

NFDRS2016 ROLLOUT ACTION PLAN

FY2019
Operational Period
10/1-7/2018

INCIDENT OBJECTIVES

ICS 202

1 INCIDENT NAME

NFDRS ROLL OUT

2. DATE
PREPARED

9/28/18

3. TIME
PREPARED

1600

4. OPERATIONAL PERIOD (DATE/TIME)

10/1-7/18

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

9. PREPARED BY (PLANNING SECTION CHIEF)

/s/ David Berens – PSC1

10. APPROVED BY (INCIDENT COMMANDER)

/s/ Clint Cross – ANFDRS Chair

ICS 202

1. BRANCH		2. GA Rocky Mountain		GA ASSIGNMENT LIST ICS 204					
3. INCIDENT NAME NFDRS ROLL OUT				4. OPERATIONAL PERIOD Date: 10/1-7/2018 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.Shroyer@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			9/28/18	1600	

1. BRANCH		2. GA Southwest		GA ASSIGNMENT LIST ICS 204				
3. INCIDENT NAME NFDRS ROLL OUT			4. OPERATIONAL PERIOD Date: 10/1-7/2018 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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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			9/21/18	1600

1. BRANCH		2. GA California		GA ASSIGNMENT LIST ICS 204				
3. INCIDENT NAME NFDRS ROLL OUT				4. OPERATIONAL PERIOD Date: 10/1-7/2018 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			
Greg Hosburg	GregHosburg@ocfa.org	951-660-6361						
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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PREPARED BY (RESOURCE UNIT LEADER)				APPROVED BY (PLANNING SECTION CHIEF)			DATE	TIME
/s/ David Berens PSC1				/s/ David Berens PSC1			9/28/2018	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: 10/1-7/2018 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.

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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 9/28/18	TIME 1600
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5. OPERATIONS PERSONNEL		
GA Lead Allan Hepworth	ahepworth@fs.fed.us	- 404-347-3463
Jon Wallace	Jon_Wallace@fsw.gov	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		
Mike Dunivan	mdunivan@tfs.tamu.edu	979-220-0718		

- 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.

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DIVISION/GROUP TACTICAL				Air Ops: Primary			

1. BRANCH	2. GA Alaska	GA ASSIGNMENT LIST ICS 204
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3. INCIDENT NAME NFDRS Roll Out	4. OPERATIONAL PERIOD Date: 10/1-7/2018 Time:
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5. OPERATIONS PERSONNEL		
GA Leads – Dave Whitmer	d5whitme@blm.gov	907-356-5642
Tom St. Clair	tstclair@blm.gov	907-978-0104
Casey Boespflug	cboespflug@blm.gov	907-482-0055

GA Cadre	EMAIL	Phone		
Sharon Alden				
Brian Sorbel				
Larry Weddle				
Rob Schmoll				
Bobette Rowe				
Brad Reed				
Robert Ziel				
Chris Moore	chmoore@blm.gov	(W)907 356 5570 (C)907 482 0161		

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.

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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 9/28/18	TIME 1600
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1. BRANCH		2. GA NFDRS 2016 Evaluation Group		GA ASSIGNMENT LIST ICS 204				
3. INCIDENT NAME NFDRS Roll Out			4. OPERATIONAL PERIOD Date: 10/1-7/2018					
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			9/28/18	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	
<p>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.</p> <p style="text-align: center;">Let's Add Human Factors.....</p> <ul style="list-style-type: none">➤ 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. <p>It only takes a second of distraction to cause an accident, injury, or even worse, a fatality.</p> <p>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!</p>	
 <p>Someone is injured on the job every twenty seconds... His name is Doug.</p> <p><i>"Don't Be Like Doug"</i></p>	<h3 style="text-align: center;">A Safe Culture</h3> <ul style="list-style-type: none">• 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.