**NWCC 88.3.1,88.3.2**) has been prepared as a **reference guide** for dispatchers within the Northwest Area. The purpose of the guide is to assist these individuals in determining suitable airports for mobilization and demobilization of incident personnel. The guide is **NOT** intended to substitute the pilot's responsibility for flight planning. Information about unlisted airports and airfields can be found in local dispatch offices and from the following sources:

- State Airport Directories
- Airport/Facility Directory
- Flight Guide
- Regional Aviation Group

88.4 NORTHWEST HELIBASES

88.5 AIRCRAFT TYPE AND CAPABILITIES GUIDE

The purpose of the information is to familiarize individuals in aircraft identification for flight planning purposes only. The information provided is typical data for each make and model but it does not necessarily apply to any specific aircraft.

(NWCC 88.5.1,88.6.2,88.5.3)

Prior to using any aircraft check with the vendor or an agency pilot, or local aviation manager on whether the aircraft can accomplish the specific mission.

88.3.1 OREGON AIRPORT GUIDE

City/ ILS	FAA ID Fuel Type	Latitude/ Longitude	Elevation FBO(Phone) (feet)	Runway Lenght/ width/surface	Nite/
Approved	Available				

NORTHWEST MOBILIZATION GUIDE

City/	FAA ID	Latitude/ Longitude	Elevation (feet)	Runway Length/ width/surface	Nite/ILS Approved	Fuel Type	FBO(Phone) Available
Astoria	(AST)	46 09/123 52	015	5796/150/Asph	Y/Y	Avgas/Jet	Port of Astoria (503-861-1212)
Baker City	(BKE)	44 50/117 48	3373	5097/100/Asph	Y/N	Avgas/Jet	Sundance Avn(541-523-5663)
Bend	(S07)	44 05/121 11	3453	5005/75/Asph	Y/N	Avgas/Jet	Flight Shop(541-388-0019)
Burns	(BNO)	43 35/118 57	4148	5100/75/Asph	Y/N	Avgas/Jet	Eagle Wing(541-573-6139)
Corvallis	(CVO)	44 29/123 17	246	5900/150/Asph	Y/Y	Avgas/Jet	Corvallis Aero Svc.(541-753-4466)
Denmark	(5S6)	42 51/124 31	214	5100/150/Asph	N/N	None	None
Eugene	(EUG)	44 07/123 13	365	8000/150.Asph	Y/Y	Avgas/Jet	Flightcraft(541-688-9291)
Florence	(6S2)	45 58/124 06	046	3000/60/Asph	Y/N	Avgas/Jet	Florence Avn(541-997-8069)
Gold Beach	(4S1)	42 24/124 25	016	3200/75/Asph	Y/N	Avgas/Jet	Admin Bldg(541-247-6269)
Grant Pass	(3S8)	42 30/123 22	1125	4000/75/Asph	Y/N	Avgas/Jet	GreatPacific Avn Svc (541-479-2230)
John Day	(CGD)	44 24/118 57	3697	4500/60/Asph	Y/N	Avgas/Jet	Admin Bldg (541-575-1151)
Joseph	(4S3)	45 21/117 15	4122	5200/60/Asph	Y/N	Avgas/Jet	JosephFuelingsuc (541-432-0433)
Klamath Falls	(LMT)	42 09/121 43	4095	10301/150/Asph	Y/Y	Avgas/Jet	KlamathAcft(541-882-4681)
La Grande	(LGD)	45 17/118.00	2717	5600/100/Asph	Y/N	Avgas/Jet	AdminBldg(541-963-6615)
Lakeview	(LKV)	42 09/120 23	4733	5306/100/Asph	Y/N	Avgas/Jet	Goose Lake(541-947-4222)
Madras	(S33)	42 00/121 24	2434	5100/75/Asph	Y/N	Avgas/Jet	Mobley Avn(541-475-6947)
Medford	(MFR)	42 22/122 52	1335	8800/150/Asph	Y/Y	Avgas/Jet	Jet CenterNorth(541-770-5314)
Newport	(ONP)	44 34/124 03	160	5398/150/Asph	Y/Y	Avgas/Jet	Central ORCoast(541-867-3655)
North Bend	(OTH)	43 25/124 14	017	53321/150/Asph	Y/Y	Avgas/Jet	Coos Avn(541-756-5181)
Ontario	(ONO)	44 01/117 00	2193	4529/100/Asph	Y/N	Avgas/Jet	Ontario Avn(541-889-9197)
Pendleton	(PDT)	45 41/118 50	1497	6300/150/Asph	Y/Y	Avgas/Jet	Pendleton Av(541-276-3373)
Portland	(PDX)	45 35/122 35	030	11000/150/Asph	Y/Y	Avgas/Jet	Flightcraft(503-331-4200)
Redmond	(RDM)	44 15/121 08	3077	7040/150/Asph	Y/Y	Avgas/Jet	Butler Acft(541-548-8166)
Roseburg	(RBG)	43 13/123 23	529	4600/100/Asph	Y/N	Avgas/Jet	AmeristarAiz(541-673-5706)
Salem	(SLE)	44 54/123 00	214	5811/150/Asph	Y/Y	Avgas/Jet	Salem Air Svc(541-364-0111)
The Dalles	(DLS)	45 37/121 09	247	5097/150/Asph	Y/Y	Avgas/Jet	FlightlineSvc(509-767-1134)
Troutdale	(TTD)	45 39/122 24	039	5399/150/Asph	Y/Y	Avgas/Jet	Premeir Aircraft (503-661-1044)
Vale	(S49)	43 57/117 15	2249	3872/65/Gvl	N/N	None	None

88.3.2 WASHINGTON AIRPORT GUIDE

Base Name	Agency	Home Unit	Elevation (feet)	Latitude/Longitude	Agency	(feet)
Bellingham	AvtnFueling(360-676-7624)	170	48 47/122 32	(BLI)	6701/150/Asph	Y/Y
Boeing	Galvin (206-763-0350)	018	47 31/122 18	(BFI)	10001/200/Asph	Y/Y
Burlington	Corporate Air(360-757-7757)	144	48 28/122 25	(BVS)	5477/100/Asph	Y/N
Chehalis	CentralRepr(360-748-0190)	173	46 40/122 58	(CLS)	5000/150/Asph	Y/N
Chewelah	None	2075	48 18/117 44	(1S9)	3446/48/Asph	N/N
Deer Park	Partners Avn(509-276-8663)	2210	47 58/117 25	(07S)	6100/75/Asph	Y/N
Electric City	None	1590	47 55/119 04	(3W7)	4200/75/Asph	N/N
Eilensburg	MidStateAvn(509-962-7850)	1763	47 01/120 27	(ELN)	5500/150/Asph	Y/N
Everett	EverettJet(425-355-6600)	606	47 54/122 16	(PAE)	9010/150/Asph	Y/Y
Felts Field	Felts Avn(509-535-9011)	1953	47 40/117 19	(SFF)	4500/150/Asph	Y/Y
Hoquiam	Flyfatboy(360-533-6655)	018	46 58/123 56	(HQM)	5000/150/Asph	Y/Y
Moses Lake	AirAmerica(509-762-2222)	1185	47 12/119 19	(MHW)	13502/200/Asph	Y/Y
Olympia	PearsonAir(360-786-8333)	206	46 58/122 54	(OLM)	5419/150/Asph	Y/Y
Omak	Terminal(509-826-6270)	1305	48 27/119 31	(OMK)	4654/150/Asph	Y/N
Pasco	Bergstrom(509-547-6271)	407	46 15/119 07	(PSC)	7700/150/Asph	Y/Y
Port Angeles	RiteBros.(360-452-6226)	291	48 07/123 29	(CLM)	6347/150/Asph	Y/Y
Republic	None	2519	48 43/118 39	(R49)	3498/60/Asph	N/N
Seattle	ASIG(206-433-5481)	433	47 27/122 18	(SEA)	11900/150/Asph	Y/Y
Spokane	SpokaneAir(509-747-2017)	2372	47 37/117 31	(GEG)	9000/150/Asph	Y/Y
WallaWalla	Blueridge Actf(509-529-4243)	1191	46 05/118 17	(ALW)	6528/150/Asph	Y/Y
Wenatchee	ExecutiveFlt(509-884-1545)	1245	47 23/120 12	(EAT)	5500/150/Asph	Y/Y
Winthrop	Adm (509-987-2031)	1694	48 25/120 08	(S52)	5049/75/Asph	Y/N
Yakima	NolandDeco(509-248-1370)	1095	46 34/120 32	(YKM)	7603/150/Asph	Y/Y

88.4 Northwest Helibase Information:

Base Name	Agency	Home Unit	Elevation (feet)	Latitude/Longitude	Agency
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NORTHWEST MOBILIZATION GUIDE

Burns	43 35/118 57	4144	Burns	BLM
Chelan	47 52/119 55	1263	Wenatchee	USFS
Clearwater	46 12/117 34	5650	Umatilla	USFS
Ellensburg	47 01/120 31	1760	WA-SES	State of Washington
Enumclaw	47 10/121 59		WA-SPS	State of Washington
Frazier	45 09/118 13	4500	Umatilla	USFS
Ft. Rock	43 26/120 50	4520	Lakeview	BLM
Gerber	42 12/121 08	4930	Lakeview	BLM
John Day	44 24/116 57	3700	Malheur	USFS
Lakeview	42 09/120 23	4209	Lakeview	BLM
Merlin	42 30/123 23	1122	Siskiyou	USFS
Oakridge	43 45/122 30	1420	Willamette	USFS
Olympia	46 58/122 54	206	WA-WAS	State of Washington
Prineville	44 17/120 54	3246	Prineville	BLM
Sled Spring	45 47/117 16	4500	Wallowa-Whitman	USFS
Tupper	45 04/119 29	4100	Umatilla	USFS
Vale	44 01/117 00	2190	Vale	BLM
Wenatchee	47 23/120 12	1249	Wenatchee	USFS

88.5.1 AIRCRAFT TYPES AND CAPABILITIES GUIDE

Fixed Wing Aircraft Information:

Single Engine

NORTHWEST MOBILIZATION GUIDE

Aircraft Runway Make/Model	Length (Feet) (feet)	Wing Span (kts/mpH)	Cruise Speed (feet)	Payload (pounds)	Number of Pax Seats	Required Length
Cessna 172	27	36	105/120	600	3	1500
Cessna 180	26	36	140/160	800	3	1500
Cessna 182	28	36	150/170	900	3	1500
Cessna 182RG	28	36	120/140	1100	3	1500
Cessna 185	26	36	109/125	1100	3	1700
Cessna 205	28	36	135/155	900	5	2000
Cessna 206	28	36	130/160	1100	5	1500
Cessna 207	32	36	130/160	1100	6	2000
Cessna 208	38	52	175/180	2500	8-12	2000
Cessna 210	28	37	155/190	1000	6	2000
Cessna 210(Turbo)	28	37	165/190	1500	6	2500
Piper PA-18 Supercub	23	35	100/115	600	1	500
Piper PA-32R Lance	28	33	135/155	1100	5	2000
Beech Bonanza	26	34	165/190	950	4-5	2000
DHC-2 Beaver(Floats)	30	48	100/115	1400	6	1700

Twin Engine

Aircraft Runway Make/Model	Length (feet) (feet)	Wing Span (kts/mpH)	Cruise Speed (feet)	Payload (pounds)	Number of Pax Seats	Required Length
Cessna 337 Skymaster	30	38	148/170	600	3	2000
Cessna 340	43	38	182/210	900	5	3000
Cessna 414	36	44	174/200	900	5	3000
Cessna 421 Golden Eagle 34	40	191/220	1600	7-9	3000	
Cessna 441 Conquest I/II 39	49	252/290	1400	8	3000	
Piper PA-23 Aztec	31	37	174/200	1000	5	2000
Piper PA-31 Chieftain	35	41	217/250	1800	8	3000
Piper PA-31T2 Cheyenne IXL	37	43	208/240	1300	7	3000
Piper PA-34 Seneca	29	39	190/230	1100	5	2000
Piper PA-42 Cheyenne II 43	48	273/315	2000	11	3300	
Piper PA-42 Cheyenne II 43	48	295/340	2000	11	3300	
Piper PA-44 Seminole	28	39	165/190	600	3	2000
Beech craft Baron 55	28	38	187/215	1000	5	2000
Beech craft Baron 58/P	30	38	187/215	1000	5	3000
Beech craft King Air 90/100	36/40	50	226/260	1300	6	3000
Beech craft King Air 200/350	44	55	278/320	2200	9-12	3300
Aero Commander 500	35	45	169/195	1100	5	3000
Aero Commander 690	44	47	247/285	1200	7	3000
Aero Commander 840	44	49	247/285	1600	9	3000
Partenavia P-63	31	39	161/185	1100	5	1600
Islander BN-2	36	49	130/150	2000	10	1500
DC-3 Turbo	58	96	182/210	5900	20-30	2000
Sherpas S-330(C-23)	58	75	148/170	2200	20	2000
DHC-6 Twin Otter	53	65	148/170	3000	15-19	1500
Casa 212	50	62	169/195	3400	19	2500
MU-II	34	40	300/345	3350	9	1800

88.5.2 AIRCRAFT TYPES AND CAPABILITIES GUIDE

Helicopter Information:

NORTHWEST MOBILIZATION GUIDE

TYPE I					
Make/Model	Length	Rotor Diameter (feet)	Bucket Size (gallons)	Cruise Speed (kts/mpH)	Number of Pax Seats Pax
K-MAX (K1200)	52	48	900	80/92	N/A
Bell 214 B-1	62	52	660-880	140/160	15-20
Blackhawk UH-60	65	54	660	145/167	14-17
Sikorsky S-61N	73	62	900	120/138	N/A
Boeing Vertrol 107	83	50	900-1000	120/138	N/A
Boeing 234(CH-47)	99	60	3000	135/185	46
Sikorsky S-64 Skycrane	89	72	2000	80/92	N/A

TYPE II (STANDARD & LIMITED)					
Make/Model	Length	Rotor Diameter (feet)	Bucket Size (gallons)	Cruise Speed (kts/mpH)	Number of Pax Seats Pax
Bell 204B/UH-1B	55	48	240	90/104	10
Bell Super 204	55	48	324	90/104	10
Bell 205 A-1	57	48	324	90/104	14
Bell 212	58	48	324	100/115	13
Bell 412	56	46	420	110/115	13
Kaman H-43	25	47	324	85/98	N/A
Sikorsky S-58T	42	56	420	90/104	12-18

TYPE III					
Make/Model	Length	Rotor Diameter (feet)	Bucket Size (gallons)	Cruise Speed (kts/mpH)	Number of Pax Seats Pax
MD-500D (Hughes)	31	26	96-108	120/138	4
Bell 206 III Jet Ranger	39	33	96-108	97/112	3
Bell 206 L-3 Long Ranger	43	37	96-144	110/127	6
AS-350 D-1 Astar	43	35	108-144	108/124	4
AS-350 B-2 Ecureuil	43	35	240	125/144	5
AS-355 F-1 Twin Star	43	35	108-144	115/132	4
SA-315 B Lama	43	36	180	80/92	4
SA-316B Alouette III	42	36	144	80/92	6

88.5.3 AIRCRAFT TYPES AND CAPABILITIES GUIDE

Air Tanker Information:

NORTHWEST MOBILIZATION GUIDE

Aircraft Make/Model	Length (feet) (feet)	Wing Span (kts/mph)	Cruise Speed (pounds)	Contract Operating Wt. (gallons)	Retardant Load	Number of Gates
C-130 MAFFS	99	133	239/275	108,537	3000	1
P-3A	116	99	255/290	95,100	3000	8
DC-7	112	128	226/260	102,250	3000	6-8
DC-6	111	118	208/240	86,200	2400	6-8
DC-4	93	118	191/220	63,000	2000	4-8
P2V	86	98	195/225	73,900	2400	6
KC-97	118	141	217/250	125,548	4500	16
SP2H	95	98	191/220	60,000	2000	1
S-2F	44	73	175/200	25,000	800	4
CL-215	65	94	164/189	NA	1300	2
AT802	35.5	58	165/190	16,000	799	Constant flow
TURBINE THRUSH (S2R-G10)	33	47.5	138/159	11,500	500	1-2
TURBINE THRUSH (S2R-T34)	33	47.5	138/159	10,600	400	1-2
RECIP THRUSH(S2R-600)	30	47.5	122/140	6,900	400	1-2
DROMMEDER(M18A)	31	58	112/130	11,700	500	1-2

