



NFDRS2016 ROLLOUT ACTION PLAN

OCTOBER 2018
Operational Period
9/17-23/2018

INCIDENT OBJECTIVES

ICS 202

1 INCIDENT NAME

NFDRS ROLL OUT

2. DATE
PREPARED

9/16/18

3. TIME
PREPARED

1600

4. OPERATIONAL PERIOD (DATE/TIME)

9/17-23/18

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 FORCAST FOR OPERATIONAL PERIOD

7. GENERAL MESSAGE

Please review this document for accuracy and missing information. All changes need to be in by 1500 (CST) Friday of each week. Send changes to:

dhberens@fs.fed.us or 601-329-6823

AND

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

ICS 202

9. PREPARED BY (PLANNING SECTION CHIEF)

/s/ David Berens – PSC1

10. APPROVED BY (INCIDENT COMMANDER)

/s/ Clint Cross – ANFDRS Chair

ORGANIZATION ASSIGNMENT LIST

ICS 203

1. INCIDENT NAME

NFDRS ROLL OUT

2. DATE PREPARED

9/16/2018

3. TIME PREPARED
1600

4. OPERATIONAL PERIOD

DATE: 9/17-23/2018

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	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	Western States Rep
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	Eastern States Rep
Primary Member	Scott Swendsen	USFS
Primary Member	Tom St. Claire	BLM
NWCG Coordinator	Paul Schlobohm	BLM

7. NFDRS Roll Out Task Group

NIMO LEAD	Gene Madden
NIMO Safety	Tony Rivers
NIMO Information Officer	Judith Downing
NIMO Liaison	Mike Quesinberry
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
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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
Clint Albertson/NWCC Fire Planner/Fire Analyst
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.

1. BRANCH		2. GA Rocky Mountain		GA ASSIGNMENT LIST ICS 204				
3. INCIDENT NAME NFDRS ROLL OUT				4. OPERATIONAL PERIOD Date: 9/17-23/2018 Time:				
5. OPERATIONS PERSONNEL								
GA LEADS – Flint Cheney		fcheney@fs.fed.us			303-886-2179			
Scott Swendsen		sswendsen@fs.fed.us			303-445-4302			
GA Cadre	EMAIL	Phone						
Randy Chappell	rchappell@blm.gov	970-596-6343						
Gwen Poirier								
Nate Williamson								
Rich Sterry	richard_sterry@fws.gov	303-236-8124						
Cordell Taylor	cetaylor@fs.fed.us							
Scott Molinari	smolinari@fs.fed.us							
Cary Newman	cnewman01@fs.fed.us	970-946-7276						
Andy Solvie	asolvie@fs.fed.us							
Josh Shroyer	Josh.schroyer@wyo.gov	307-851-1482						
Rocco Snart								
Jay Wickham								
7. CONTROL OPERATIONS								
<ul style="list-style-type: none"> Evaluate new model and decisions thresholds created at the national workshop for the prototype areas Implement rollout to the local units through the use of a regional NFDRS rollout workshop. All workshops will be complete by May 2019. 								
8. SPECIAL INSTRUCTIONS								
<ul style="list-style-type: none"> We still need the GA's to identify the number of workshops and location. Also estimate the number of attendees and establish the cadre for each workshop. 								
9. DIVISION/GROUP COMMUNICATIONS SUMMARY								
FUNCTION		FREQUENCY	SYSTEM	CHAN.	FUNCTION	FREQUENCY	SYSTEM	CHAN.
COMMAND	PRIMARY		Tone:		DIVISION/GROUP TACTICAL			
COMMAND	SECOND				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			9/16/18	1600

1. BRANCH		2. GA Southwest		GA ASSIGNMENT LIST ICS 204				
3. INCIDENT NAME NFDRS ROLL OUT			4. OPERATIONAL PERIOD Date: 9/17-23/2018 Time:					
5. OPERATIONS PERSONNEL								
GA LEADS								
Harold Riggs		hriggs@fs.fed.us			505-842-3894			
William Basye		wbasye@fs.fed.us			505-842-3115			
GA CADRE	EMAIL		Phone					
Arthur Gonzales	aagonzales@fs.fed.us		928-635-8340					
Chris Stetson	chstetson@fs.fed.us		520-388-8360					
Wes Hall	wahall@fs.fed.us		575-434-7200					
Rance Marquez	rmarquez@blm.gov		602-417-9305					
Chuck Maxwell	cmaxwell@fs.fed.us		505-842-3419					
Dominic Chickarello	Dominic.chickarello@bia.gov		928-729-7385					
Andrew Leiendecker	aleiendecker@fs.fed.us							
Mark Pater	Mpater04@gmail.com		520-507-9295					
Jason Cress	jcress@fs.fed.us		Potential Future Member					
Rocky Gilbert	rgilbert@fs.fed.us		Potential Future Member					
7. CONTROL OPERATIONS								
<ul style="list-style-type: none"> Evaluate new model and decisions thresholds created at the national workshop for the prototype areas Implement rollout to the local units through the use of a regional NFDRS rollout workshop All workshops will be complete by May 2019. 								
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COMMAND	SECOND				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			9/16/18	1600

1. BRANCH		2. GA California		GA ASSIGNMENT LIST ICS 204			
3. INCIDENT NAME NFDRS ROLL OUT			4. OPERATIONAL PERIOD Date: 9/17-23/2018 Time:				
5. OPERATIONS PERSONNEL							
GA LEADS							
Jana Luis		Jana.luis@fire.ca.gov			916-213-9939		
DeeDee Cherry		dcherry@fs.fed.us			530-227-2198		
GA Cadre	EMAIL	Phone	GA Cadre	Email	Phone		
Randy Striplin	rstriplin@fs.fed.us	530-543-2646	James Savage	jsavage@blm.gov	916-978-4431		
Amy Ziegler	aziegler@fs.fed.us	707-441-3617	Teresa Reisenhuber	triesenhuber@fs.fed.us	530-621-5223		
Patrick Doyle	pdoyle@fs.fed.us	707-562-8877	Kirsten Allison	kristenallison@fs.fed.us	714-642-0358		
Barbara Geringer-Frazier	bgeringerfrazier@fs.fed.us		Rob Holt	rholt@fs.fed.us	530-339-1144		
Thomas Rolinski	thomasrolinske@fs.fed.us		Thomas Buckner	tbuckner@fs.fed.us	530-598-6392		
Steve Leach	sleach@blm.gov		Andy Turner	Andy.Turner@fire.ca.gov	559-347-1215		
Chris Waters	chris.waters@fire.ca.gov		Rachel Brady	Rachel.Brady@fire.ca.gov	530-227-8171		
Tiffany Meyer	Tiffany.Meyer@fire.ca.gov	916-445-5397	Steve Volmer	Stephen.Volmer@fire.ca.gov	661-618-4908		
Troy Velin	Troy.Velin@fire.ca.gov		Philip SeLegue	Philip.SeLegue@fire.ca.gov	530-356-4824		
Mike Blankenheim	Mike.Blankenheim@fire.ca.gov	530-708-2702	Kip Van de Water	kvandewater@fs.fed.us	530-598-9354		
7. CONTROL OPERATIONS							
<ul style="list-style-type: none"> Evaluate new model and decisions thresholds created at the national workshop for the prototype areas Implement rollout to the local units through the use of a regional NFDRS rollout workshop All workshops will be complete by May 2019. 							
8. SPECIAL INSTRUCTIONS							
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PREPARED BY (RESOURCE UNIT LEADER)			APPROVED BY (PLANNING SECTION CHIEF)			DATE	
/s/ David Berens PSC1			/s/ David Berens PSC1			9/16/2018	
					TIME	1600	

1. BRANCH	2. GA Pacific NW	GA ASSIGNMENT LIST ICS 204
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3. INCIDENT NAME NFDRS ROLL OUT	4. OPERATIONAL PERIOD Date: 9/17-23/2018 Time:
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5. OPERATIONS PERSONNEL		
GA Leads - Clint Albertson	calbertson@fs.fed.us	541-947-6113
Regional Fire Planner (USFS)		
NWCC Fire Analyst (NPS)		

Name	EMAIL	Phone		
Mark Johnson	markjohnson@fs.fed.us	541-786-1493		
Brian Ebert	bebert@fs.fed.us	541-278-3804		
Sara Bush	sbush01@fs.fed.us	541-575-3105		
Mike Pagoaga	mpagoaga@blm.gov	208-559-3888		
Boone Zimmerlee	boone.zimmerlee@oregon.gov	541-337-5007		
Vaughn Cork	vaughn.cork@dnr.wa.gov	360-775-6889		
Brian Maier	brianmaier@fs.fed.us	509-664-9246		

- 7. CONTROL OPERATIONS**
- Evaluate new model and decisions thresholds created at the national workshop for the prototype areas
 - Implement rollout to the local units through the use of a regional NFDRS rollout workshop.
 - All workshops will be complete by May 2019.

- 8. SPECIAL INSTRUCTIONS**
- We still need the GA's to identify the number of workshops and location. Also estimate the number of attendees and establish the cadre for each workshop.

9. DIVISION/GROUP COMMUNICATIONS SUMMARY								
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COMMAND	SECOND				STATUS/ LOGISTICS	REPEAT		
DIVISION/GROUP TACTICAL					Air Ops: Primary			

PREPARED BY (RESOURCE UNIT LEADER) /s/ David Berens PSC1	APPROVED BY (PLANNING SECTION CHIEF) /s/ David Berens PSC1	DATE 9/16/18	TIME 1600
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1. BRANCH		2. GA Southern Area		GA ASSIGNMENT LIST ICS 204					
3. INCIDENT NAME NFDRS Roll Out				4. OPERATIONAL PERIOD Date: 9/17-23/2018 Time:					
5. OPERATIONS PERSONNEL									
GA Lead Allan Hepworth		ahepworth@fs.fed.us			-				
Jon Wallace		Jon_Wallace@fsw.gov			404-347-3463				
208.830.1854									
GA Cadre	EMAIL	Phone							
EJ Bunzendahl	ejbunzendahl@fs.fed.us	859.745.3148							
Tim Howell	Tim.Howell@ncagr.gov								
Jennifer Anderson	jenniferanderson@fs.fed.us	850.728.8206							
Brad Smith	bsmith@tfs.tamu.edu								
Lindsey Curtain	lcurtin@fs.fed.us	540.265.5220							
Andy Pascarella	aspascarella@fs.fed.us	540.265.5210							
Daron Reynolds	dsreynolds@fs.fed.us	307.745.2358							
Denver Ingram	Denver_Ingram@nps.gov								
Mike Ward	michaelward@fs.fed.us	404-347-3192							
7. CONTROL OPERATIONS									
<ul style="list-style-type: none"> Evaluate new model and decisions thresholds created at the national workshop for the prototype areas Implement rollout to the local units through the use of a regional NFDRS rollout workshop All workshops will be complete by May 2019. 									
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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				9/16/2018	1600

1. BRANCH		2. GA NFDRS 2016 Evaluation Group		GA ASSIGNMENT LIST ICS 204				
3. INCIDENT NAME NFDRS Roll Out			4. OPERATIONAL PERIOD Date: 9/17-23/2018					
5. OPERATIONS PERSONNEL								
Leads –								
Mark Pater		mpater04@gmail.com		520-507-9295				
Jennifer Croft		jcroft@fs.fed.us		202-205-1501				
GA	EMAIL-Primary							
R1- Julie Shea	jshea@fs.fed.us							
R2- Flint Cheney	fcheney@fs.fed.us	Scott Swendsen	sswendsen@fs.fed.us					
R3- Harold Riggs	hriggs@fs.fed.us	Chuck Maxwell	cmaxwell@fs.fed.us	Will Bayse	wbasye@fs.fed.us			
R4- Linda Chappell	lchappell@fs.fed.us	Shelby Law	slaw@blm.gov	Scott Tobler	stobler@fs.fed.us			
R5- Dee Dee Cherry	dcherry@fs.fed.us	Jana Luis	jana.luis@fire.ca.gov					
R6- Clint Alberston	calbertson@fs.fed.us							
R8- Allan Hepworth	ahepworth@fs.fed.us	Jon Wallace	Jon_Wallace@fws.gov					
R9- Raymond Parrish	raymondjparish@fs.fed.us	Brian Schaffler	bschaffler@fs.fed.us	Steve Marien	stephen_marien@nps.gov			
R10- Dave Whitmer	d5whitme@blm.gov	Tom St. Clair	tstclair@blm.gov	Casey Boespflug	cboespflug@blm.gov			
THSP Mike Dunivan	mdunivan@tfs.tamu.edu							
7. CONTROL OPERATIONS								
<p>Task: When feasible, begin comparing prototype outputs using the NFDRS 2016 model with outputs from the unit's current Fire Danger Operating Plan tools. Begin preparing to present prototype evaluation findings at the October 2-3, 2018 workshop in Tucson, AZ</p> <p>Purpose: Provide a working prototype example that can effectively assist with the development of a Fire Danger Operating Plan using the NFDRS 2016 model.</p> <p>End State: Have a working FDOP prototype in place. Begin refining or creating fire danger planning tools.</p>								
8. SPECIAL INSTRUCTIONS								
<ul style="list-style-type: none"> Concentrate on identifying differences between the new and current NFDRS models. While statistical analysis and correlations are vital—at this point, it's the model differences we seek 								
9. DIVISION/GROUP COMMUNICATIONS SUMMARY								
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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			9/16/18	1600	

HEALTH AND SAFETY MESSAGE

"We don't Plan on Luck to be Safe, We Plan on Sound Risk Management and Good Decisions"

INCIDENT: NFDRS Rollout **DATE:** October 2018 - June 2019

Major Hazards & Risks: Driving, Human Factors, Medical Emergencies

Driving: In most cases, driving will be the major risk for all personnel attending the Rollout Sessions. Highway and local traffic, unfamiliar areas and roads, weather conditions and human factors can create added risks.

Let's Add Human Factors.....

- **Complacency:** eating, drinking, texting, passengers' asleep, other distractions.
- **Daydreaming:** Thinking of other work, home, rushing to arrive at your session to get it over with, big plans for leave time to be taken, etc.

It only takes a second of distraction to cause an accident, injury, or even worse, a fatality.

Medical Emergencies - Do you know what to do in case of a medical emergency? **Review the Medical Incident Report "8 Line"** at the end of the IRPG. Your actions may save a life! Report any medical problem immediately to event organizers or dial "911". Have a plan for your Rollout session!



Someone is injured on the job every twenty seconds... His name is Doug.

"Don't Be Like Doug"

A Safe Culture

- Communicate hazards to all resources
- Openly discuss risks
- Decide and implement mitigations as a group
- Foster an environment of safety

Prepared by: Tony Rivers, SOF1, NIMO Safety Officer

Communication Plan Key Messages

- 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.

Key Messages cont.,

- 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 2020, 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.

NFDRS ROLL OUT SESSIONS**

GA	Dates*	Location	Lead	Email	Phone	Faculty	# Participants
NR		Missoula					
NR		Billings					
NR		Coer de 'Alaine					
RM		CO West Slope					
RM		CO Front Range					
RM		WY Plains					
SW							
GB	2/5-7/19	Salt Lake City, Utah	Shelby Law Linda Chappell	slaw@blm.gov lchappell@fs.fed.us	801-531-5320 801-625-5505	7-10	30-40
GB	1/8-10/19	Boise, Idaho	Shelby Law Linda Chappell	slaw@blm.gov lchappell@fs.fed.us	801-531-5320 801-625-5505	7-10	30-40
GB		Nevada					
CA	1/7-11/19	Sacramento CA McClellan	DeeDee Cherry	dcherry@fs.fed.us	530-227-2198		70
CA	2/4-8/19	Sacramento CA McClellan	DeeDee Cherry	dcherry@fs.fed.us	530-227-2198		70
CA	Fall 2019	Sacramento CA	DeeDee Cherry	dcherry@fs.fed.us	530-227-2198	***	
NW							
SA		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 or bonitajohnson@fs.fed.us by 1600 each Friday.

*** Will need a cadre of instructors to assist with this session.