



# NFDRS2016 ROLLOUT ACTION PLAN

OCTOBER 2018

Operational Period

7/30-8/5/2018

# INCIDENT OBJECTIVES

ICS-202

1 INCIDENT NAME

**NFDRS ROLL OUT**

2. DATE  
PREPARED

7/27/18

3. TIME  
PREPARED

1000

4. OPERATIONAL PERIOD (DATE/TIME)

**7/30-8/5/2018**

5. GENERAL CONTROL OBJECTIVES FOR THE INCIDENT (INCLUDE ALTERNATIVES)

- ***Present the science supporting the new version of the National Fire Danger Rating System (NFDRS) to the local units.***
- ***Provide an interagency framework for a standardized approach to applying fire danger based decisions at the local level by 2020.***
- ***Coordinate scheduling and delivery of workshops with Geographic Area (GA) leadership groups to ensure each is provided with consistent workshop content in addition to cadre or other support as needed to maximize participation by local units within the the GA and facilitate transition to new NFDRS implementation***

6. WEATHER FORECAST FOR OPERATIONAL PERIOD

7. GENERAL MESSAGE

**Please review this document for accuracy and missing information. All changes need to be in by 1200 (CST) Friday of each week. Send changes to:**

[dhberens@fs.fed.us](mailto:dhberens@fs.fed.us) or 601-329-6823

**AND**

[bonitajohnson@fs.fed.us](mailto:bonitajohnson@fs.fed.us) or 859-556-1572

ORGANIZATION LIST (ICS 203)

MEDICAL PLAN (ICS 206)

WEATHER SPOT FORECAST

ASSIGNMENT LIST (ICS 204)

AIR OPS. SUMMARY (ICS 220)

FIRE BEHAVIOR FORECAST

COMMUNICATION PLAN (ICS 205)

SAFETY MESSAGE

INCIDENT EMERGENCY PLAN

9. PREPARED BY (PLANNING SECTION CHIEF)

**/s/ David Berens – PSC1**

10. APPROVED BY (INCIDENT COMMANDER)

**/s/ Clint Cross – ANFDRS Chair**

**ICS 202**

# ORGANIZATION ASSIGNMENT LIST

ICS-203

1. INCIDENT NAME

NFDRS ROLL OUT

2. DATE PREPARED

7/27/2018

3. TIME PREPARED  
1000

4. OPERATIONAL PERIOD

DATE: 7/30-8/5/2018

## 5. Advanced NFDRS Steering Committee

Committee Role	Name	Agency
Chair	Clint Cross	USFS
Primary Member	JoAnne Ware	NAFRI
Primary Member	Bill Miller	NAFRI
Primary Member	Brian Maier	USFS
Primary Member	Chris Waters	Western States Rep
Primary Member	Linnea Keating	USFS
Primary Member	Steve Larrabee	BIA
Primary Member	Lindsey Curtin	USFS
Primary Member	Shelby Law	USFS
Primary Member	Tim Howell	Eastern States Rep
Primary Member	Andrew Bailey	AGOL SME

## 6. NFDRS Fire Danger Sub Committee

Committee Role	Name	Agency
Chair	Jon Wallace	USFWS
Primary Member	Don Copple	Montana State
Primary Member	Clint Cross	USFS
Primary Member	Heath Hockenberry	NOAA
Primary Member	Matt Jolly	USFS-RMRS
Primary Member	Steve Larrabee	BIA
Primary Member	Karla Luttrell	BLM
Primary Member	Dan Mindar	NPS
Primary Member	Brad Smith	Texas A&M FS
Primary Member	Scott Swendsen	USFS
NWCG Coordinator	Paul Schlobohm	BLM

## 7. NFDRS Roll Out Task Group

NIMO LEAD	Gene Madden
NIMO Safety	Tony Rivers
NIMO Liaison	Mike Quesinberry
NIMO Information Officer	Judith Downing
NIMO Plans	David Berens
NIMO Plans/Finance	Bonny Johnson
NIMO IT Support	Eric Martinez
Workshop Curriculum Dev	Jeffrey Kline
Comm Plan Implementation	Gary Jarvis

## 8. Agency Representatives and SME's

Fire Family Plus SME	Faith Ann Heinsch

## 9. OPERATIONS SECTION

CHIEF  
CHIEF  
CHIEF

### a. GA's

Northern Rockies  
Rocky Mountains  
Southwest  
Great Basin  
California  
Pacific NW  
Southern  
Eastern  
Alaska

Julie Shea
Flint Chaney/Scott Swendsen
Chuck Maxwell/Harold Riggs/William Basye
Shelby Law/Linda Chappell/Scott Tobler
Jana Luis/Dee Dee Cherry
Brian Maier/Clint Albertson
Allan Hepworth
Brian Schaffler/Ray Parrish/Steve Marion
Dave Whitmer/Tom St. Clair/Casey Boespflug

### b. NFDRS 2016 Evaluation Group

Lead

Mark Pater/Jennifer Croft

### c. Workshop Curriculum Development Group

Lead

Jeffrey Kline

### d. Communication Plan Implementation Group

LEAD

Gary Jarvis/Judith Downing

### e. Virtual Training – IT Support

LEAD

Eric Martinez

## 10.















## Communication Plan Key Messages

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- The national fire danger rating system is used by federal, state and local wildland fire response agencies and organizations to determine wildland fire potential across a range of biomes in the United States.
- The rollout of NFDRS 2016 includes the testing, calibration, transition and incorporation of input from users.
- The rollout plan includes updates to the tools Fire Family Plus (FF+) and the Weather Information Management System (WIMS) which utilize the NFDRS 2106 system.
- When the rollout of NFDRS 2016 is complete it will provide a stable NFDRS 2016 system along with updates to FF+ and the WIMS.
- This rollout plan will allow changes to reflect input received from regions and field units during the two years of implementation.
- NFDRS 2016 will be implemented parallel to the existing 1978 and 1988 NFDRS models in 2019. The field may use all versions to compare and review NFDRS outputs. Users will be able to provide feedback on how the NFDRS 2016 compares to the older versions in supporting sound decision making. In 2020, the full transition to NFDRS 2016 will occur and the old models will be discontinued.
- Advancements to the science include:
  - 1) Improvements to the calculations of fire danger indices and components.
  - 2) Automation of the calculations in the WIMS
  - 3) Reduction in the number of fuel models to more accurately reflect fire danger levels across the landscape.
- With the update, manual tasks previously required in WIMS, such as daily publishing of observations, managing green-up and freeze-dates, and entering season codes and greenness factors will be obsolete reducing human interventions.
- Forest Service Manual 5120 requires all Forests to be covered by a Fire Danger Operating Plan.

- The National Fire Danger Rating System is the Forest Service standard for fire danger based decisions. This includes, but is not limited to:
  - 1) Determination of Adjective Fire Danger Rating,
  - 2) Staffing levels
  - 3) Response
  - 4) Preparedness levels
  - 5) Fire prevention
  - 6) Fire restrictions
  - 7) Prescribed Burn Approval Act
- Fire Danger Operating plan workshops have been implemented in the past by cadre from the Advanced NFDRS course (taught at NAFRI) over the last four years in three different Geographic Areas.
- Implementing NFDRS 2016 will result in simplification of NFDRS. Many unused components of the system can safely be removed, while the core usefulness and functionality of the system remains essentially unchanged.
- Software programming will change the NFDRS 2016 system significantly, output indices that can be used to guide fire management decisions will remain: Energy Release Component, Burning Index, Spread Component, Ignition Component and fuel moisture values.
- Updates to the Fire Family Plus application will be transparent to the user.
- By the end of 2018, full transition to the NFDRS 2016 system will have occurred allowing for the decommissioning of NFDRS 1978 and 1988 systems.
- Future enhancements to NFDRS include a proposed movement to a geospatial and gridded platform.
- It will be necessary to re-validate Fire Family Plus outputs which are likely to change with the NFDRS 2016 reduction in fuel models and the availability of historic hourly weather data. Products such as fire danger operating plan breakpoints and fire business thresholds, pocket cards, staffing levels and response plans will likely be impacted.







1. BRANCH		2. GA <b>NFDRS 2016 Evaluation Group</b>		<b>GA ASSIGNMENT LIST</b> ICS-204				
3. INCIDENT NAME <b>NFDRS Roll Out</b>				4. OPERATIONAL PERIOD Date: 7/30-8/5/2018				
5. OPERATIONS PERSONNEL								
Leads –								
Mark Pater		<a href="mailto:mpater04@gmail.com">mpater04@gmail.com</a>			520-507-9295			
Jennifer Croft		<a href="mailto:jcroft@fs.fed.us">jcroft@fs.fed.us</a>			202-205-1501			
GA	EMAIL-Primary							
R1- Julie Shea	<a href="mailto:jshea@fs.fed.us">jshea@fs.fed.us</a>							
R2- Flint Cheney	<a href="mailto:fcheney@fs.fed.us">fcheney@fs.fed.us</a>	Scott Swendsen	<a href="mailto:sswendsen@fs.fed.us">sswendsen@fs.fed.us</a>					
R3- Harold Riggs	<a href="mailto:hriggs@fs.fed.us">hriggs@fs.fed.us</a>	Chuck Maxwell	<a href="mailto:cmaxwell@fs.fed.us">cmaxwell@fs.fed.us</a>	Will Bayse	<a href="mailto:wbasye@fs.fed.us">wbasye@fs.fed.us</a>			
R4- Linda Chappell	<a href="mailto:lchappell@fs.fed.us">lchappell@fs.fed.us</a>	Shelby Law	<a href="mailto:slaw@blm.gov">slaw@blm.gov</a>	Scott Tobler	<a href="mailto:stobler@fs.fed.us">stobler@fs.fed.us</a>			
R5- Dee Dee Cherry	<a href="mailto:dcherry@fs.fed.us">dcherry@fs.fed.us</a>	Jana Luis	<a href="mailto:jana.luis@fire.ca.gov">jana.luis@fire.ca.gov</a>					
R6- Clint Alberston	<a href="mailto:calbertson@fs.fed.us">calbertson@fs.fed.us</a>	Brian Maier	<a href="mailto:brianmaier@fs.fed.us">brianmaier@fs.fed.us</a>					
R8- Allan Hepworth	<a href="mailto:ahepworth@fs.fed.us">ahepworth@fs.fed.us</a>	Jon Wallace	<a href="mailto:Jon_Wallace@fws.gov">Jon_Wallace@fws.gov</a>					
R9- Raymond Parrish	<a href="mailto:raymondjparrish@fs.fed.us">raymondjparrish@fs.fed.us</a>	Brian Schaffler	<a href="mailto:bschaffler@fs.fed.us">bschaffler@fs.fed.us</a>	Steve Marien	<a href="mailto:stephen_marien@nps.gov">stephen_marien@nps.gov</a>			
R10- Dave Whitmer	<a href="mailto:d5whitme@blm.gov">d5whitme@blm.gov</a>	Tom St. Clair	<a href="mailto:tstclair@blm.gov">tstclair@blm.gov</a>	Casey Boespflug	<a href="mailto:cboespflug@blm.gov">cboespflug@blm.gov</a>			
THSP Mike Dunivan	<a href="mailto:mdunivan@tfs.tamu.edu">mdunivan@tfs.tamu.edu</a>							
7. CONTROL OPERATIONS								
<ul style="list-style-type: none"> <li>• Evaluate new model and decisions thresholds created at the national workshop for the prototype areas</li> <li>• Implement rollout to the local units through the use of a regional NFDRS rollout workshop</li> <li>• All workshops will be complete by May 2019.</li> </ul>								
8. SPECIAL INSTRUCTIONS								
9. DIVISION/GROUP COMMUNICATIONS SUMMARY								
FUNCTION		FREQUENCY	SYSTEM	CHAN.	FUNCTION	FREQUENCY	SYSTEM	CHAN.
COMMAND	PRI MA RY		Tone:		DIVISION/GROUP TACTICAL			
COMMAND	SE CO ND				STATUS/ LOGISTICS	REPEAT		
DIVISION/GROUP TACTICAL					Air Ops: Primary			
PREPARED BY (RESOURCE UNIT LEADER)				APPROVED BY (PLANNING SECTION CHIEF)			DATE	TIME
/s/ David Berens PSC1				/s/ David Berens PSC1			7/27/18	











## NFDRS ROLL OUT SESSIONS\*\*

GA	Dates*	Location	Lead	Email	Phone	Faculty	# Participants
NR		Missoula					
NR		Billings					
NR		Coer de 'Alaine					
RM	Nov 18	CO West Slope					
RM	Jan 19	CO Front Range					
RM	Jan 19	WY Plains					
SW							
GB		Utah					
GB		Idaho					
GB		Nevada					
CA		North CA					
CA		Central CA					
CA		Southern CA					
NW	11/5-16						
SA	Jan 19	TN/KY Academy	EJ Bundzendahl				
SA		Arkansas					
EA							
AK							

**\*Dates listed are those that were proposed from a past call. Use actual dates of workshops when completing this form.**

**\*\* A kindly reminder to get this information compiled and sent to [dhberens@fs.fed.us](mailto:dhberens@fs.fed.us) or [bonitajohnson@fs.fed.us](mailto:bonitajohnson@fs.fed.us) by August 31, 2018 or sooner.**