

## Chapter 60 – Predictive Services

### Intelligence Reporting Procedures

The main function of the Intelligence Unit is to provide up-to-date, real-time information to management staff regarding active incidents (wildfire suppression and/or managed fire), fire weather conditions, and resource allocations and availability.

Each GACC must rely on the Units to report certain information that enables compliance with national and state requirements. The ECCs will use established procedures in the daily reporting of shared resources. GACCs will maintain a list of days off for crews and airtankers. It is the responsibility of the Unit controlling the resource to advise the GACCs of any change in available status.

### Federal Daily 1000 am Report

Resource status will be updated continually in the current ordering system. GACC Intelligence offices will use the current ordering system /Cognos reports for collection of federal resource status for the 1000 am report.

The 1000 report will include:

- Number of Engines, Dozers, Water Tenders, Types 1, 2IA and 2 hand crews, with the current ordering system of record status.

By 1100 hours each day during fire season, GACC Intelligence offices will compile and post to the GACC Intel webpage the Daily Report which documents current resource status.

Available for ONCC at: <https://gacc.nifc.gov/oncc/intel.php>

Available for OSCC at: <https://gacc.nifc.gov/oscc/intel.php>

### Situation Report

#### Interagency Situation Reporting

Daily: Issued daily, except when the unit is not staffed, such as off-season weekends or holidays.

The Interagency Situation Report (Sit Report) program captures incident activity and resources status information in a summary intended for use by fire managers. Once the information has been submitted via Wildland Fire Application Portal, it is used at the local, regional and national levels as a decision-making tool and to produce summary reports. The reporting period for this report is 0001 to 2400 GACC Intelligence staff will ensure that all of their dispatch centers have submitted completed Sit

1 Reports daily except when the unit(s) or GACC is not staffed; caught up the next regular work day.  
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3 Centers in South Ops will complete their submission by 1800 hours (1700 during winter months).  
4 Centers in North Ops will complete their submission by 1700 hours (1600 during winter months)  
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6 Access to the input side of the Sit Report program can be obtained by calling the GACC  
7 Intelligence  
8 Coordinator for your area. The GACC's have edit access to all of their respective Units' Sit  
9 Report  
10 data. NICC has edit access to all Units' Sit Report data and bases the National Incident  
11 Management Situation Report (IMSR) on this information.

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2 Units will report the following information into the Sit Report

- 3 • Unit Preparedness Levels
- 4 • Daily Fire Statistics
- 5 • Planned Prescribed (Rx) Fires
- 6 • Dispatch Center Remarks:
  - 7 ○ Brief summary of current situation
  - 8 ○ Predicted NFDRS adjective ratings
  - 9 ○ On-call dispatcher
- 10 • Year-To-Date (YTD) Statistics
- 11 • Dispatch office incident priority

12 For more specific reporting requirements and program instructions, reference the Sit Report User's  
13 Guide at:

14 [https://www.predictiveservices.nifc.gov/intelligence/Situation\\_Report\\_User\\_Guide\\_2020.pdf](https://www.predictiveservices.nifc.gov/intelligence/Situation_Report_User_Guide_2020.pdf)

### 16 **Incident Status Summary (ICS-209) Form**

17 The GACC will ensure that information in the 209 Program is current for use in the Incident  
18 Management Situation Report (IMSR). Guide. The ICS-209 is submitted by the agency that has  
19 protection responsibility for the incident, regardless of who administers the land. If the protection  
20 agency is non-federal and chooses not to meet federal reporting standards, then the federal agency  
21 which has administrative jurisdiction will submit the incident ICS-209.

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23 For non-fire incidents, an ICS-209 will be submitted for other events in which a significant  
24 commitment of wildland fire resources has occurred, or when a Type 1 or 2 Interagency Incident  
25 Management Team has been assigned

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29 The Incident Status Summary (ICS-209) is submitted to the GACC through a web-based application.  
30 Specific instructions for completing the web-based ICS-209 are available at:

31 [https://www.predictiveservices.nifc.gov/intelligence/ICS-209\\_User\\_Guide\\_4.0\\_2020.pdf](https://www.predictiveservices.nifc.gov/intelligence/ICS-209_User_Guide_4.0_2020.pdf)

32  
33 Units or Incidents should submit ICS-209 forms according to the

### 35 **When to Report Incidents with an ICS-209**

36 Wildland fires managed for complete perimeter control (full suppression) will submit an ICS-209  
37 until full containment has been achieved. Full suppression incidents will submit the 209 twice-daily  
38 by 0600 and 1800. Incidents that occur on Federal DPA, Federal Ownership and are not in unified  
39 command may submit the 209 once per day by 1800. Incidents that meet the below criteria for  
40 weekly reporting will be submitted every Thursday by 1800. Incidents submitting once daily or  
41 weekly ICS-209s shall notify the appropriate GACC Intel staff by 0600 and report out on the IC call  
42 any significant changes that occur between reporting periods.

1 Incident Status Summary (ICS-209) Form

- 2 a. An ICS-209 is required once an incident crosses the minimum threshold of 100 acres in  
3 timber/slash (Fuel Models 8-13) or 300 acres in grass/brush (Fuel Models 1-7)
- 4 b. An ICS-209 will be required if any of the following occur regardless of size:
- 5 i. A Type 1 or Type 2 IMT is assigned
  - 6 ii. Two or more incidents are managed as a Complex
  - 7 iii. A severe accident or fatality has occurred
  - 8 iv. Commitment of national resources (aircraft, Type 1 crews, etc.) for more than 72  
9 hours
  - 10 v. Complete weekly if more than 72 hours since detection and none of the above  
11 has occurred.
- 12 c. ICS-209 updates are required twice daily during each established operational period by  
13 0600 and 1800 hours.

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15 B. Submissions of ICS-209 to once per day by 1800 can be negotiated between the GACC, the IC, the  
16 Agency Administrator, and under unified command with possible triggers, but not limited to:

- 17 i. Incident moves from a Type 1 or 2 to a Type 3 or 4.
- 18 ii. No foreseen growth of the incident.
- 19 iii. All action is limited to one shift per day.
- 20 iv. High containment with minimal threats
- 21 v. Minimal commitment of critical resources
- 22 vi. Incident is 100 percent FRA and is not in unified command

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24 C. A “Final” ICS-209 is submitted once the incident is 100% contained and/or controlled  
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26 D. Requirements for, or any combination of Confine, Monitor, Point Protection and Full  
27 Suppression (not including 100% Full Suppression fires)

- 28 a. An ICS-209 will be submitted daily no later than 1800 regardless of size, if at any time  
29 one or more of the following occur:
- 30 i. A Type 1 or Type 2 IMT is assigned
  - 31 ii. A number of incidents have been declared a “managed” complex
  - 32 iii. A severe accident or fatality has occurred
- 33 b. If none of the above occur:
- 34 i. ICS-209 updates will be submitted Thursday’s only no later than 1800 hours.
  - 35 ii. A final ICS-209 will be submitted once the incident is declared 100% contained  
36 and/or controlled.

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41 **Complex**

42 Wildland fires within a complex should be aggregated and included on one ICS-209. A complex is  
43 two

44 or more individual incidents located in the same general proximity, which are assigned to a single  
45 incident commander or unified command. The following complex reporting business practices for

1 ICS-  
2 209 and IRWIN must be followed.

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- 4
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- 7 • The complex parent is a unique record and is not a converted wildland fire incident record.
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- 9 • The complex parent record should be created in an IRWIN recognized CAD system, or as an  
10 individual ICS-209. The parent incident shall include the word “Complex” and not be named  
11 from an existing fire.
- 12
- 13 • Individual child incidents can be added to a complex within the 209 program as either  
14 preexisting ICS-209 incidents or as individual IRWIN incidents created from another IRWIN  
15 recognized application using the ‘Complex by Incident’ button in block 7 of the 209 data entry  
16 screen. Finalize an existing ICS-209 child incident prior to associating the incident to the parent  
17 Complex.
- 18
- 19 • Incidents that do not have a unique IRWIN record cannot be added to the complex using the  
20 ‘Complex by Incident’ button.
- 21
- 22 • If an incident is removed from the complex, it may resume ICS-209 reporting as an individual  
23 incident if appropriate, using normal ICS-209 reporting guidelines.
- 24

25 For questions or assistance contact the GACC Intelligence Staff.

### 26 **Incident Map/IAP**

27 Incidents should send the initial incident map data and IAPs directly to the Intelligence Staff  
28 (Electronically through email, FTP site or other electronic means) as soon as it becomes available.  
29  
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### 31 **Monthly Fire Report**

32 At the end of each month all National Forests will tabulate the total number of fires and acres burned  
33 that  
34 month. Update in the SIT report as needed.  
35

### 36 **Interagency Intelligence Report**

37 The Interagency Intelligence Report will include a synopsis on current overall status within the  
38 GACC, a  
39 section on the general weather forecast for the day, and an extended weather outlook for the next 2-4  
40 days. This report will also include sections detailing each significant incident within the GACC.  
41 These  
42 sections will give a brief incident summary of individual incidents and the resources committed to  
43 them.  
44

45 This report will be compiled from the most current information available and will be electronically  
46 shared with cooperating agencies by 1200 hours each day during large fire activity.  
47 Each GACC’s Predictive Services will utilize a Fire Behavior Analyst (FBAN) for preparing a Fuels  
48 and  
49 Fire Behavior Advisory.

## Predictive Services Weather

Weather and fire danger products and a variety of other tools are often utilized to make fire management decisions. Many of these products, including firefighter pocket cards, are based on the data maintained in historical fire occurrence and weather databases. In order to make these products as accurate as possible, fire management staff will ensure weather station and fire history data are entered correctly and accurately into the appropriate databases in a timely manner. The importance of these systems will be reiterated at fire management meetings, training sessions and through email systems.

### Daily issuance of the 7-Day Significant Fire Potential product:

Each GACC's Predictive Services will produce a "7-Day Significant Fire Potential" product daily. This will be posted on the Predictive Services Weather web pages by 1030.

North GACC website at:

<https://fsapps.nwcg.gov/psp/npsg/forecast/#/outlooks?forecastDay=2015-07-07&forecastInView=2015-07-07&state=sideBySide&gaccId=4&state=sideBySide>

South GACC website at: [https://gacc.nifc.gov/oscc/predictive/outlooks/Scal\\_Fire\\_Potential.pdf](https://gacc.nifc.gov/oscc/predictive/outlooks/Scal_Fire_Potential.pdf)

Reference the National Interagency Mobilization Guide (NMG) Chapter 60, for content and format. [GACC > Logistics/Dispatch \(nifc.gov\)](#)

### Seasonal Outlooks:

The Monthly/Seasonal Outlooks will be completed by each GACC and submitted to NICC three days

prior to the end of each month. It is due monthly year-round. These products are produced separately at

North Ops but have been consolidated into one product at South Ops.

**North Ops:** <https://fsapps.nwcg.gov/psp/npsg/forecast/#/outlooks?forecastDay=2015-07-07&forecastInView=2015-07-07&state=sideBySide&gaccId=4>

**Hawaii Monthly Outlook:** [https://gacc.nifc.gov/oncc/predictive/outlooks/Outlook\\_HI.pdf](https://gacc.nifc.gov/oncc/predictive/outlooks/Outlook_HI.pdf)

### South Ops:

<http://gacc.nifc.gov/oscc/predictive/outlooks/myfiles/assessment.pdf>

### National:

[https://www.predictiveservices.nifc.gov/outlooks/monthly\\_seasonal\\_outlook.pdf](https://www.predictiveservices.nifc.gov/outlooks/monthly_seasonal_outlook.pdf)

### Monthly Zone/Regional Fire Report:

Each GACC will compile their respective forests' fires and acres tabulations for the preceding month

and develop the monthly geographic area fire report for their area. North Ops Predictive Services will

electronically transmit their report to South Ops Predictive Services/Intelligence for compilation of the

two Geographic Area reports into the Regional Monthly Fire Report. Upon completion of this

1 regional  
 2 report by South Ops Predictive Services a copy will be transmitted to the Regional Office as well as  
 3 to  
 4 North Ops Predictive Services. Each GACC’s Predictive Services Section will be responsible for  
 5 electronically transmitting this report to their respective Units.

6  
 7 **Smoke Transport and Stability Outlooks:** Each Predictive Services Unit will produce daily a  
 8 "Smoke Transport and Stability Outlook" These products can be found at:

9 **North Ops:** [http://gacc.nifc.gov/oncc/predictive/weather/daily\\_smoke/Smoke.html](http://gacc.nifc.gov/oncc/predictive/weather/daily_smoke/Smoke.html)

10 **South Ops:** [http://gacc.nifc.gov/oscc/predictive/weather/daily\\_smoke/Smoke.pdf](http://gacc.nifc.gov/oscc/predictive/weather/daily_smoke/Smoke.pdf)

11 These are to be posted on the websites by 1130

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 13 **Fuels/Fire Danger Products:**

14 The GACCs Predictive Services sections will update the 100 Hr and 1000 Hr dead fuel moisture  
 15 charts

16 as well as the ERC charts on a daily basis for various severity weather stations within the GACC as  
 17 well as for each Predictive Service Area (PSA) They are posted at the following locations

18 **ONCC** Predictive Services website at: <https://gacc.nifc.gov/oncc/fuelsFireDanger.php>

19 **OSCC**

20 Predictive Services website as: <https://gacc.nifc.gov/oscc/fuelsFireDanger.php>

21 Each GACCs Predictive Services will utilize a Fire Behavior Analyst (FBAN) for preparing a  
 22 Fuels and Fire Behavior  
 23

24 **NFDRS RAWS Maintenance Based on Preparedness Level:**

25 The following is a matrix describing preparedness level driven actions authorized and action  
 26 required in maintaining RAWS utilized for NFDRS based products and decision processes.  
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<i>Item</i>	<i>ACTION DESCRIPTION</i>	<i>Preparedness Levels</i>				
	<b>NFDRS RAWS: Year Round - PSA – Pocket Card Stations</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
U1	Stations meet NFDRS maintenance standards and siting guidelines	A R	A R	AR	AR	AR
U2	All days with available RAWS data for regular scheduled (R/S) observation times will be "published" in WIMS	A R	A R	AR	AR	AR
U3	All annual maintenance completed as early in the field season as possible (prior to WIMS "greenup" is preferred) and maintenance is documented in WFMI	A R	A R	AR	AR	AR
U4	Identify and troubleshoot data errors within 48 hours	A R	A R	AR	AR	AR
U5	Adhere to the 3-day response time to system failures in fire season - NFDRS STANDARD	A R	A R	Se e U6 & U7	Se e U6 & U7	Se e U6 & U7
U6	Adhere to 24-hour response time to identify, troubleshoot, and process a RAWS Depot/vendor replacement order				AR	AR

U7	Adhere to 24-hour response time to replace or make repairs after receiving the RAWS Depot/vendor replacement order			AR	AR	AR
FS-1	If Forest Service items (U1- U7) are not at required level, the Regional RAWS Coordinator is authorized to secure annual maintenance and/or system failures maintenance at Forest expense.		AR	AR	AR	AR

Item

FS-1 is Forest Service specific. Items U1-U7 applies to all agencies. AR = Action Required AA=Action Authorized

Internet Sites:

Sit Report and ICS 209: <http://fam.nwcg.gov/fam-web/>

GACC Intelligence:

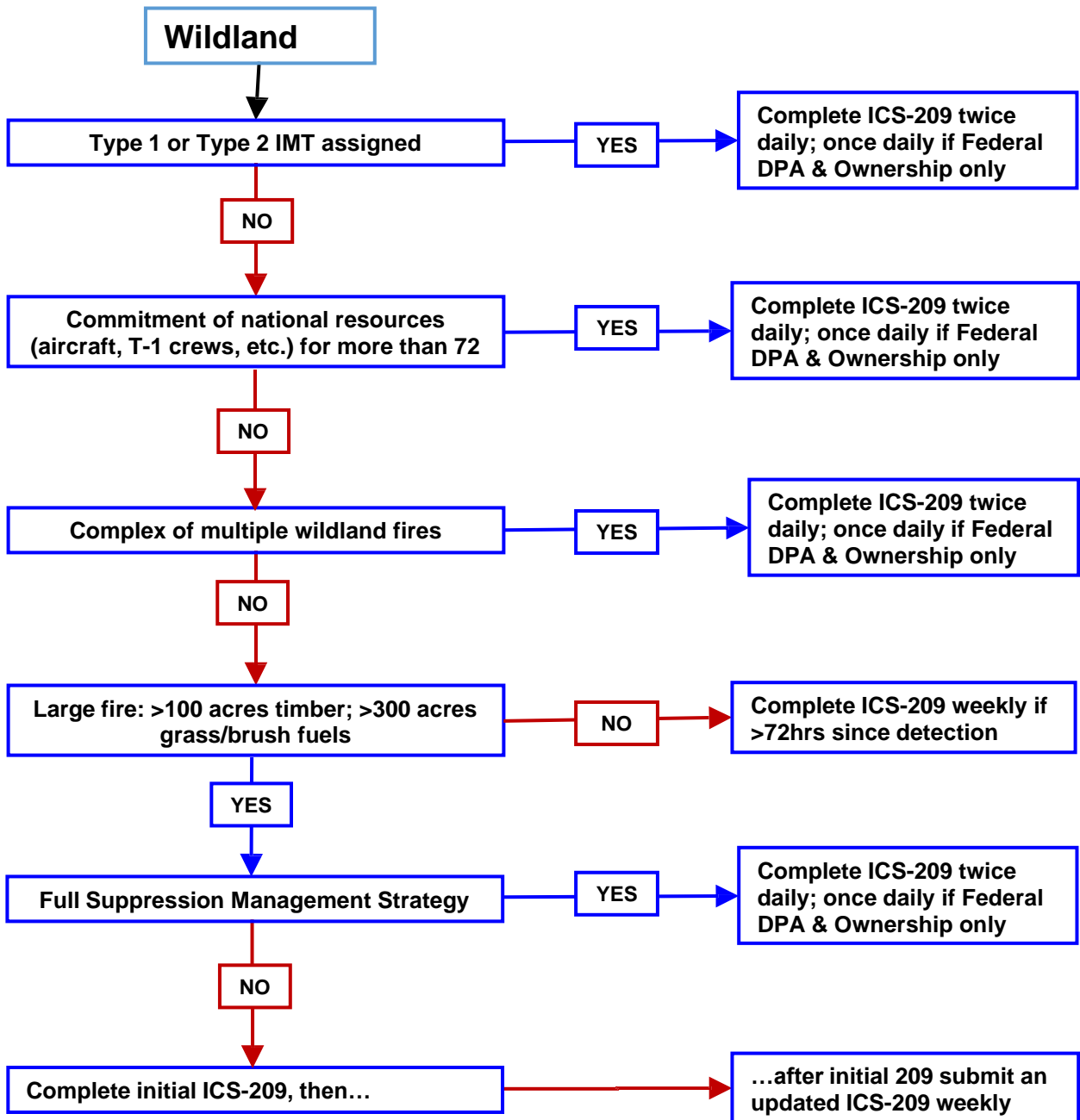
<http://gacc.nifc.gov/oncc/predictive/intelligence/index.htm>

<http://gacc.nifc.gov/oscc/predictive/intelligence/index.htm>

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## When to Report Wildland Fire Incidents with an ICS-209



An ICS-209 can be requested at the discretion of the GACC or CalMAC

*A final 209 shall be completed at containment and/or control.*

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