

iRWIN

Integrated Reporting of Wildland-Fire Information



- × IRWIN overview
- × Current status and implementation dates
- × Key workflows in Year One
- × What does this mean to you?
- × Summary
- × Q&A

IRWIN IS NOT

- ✘ Another username and password
- ✘ Intended to replace or eliminate existing applications
- ✘ A monolithic data base of all wildland fire data
- ✘ The 100% solution to our data challenges

IRWIN IS...

- ✘ A capability that orchestrates data exchange between operational applications
 - + Reduce redundant data entry
 - + Increase data consistency
 - + Provide authoritative operational data

YEAR ONE

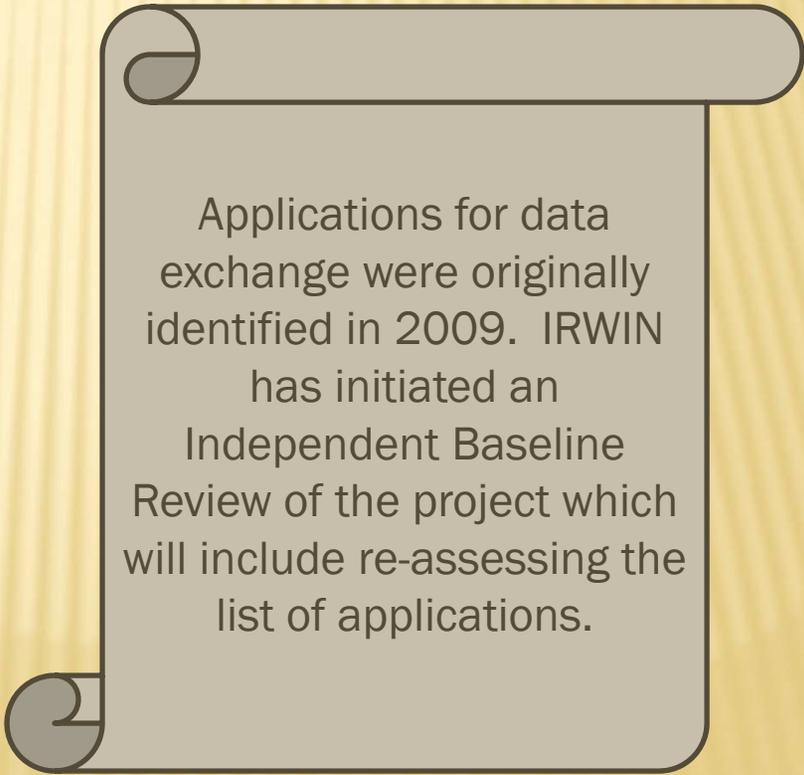
- ✘ First six applications
 - + WildCAD & Integrated Fire Management (IFM)
 - + FireCode
 - + WFDSS
 - + ICS209 (Updated)
 - + Enterprise Geospatial Portal (EGP)
- ✘ Testing targets
 - + Integrated – Dec 2013
 - + User Acceptance – Jan 2014
- ✘ Go Live by March 31, 2014

YEAR TWO

- ✘ Discovery and prototype
 - + NWCG Unit IDs
 - + e-ISuite
 - + Fire Incident Mapping Tools (FIMT)
 - + Unified Incident Command Decision Support (UICDS – Dept of Homeland Security)
 - + ROSS (new version)
- ✘ Go Live by March 2015
 - + ROSS targeted for 2016

OUT YEARS

- ✘ Year Three
 - + WFMI Fire Reporting (BIA, BLM, NPS)
 - + FMIS (FWS)
 - + FireStat (USFS)
 - + FAM Web Data Warehouse
- ✘ Year Four
 - + NFPORS / FACTS
 - + InciWeb
 - + Weather (WIMS, ROMAN)
 - + AFF
 - + ICBS
- ✘ At Any Time
 - + CAD Lite
 - + Other CADS

A grey scroll callout box with rounded corners and a shadow. The text inside is centered and reads: Applications for data exchange were originally identified in 2009. IRWIN has initiated an Independent Baseline Review of the project which will include re-assessing the list of applications.

Applications for data exchange were originally identified in 2009. IRWIN has initiated an Independent Baseline Review of the project which will include re-assessing the list of applications.

KEY WORKFLOWS IN YEAR ONE

SCENARIO ASSESSMENT



Integrated Reporting of Wildland-Fire Information

Scenario	Incident Timeline and Triggers --->						
1. IA - Out	Initial Report	Initial Attack (Local Unit)			Contain/Control (Local Unit)		Fire Out
<i>a. Federal Fire - CAD</i>	CAD	CAD, Firecode			CAD		CAD
<i>b. Non-Federal Fire - CAD</i>	CAD	CAD			CAD		CAD
<i>c. Federal Fire - No CAD</i>	Firecode						
<i>d. Non-Federal Fire - No CAD</i>							
2. Escape IA - Local Unit	Initial Report	Initial Attack (Local Unit)	Escape IA	Extended Attack (Local Unit)	Contain/Control (Local Unit)		Fire out
<i>a. Federal Fire - CAD</i>	CAD	CAD, Firecode, 209	CAD, 209, WFDSS	CAD, 209, WFDSS	CAD, 209		CAD, 209
<i>b. Non-Federal Fire - CAD</i>	CAD	CAD	CAD, 209, WFDSS	CAD, 209, WFDSS	CAD, 209		CAD, 209
<i>c. Federal Fire - No CAD</i>	Firecode	209	209, WFDSS	209, WFDSS	209		209
<i>d. Non-Federal Fire - No CAD</i>		209	209, WFDSS	209, WFDSS	209		209
3. Escape IA - IMT -Local Unit	Initial Report	Initial Attack (Local Unit)	Escape IA	Extended Attack (Agency IMT)	Contain/Control (Agency IMT)	Contain/Control (Local Unit)	Fire Out
<i>a. Federal Fire - CAD</i>	CAD	CAD, FC	CAD, WFDSS	209, WFDSS	209	CAD, 209	CAD, 209
<i>b. Non-Federal Fire - CAD</i>	CAD	CAD	CAD, WFDSS	209, WFDSS	209	CAD, 209	CAD, 209
<i>c. Federal Fire - No CAD</i>	Firecode	209	209, WFDSS	209, WFDSS	209	209	209
<i>d. Non-Federal Fire - No CAD</i>		209	209, WFDSS	209, WFDSS	209	209	209

ADS DEFAULT HIERARCHY

CAD Req	Othr Req	IRWIN Data Element	1 CAD	2 ICS209	3 WFDSS	4 FireCode	5 EGP
		IRWINID	R	R	R	R	R
		UniqueFireIdentifier	R	R	R	R	R
x	x	FireDiscoveryDateTime	1	2	3	4	5
x	x	POOResponsibleUnit	1	2	3	4	5
x	x	LocalIncidentIdentifier	1	2	3	4	5
x		DispatchCenterID	1	R	R	R	R
x	x	IncidentName	1	2	3	4	5
x		FireCause	1	2	3	R	5
x	x	IncidentTypeKind	1	2	3	4	5
x	x	IncidentTypeCategory	1	2	3	4	5
x		InitialLatitude	1	R	R	R	R
x		InitialLongitude	1	R	R	R	R
x		DiscoveryAcres	1	R	3	R	R
x	x	POOLatitude	1	3	2	4	5
x	x	POOLongitude	1	3	2	4	5
x		FirecodeRequested	1	1	R	4	R

ADS ICS209 HIERARCHY

✘ Controlled by dispatcher via CAD

IRWIN Data Element	1 Wildcad	2 ICS209
FireDiscoveryDateTime	1	2
POOResponsibleUnit	2	1
LocalIncidentIdentifier	1	2
IncidentName	2	1
FireCause	2	1
IncidentTypeKind	1	2
IncidentTypeCategory	1	2
POOLatitude	1	3
POOLongitude	1	3
DailyAcres	2	1
FireResourceAgency	2	1

IRWIN Data Element	1 Wildcad	2 ICS209
FireResourceProvider	2	1
FireResourceKind	2	1
FireResourceCategory	2	1
FireResourceType	2	1
DailyResourceQuantity	2	1
ResourceQuantityCurrentAsOf	2	1
IncidentCommanderName	2	1
ContainmentDateTime	2	1
ControlDateTime	2	1
FireOutDateTime	1	R
FinalAcres	1	2

CAD

- ✘ When used, CAD is expected to be the Authoritative Data Source for basic incident data
 - + Fire Name, Discovery Date/Time, Initial Location, etc
- ✘ Dispatchers will request a FireCode via CAD
 - + “Get FireCode” button
 - + Dispatchers can enter ABCDmisc FC initially, then use “Get FireCode” if needed
 - + All FireCode application required fields have been added to CAD (isMultijurisdictional, isFSAssist, etc)
- ✘ ICS209 Hierarchy “switch”

FIRECODE, WFDSS, ICS209

× FireCode

- + Dispatchers using a CAD generally won't need to log into FireCode!!
- + Log into FireCode will be required to request a FireCode for non-ignition: cache, severity, pre-positioning, etc.

× WFDSS

- + Dispatchers will not have to create the WFDSS record- it will already be there for any role to start using

× ICS209

- + A pick list of IRWIN incidents will be used to create new records (will replace current "WFDSS import")

ENTERPRISE GEOSPATIAL PORTAL (EGP)

- ✘ Provides a national Common Operating Picture
- ✘ IRWIN relieves EGP of current data scrubbing and reconciliation processes
- ✘ EGP provides a geospatial presentation of IRWIN data

CONFLICT DETECTION

- ✘ What is a Potential Conflict?
 - + Point of Origin is within ½ mile of another PoO
 - AND
 - + Discovery Date/Time is within 6 hours
 - AND
 - + The incidents are not from the same dispatch center (CAD)

CONFLICT RESOLUTION



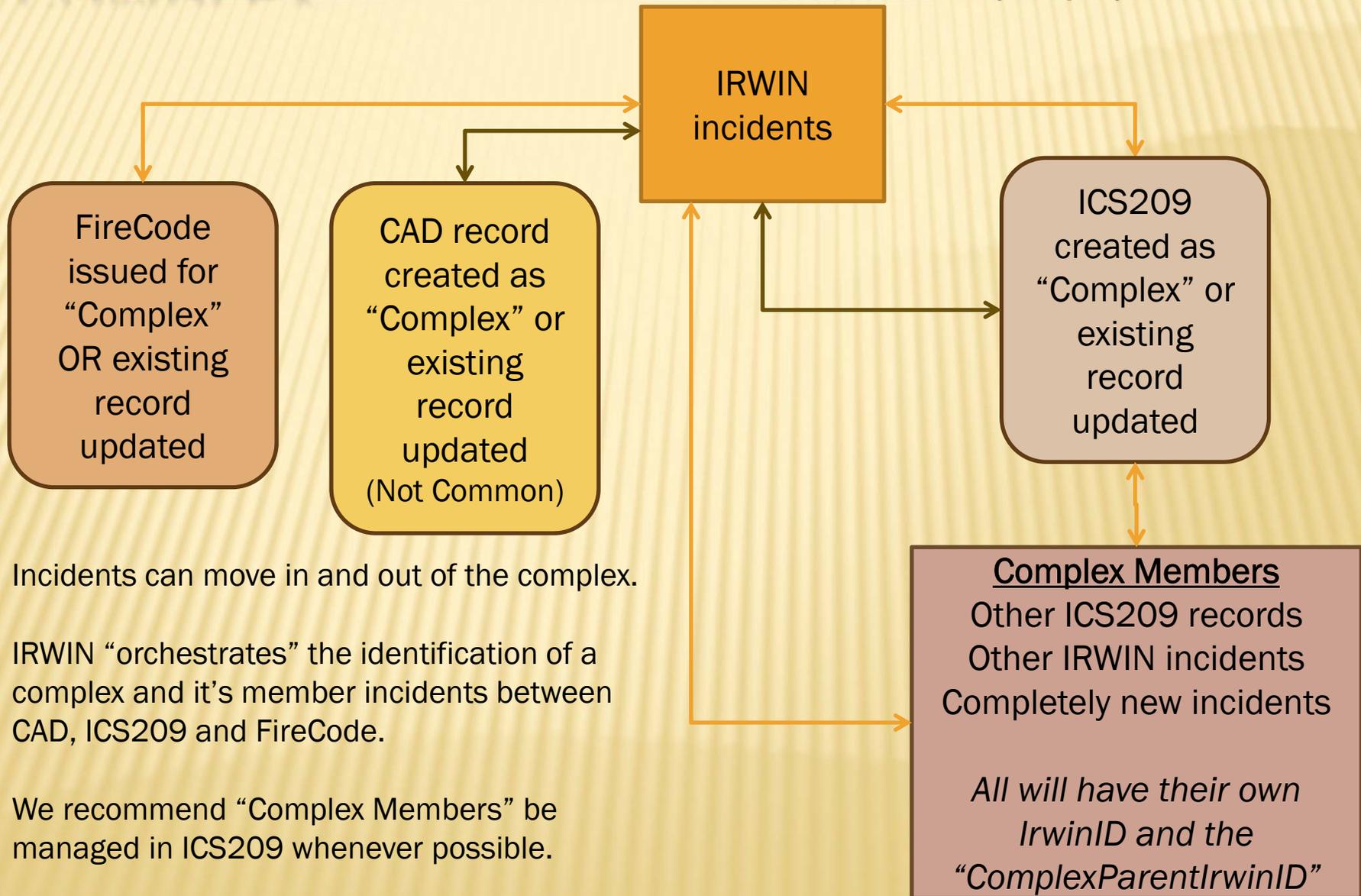
Integrated Reporting of Wildland-Fire Information

- ✘ FireCode, ICS209 & WFDSS can not submit potential conflicts
 - + Select existing IRWIN incident or identify as new
- ✘ CAD can submit potential conflicts
 - + Year One – resolved in WildCAD
 - + Given two Wildfire records, one will be identified as “not responsible dispatch center”
 - ✘ Record is “inactivated” in IRWIN
 - ✘ All other systems are updated with inactive record status
 - + Possible Admin Role for getting a list of “potential conflicts” in the CAD

COMPLEX

- ✘ IRWIN fields
 - + isComplex Y/Null
 - + ComplexParentID – the IRWIN ID of the complex added to each member record
- ✘ Complex “parent” can be designated or created in CAD, FireCode or ICS209
- ✘ Recommendation: “Complex members” are created, added or removed in ICS209
- ✘ FireCode is updated based on ICS209

COMPLEX



WHAT DOES THIS MEAN TO YOU?

THE GOOD, THE BAD AND THE UGLY

- ✘ The Good (or Great) – IRWIN will reduce redundant data entry and provide consistent, current data across participating applications
- ✘ The Bad – Data exchange will require modification and standardization of existing business practices – *Heads up Center Managers...*
- ✘ The Ugly – We've never done this before, it will be bumpy and IRWIN will not accommodate every exception to the rule.

HOW CAN YOU PREPARE?

- ✘ Get involved now... ask questions, provide feedback
- ✘ Identify people in your GACC to participate in testing
- ✘ Post the IRWIN team contact information and CALL us when you hit a bump or think of a better way to get something done

- × IRWIN overview
- × Current status and implementation dates
- × Key workflows in Year One
- × What does this mean to you?
- × Summary
- × Q&A

IRWIN PROJECT CONTACTS



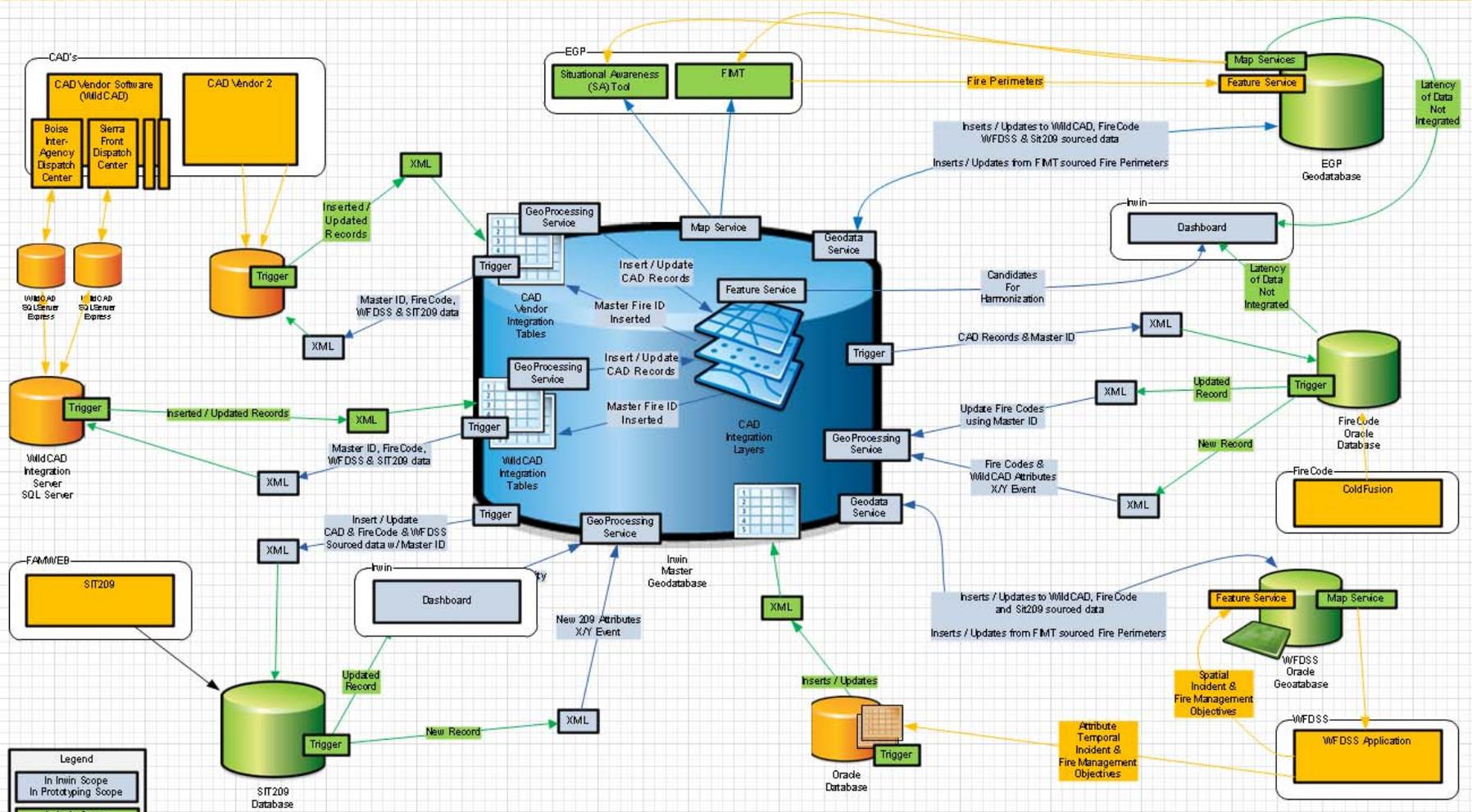
Integrated Reporting of Wildland-Fire Information

Jaymee Fojtik
IRWIN Project Manager
Jaymee_Fojtik@ios.doi.gov
208-334-6191

Roshelle Pederson
IRWIN Business Lead
Kimber_Pederson@ios.doi.gov
208-407-6685

Chris Markle
Assistant Director, Enterprise Systems and Decision Support
Christopher_Markle@ios.doi.gov
208-334-1569

QUESTIONS OR COMMENTS?



Legend	
	In Irwin Scope In Prototyping Scope
	In Irwin Scope Out of Prototyping Scope
	Out of Irwin Scope Noted for Reference



NIFC Irwin
Conceptual Architecture



Prepared for Client	
Last Updated by: Craig Morgan - Esri	Last Update Date: Feb 17, 2012
Project Number: c14842	Version: 2.0
Location: TBD	