

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 brief summary intended for use by fire managers. Once the information has been submitted via FAMWEB application, 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 Reports daily except when the unit(s) or GACC is not staffed; caught up the next regular work day. . Centers in South Ops will complete their submission by 1800 hours (1700 during winter months). Centers in North Ops will complete their submission by 1700 hours (1600 during the winter months) Although California submits the Sit Report year round, the NICC Intelligence staff will retrieve situation reports only when the National Preparedness Level is 2 or higher.

Access to the input side of the Sit Report program can be obtained by calling the GACC Intelligence Coordinator for your area. The GACC's have edit access to all of their respective Units' Sit Report data. NICC has edit access to all Units' Sit Report data and bases the National Incident Management Situation Report (IMSR) on this information.

1 Units will report the following information into the Sit Report

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

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

13 https://www.predictiveservices.nifc.gov/intelligence/Situation_Report_User_Guide_2017.pdf

15 **Incident Status Summary (ICS-209) Form**

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

21
22 For non-fire incidents, an ICS-209 will be submitted for other events in which a significant
23 commitment of wildland fire resources has occurred, or when a Type 1 or 2 Interagency Incident
24 Management Team has been assigned

25
26
27
28 The Incident Status Summary (ICS-209) is submitted to the GACC through a web-based application.
29 Specific instructions for completing the web-based ICS-209 are available at:

30 https://www.predictiveservices.nifc.gov/intelligence/ICS-209_User_Guide_3.0_2017.pdf

31
32 Units or Incidents should submit ICS-209 forms according to the **When to Report Incidents with an
33 ICS-209 Flowchart.**

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

1 Incideny Status Summary (ICS-209) Form

- 2 a. Cp'KEU/42; 'ku'tgs wktgf "qpeg'cp'kpekf gpv'etquugu'yj g'o kpkwo 'vj tguj qrf "qh'322'cetgu'kp
- 3 wo dgt luru'j "Hwgn'O qf gnu": /35+'qt'522'cetgu'kp'i tcauldwtuj "Hwgn'O qf gnu'3/9+
- 4 b. Cp'KEU/42; 'y kn'dg'tgs wktgf 'kh'cp{ 'qh'yj g'hqmy kpi "qeew'tgi ctf nguu'qh'uk' g<
- 5 i. C'V{r g'3'qt'V{r g'4'KO V'ku'cuuki pgf
- 6 ii. Vy q'qt'o qtg'kpekf gpw'ctg'o cpci gf "cu'c'Ego r ngz
- 7 iii. C'ugxgtg'ceekf gpv'qt'hcwkv{ 'j cu'qeewttgf
- 8 iv. Ego o ko gpv'qh'pcv'kpcn'tguqwtegu"cketchw'V{r g'3'etgy u.'gve0'hqt'o qtg'yj cp'94
- 9 j qwtu
- 10 v. Ego r ngv'y ggm{ 'kh'o qtg'yj cp'94'j qwtu'ukpeg'f gvev'kqp and none of the above
- 11 has ocured.
- 12 c. KEU/42; 'wr f cvgu'ctg'tgs wktgf 'y leg'f ckn{ 'f wtkpi "gcej "guwdrkuj gf "qr gtcv'kpcn'r gtkqf 'd{
- 13 2822'cpf "3: 22'j qwtu0

- 14 B. Uwdo kuukqpu'qh'KEU/42; 'v'q'qpeg'r gt'f c{ 'd{ '3: 22'ecp'dg'pgi qv'cvgf "dgy ggp'yj g'I CEE.'yj g'KE. yj g
- 15 Ci gpe{ 'Cf o kpkutcvqt."cpf 'wpgt'wphkgf "eqo o cpf 'y kj 'r quukdr'vki i gtu.'dw'pqv'iko kgf "vq<
- 16 i. Kpekf gpv'o qxgu'htqo "c'V{r g'3'qt'4'v'c'V{r g'5'qt'60
- 17 ii. P q'hqtguggp'i tqy yj "qh'yj g'kpekf gpv0
- 18 iii. Cm'cevkqp'ku'iko kgf "v'q'qpg'uj kh'r gt'f c{ 0
- 19
- 20 kx0 J ki j "eqpv'kpo gpv'y kj 'o kpkwo cn'yj tgcw
- 21 x0 O kpkwo cn'eqo o ko gpv'qh'etk'kpcn'tguqwtegu
- 22 xk0 Kpekf gpv'ku'322'r gtegpv'HTC"cpf "ku'pqv'kp"wpkhkgf "eqo o cpf

23 E0 C'oh'kpcn'o'KEU/42; 'ku'uwdo kwgf "qpeg'yj g'kpekf gpv'ku'322' "eqpv'kpgf "cpf lqt'eqvtqmgf

- 24 F0 Tgs wktgo gpw'ht'Eqphkg.'O qpkqt."Rqkv'Rtqv'ev'kqp"qt'cp{ "eqo dk'cv'kqp"kp'cnw'kpi "uwr r tguukq+
- 25 c0 Cp'KEU/42; 'y kn'dg'uwdo kwgf 'f ckn{ 'pq'rcvgt'yj cp'3: 22'tgi ctf nguu'qh'uk' g.'kh'cv'cp{ 'ko g
- 26 qpg'qt'o qtg'qh'yj g'hqmy kpi "qeew'tgi
- 27 k0 C'V{r g'3'qt'V{r g'4'KO V'ku'cuuki pgf
- 28 k0 C'pwo dgt'qh'kpekf gpw'j cxg'dggp'f gerctgf "c'oo cpci gf o'eqo r ngz
- 29 k0 C'ugxgtg'ceekf gpv'qt'hcwkv{ 'j cu'qeewttgf
- 30 d0 K'ipqpg'qh'yj g'cdq'xg'qeew'tgi
- 31 k0 KEU/42; 'wr f cvgu'y kn'dg'uwdo kwgf 'Vj wuf c{ au'qpn{ 'pq'rcvgt'yj cp'3: 22'j qwtu0
- 32 k0 C'h'kpcn'o'KEU/42; 'y kn'dg'uwdo kwgf "qpeg'yj g'kpekf gpv'ku'f gerctgf "322' "eqpv'kpgf
- 33 cpf lqt'eqvtqmgf 0
- 34
- 35
- 36
- 37
- 38
- 39

40 **Complex**

41 Y kf rcpf 'ht'gu'y kj kp'c'eqo r ngz 'uj qwf "dg'ci i tgi cvgf "cpf 'kpenw'gf "qp'qpg'KEU/42; 0C'eqo r ngz 'ku'y q"

42 qt'o qtg'kpf k'k'wcn'kpekf gpw'ht'cv'v'f "kp'yj g'uco g'i gpgtcn'r tqzko kv{.'y j lej "ctg'cuuki pgf "v'c'ukpi ng"

43 kpekf gpv'eqo o cpf gt'qt'wphkgf "eqo o cpf 0Vj g'hqmy kpi "eqo r ngz 'tgr qt'kpi "dwuk'pguu'r tce'v'legu'ht'KEU/

44 42; "cpf "KY R' 'o wuv'dg'hqmy gf 0"

- 1 • The complex parent is a unique record and is not a converted wildland fire incident record.
- 2
- 3 • The complex parent record should be created in an IRWIN recognized CAD system, or as an
- 4 individual ICS-209. The parent incident shall include the word “Complex” and not be named
- 5 from an existing fire.
- 6
- 7 • Individual child incidents can be added to a complex within the 209 program as either
- 8 preexisting ICS-209 incidents or as individual IRWIN incidents created from another IRWIN
- 9 recognized application using the ‘Complex by Incident’ button in block 7 of the 209 data entry
- 10 screen. Finalize an existing ICS-209 child incident prior to associating the incident to the parent
- 11 Complex.
- 12
- 13 • Incidents that do not have a unique IRWIN record cannot be added to the complex using the
- 14 ‘Complex by Incident’ button.
- 15
- 16 • If an incident is removed from the complex, it may resume ICS-209 reporting as an individual
- 17 incident if appropriate, using normal ICS-209 reporting guidelines.
- 18

19 For questions or assistance contact the GACC Intelligence Staff.

21 **Incident Map/IAP**

22 Incidents should send the initial incident map data and IAPs directly to the Intelligence Staff
23 (Electronically through email, FTP site or other electronic means) as soon as it becomes available.

25 **Monthly Fire Report**

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

29 **Interagency Intelligence Report**

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

34 This report will be compiled from the most current information available and will be electronically
35 shared with cooperating agencies by 1200 hours each day during large fire activity.

36 Each GACC’s Predictive Services will utilize a Fire Behavior Analyst (FBAN) for preparing a Fuels and
37 Fire Behavior Advisory.

40 **Predictive Services Weather**

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

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

48 Each GACC’s Predictive Services will produce a “7-Day Significant Fire Potential” product daily. This
49 will be posted on the Predictive Services Weather web pages by 1030.

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

South GACC website at:

https://gacc.nifc.gov/oscc/predictive/outlooks/Scal_Fire_Potential.pdf

Reference the National Interagency Mobilization Guide (NMG) Chapter 60, for content and format. <http://www.nifc.gov/nicc/mobguide/index.html>

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](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

South Ops:

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

National:

http://www.nifc.gov/nicc/predictive/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 regional report by South Ops Predictive Services a copy will be transmitted to the Regional Office as well as to North Ops Predictive Services. Each GACC's Predictive Services Section will be responsible for electronically transmitting this report to their respective Units.

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

North Ops: http://gacc.nifc.gov/oncc/predictive/weather/daily_smoke/Smoke.html

South Ops: http://gacc.nifc.gov/oscc/predictive/weather/daily_smoke/Smoke.pdf

These are to be posted on the websites by 1130

Fuels/Fire Danger Products:

The GACCs Predictive Services sections will update the 100 Hr and 1000 Hr dead fuel moisture charts as well as the ERC charts on a daily basis for various severity weather stations within the GACC as well as for each Predictive Service Area (PSA) They are posted at the following locations

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

Predictive Services website at: <https://gacc.nifc.gov/oscc/fuelsFireDanger.php> Each GACCs Predictive Services will utilize a Fire Behavior Analyst (FBAN) for preparing a Fuels and Fire Behavior Advisory.

- 1 **NFDRS RAWS Maintenance Based on Preparedness Level:**
- 2 The following is a matrix describing preparedness level driven actions authorized and action
- 3 required in maintaining RAWS utilized for NFDRS based products and decision processes.
- 4

<i>Item</i>	<i>ACTION DESCRIPTION</i>	<i>Preparedness Levels</i>				
		1	2	3	4	5
	NFDRS RAWS: Year Round - PSA – Pocket Card Stations					
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	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.		A R	AR	AR	AR

Item

FS-1 is Forest Service specific. Items U1-U7 applies to all agencies.

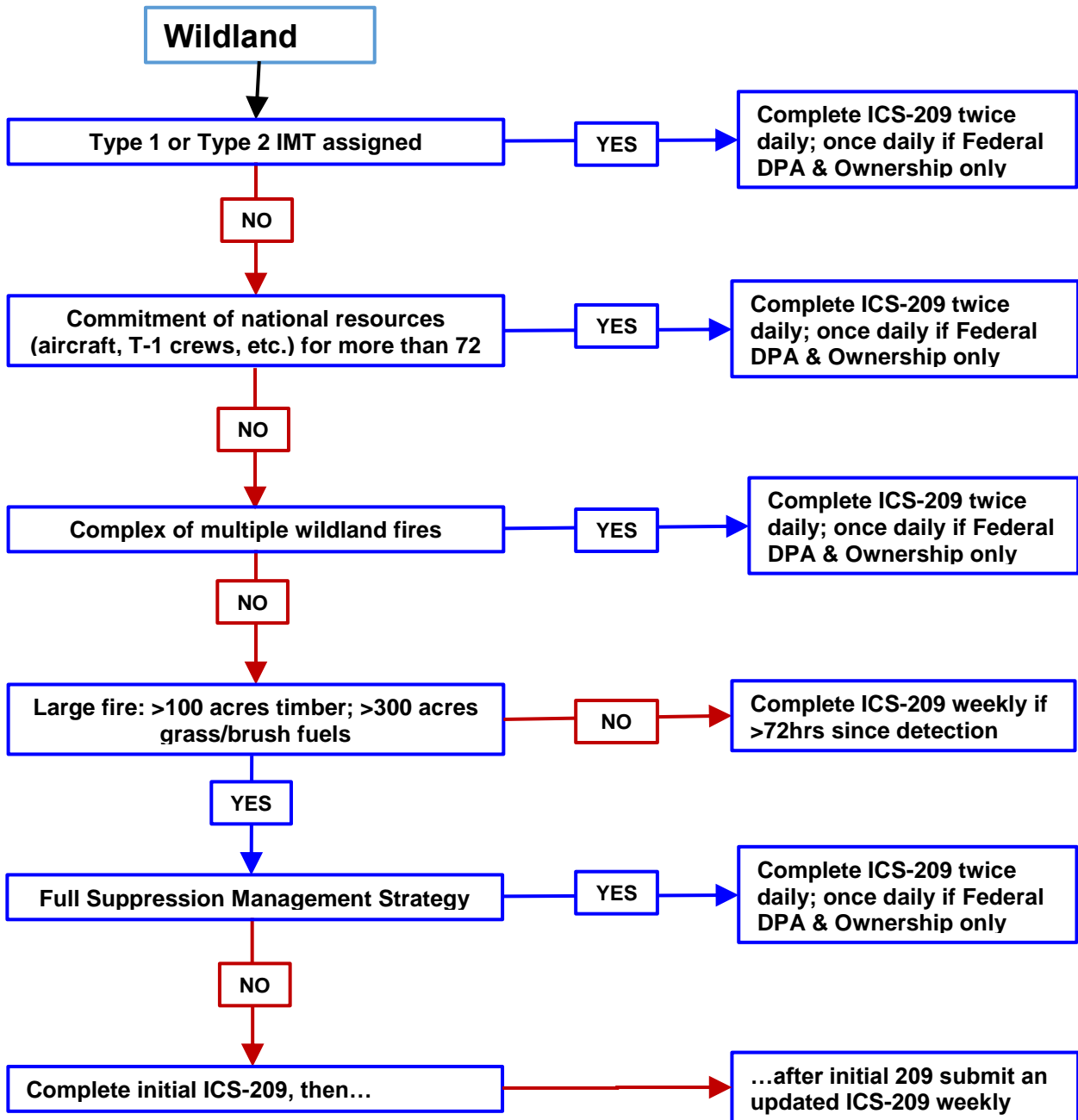
AR = Action Required AA=Action Authorized

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>

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.

THIS PAGE INTENTIONALLY LEFT FOR NOTES

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25
- 26
- 27
- 28
- 29
- 30
- 31
- 32
- 33
- 34
- 35
- 36
- 37
- 38
- 39
- 40
- 41
- 42
- 43
- 44
- 45
- 46
- 47