



v9

# Business Plan



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# IRWIN v9 Business Plan

9/25/2023

## Summary

The IRWIN v9 Business Plan Items encompass various updates and integrations to improve the system. These changes are prioritized as highest, high, medium, and low or lowest importance. The plan includes reintegration of InFORM data, completed learning from learning management systems, updating incident relationships, implementing conflict detection and resolution standards, integrating state financial codes and incident records from WFDSS NG, and multiple new system integrations, among other updates. These updates aim to enhance the overall functionality and efficiency of the IRWIN system.

## Importance: Highest

### Reintegration of InFORM Data

- IRWIN team and community is looking to find opportunities to reintegrate final fire report data from InFORM.
  - Business Need: As a connected system, I want to be able to see data elements updated in the final fire reporting system for incidents for my system so that systems match, and the most accurate data is included in the incident record.
  - IRWIN will develop a table of Final Fire Reporting Data
  - Systems will determine when they access final fire reporting data from the table.
  - If an application can write a data element on create or update to IRWIN, and that data element can be updated by another application, it will be made available within IRWIN. Participating systems may, based on their specific business needs, update operational data with final fire reporting data in accordance with established ADS values. If the participating system doesn't have a business need to update data with final fire reporting data, they will identify to their users their data is operational and final fire reporting data is available in the respective final fire reporting system.

### Incident Relationships

- Implement Conflict Detection and Resolution Standard
  - Business Need: As a user, I need the ability to create a relationship between incidents outside of conflict detection so that I can properly show out of area response support even if the incidents do not initially conflict.
  - Providing Response To
    - Ability to create relationship when Conflict Criteria not met.
    - Incident conflict resolution where B wins, and A loses.
    - Lucid Chart and Specifications for this scenario
- Update Incident Relationships data elements to align with NWCG Standard to include adding new incident relationships and associated business rules for FR and BR incidents.
  - Business Need: As a user I need the integrated systems to contain a workflow for the implementation of the NWCG Event Kind Category revision (approved 03/2022) inclusive of the associated business rules regarding incident relationships.

- Systems where relationships will be created:
  - Potential Conflict
    - IRWIN
  - Providing Response To
    - Created by System
  - Complex
    - CAD, ICS-209
  - Merge
    - CAD, ICS-209
  - Prescribed Escape
    - CAD, InFORM, in the absence of a CAD or InFORM Read Write system that has create capability
  - Post Fire Relationships  
BAER and FR(BAR)
    - CADs, IROC, InFORM\_Fuels (v10?)

### Incident Quarantine Fall-Off Rules

- Business Need: As a read-write incident system, I need incidents that have been in quarantine for 8 days and have had no action taken on them to be set to invalid so that these records are no longer in potential conflict relationships with valid incidents and so that reporting is more accurate.
  - Implement quarantine fall-off rules where records will be set to invalid by IRWIN.

### Dashboard creation (IRWIN deliverable, no lift for systems, just informational)

- The community has recognized a business need to determine when a relationship has changed and/or other changes to identified data elements have been made.
- Business Need: As a Fire Manager, Incident Business Advisor, Agency Administrator, dispatcher, I need to be able to identify if critical data elements have changed after 3 days (72 hours) so that I can further investigate the change or take appropriate follow-up actions to mitigate downstream issues.
  - IRWIN is developing a Dashboard displaying incident which have had changes to the relevant data elements after 72 hours.
  - Change Notification Flag Relevant data elements
    - Unique Fire Identifier
      - Protecting Unit
      - Local Incident Identifier
    - Incident Name
    - Jurisdictional Unit
- *Wildland Fire Incident Record Standard Business Rules for Data Exchange is out for review, since the standard hasn't been approved to date there isn't an expectation systems will implement standard for v9 and will revisit for v10.*

## Increase Character Limit

- Business Need: As a resource ordering system I need, OwnerVendor, ApparatusNumber, HomeUnit, and OperationalName to accept more characters to properly integrate contracted VIPR resources without having to truncate values.
  - OwnerVendor (75 Characters)
  - ApparatusNumber (85 Characters)
  - HomeUnit (75 Characters)
  - OperationalName (WILL REMAIN AT @255)

## Importance: High

### Fire Management Complexity, Incident Complexity Level & Organizational Assessment Data Elements

- Business Need: As a read/write system with business needs associated with implementation of Incident Complexity Level (new data element), and revised data standard for acceptable values associated Organizational Assessment and Fire Management Complexity, I need to revise ADS associated with those data elements and IRWIN to exchange the additional values.
- Incident Complexity Level (New Data Element)
  - Standard Pending
  - ICS-209 field will be able to map to this field once it is approved.
  - Included in the v9 draft DMW
  - Working with ICS-209 to align to the standard once it is approved and has domain values.
- Incident Management Organization standard [NWCG Data Standard Incident Management Organization](#) – submitted request to add CIMT (Complex Incident Management Team). Systems plan to use those domain values, associated with the Incident Management Standard for acceptable Organizational Assessment values.
- Fire Management Complexity
  - IRWIN DMW will continue to utilize NWCG Management Complexity Level Designator.
  - FORS Data Standard Task Group is identified as the Data Steward. Standard needs to be revised to include Complex Incident Management.
    - DSTB/DMO to facilitate revision.

### Allow Multiple Filled Capability Requests

- Business Need: As a resource ordering system and/or as a CAD, I need to be able to assign a resource to a request in the future while it is currently filled on another request in preparation for resource's reassignment.
  - When a 'reassign' is happening in the future, IROC has records filled on more than one non-PrePo incident. IRWIN rejects this as the business rule has been only one filled request (excluding PrePo) at a given time.
  - Defining 'Reserved' Request Status

## Temporary Resources

- Business Need: As a user and an integrated system, I need to be able recognize that a request has been filled.
  - Temporary resources are not integrated, which results in 'unfilled' requests in IRWIN and participating systems.
- Developing Business and Technical Requirements.
  - Systems impacted:
    - IRWIN, HEMS, Incinet, ICS-209, EGP, e-ISuite (future)

## Importance: Medium

### Integrate State Financial Codes (new data element)

- Business Need: As a user and an integrated system, I want to be able to read and update state financial codes for incidents so that my state financial data is in sync and available to other integrated systems.
- New Data Element term and associated NWCG Standard out for review
  - Proposed Definition:
    - A state specific accounting identifier used within the wildland fire community to track and compile cost information for the responsible land management agency at the Point of Origin for emergency fire suppression.
    - Maximum Length 14
    - Minimum Length 4
    - Valid Values include:
      - Spaces, Hyphens/dashes (-), mix of alpha numeric, letters, or numbers.
      - Can be null
- Proposed Recommended Business Practices
  - State Financial Code manually entered in a connected system.
  - Would not exchange State Financial Codes for responding resources from multiple states.
  - One point of origin accounting identifier per state may be assigned per incident.

### Integrate Suppression Strategy

- Business Need: As a read/write system with business needs associated with implementation of integrating Fire Suppression Strategies, I need ADS values associated with those data elements to reflect Agency Administrators decision within WFDSS with a higher ADS value than participating systems.
- IRWIN is engaging with WFDSS, WFDSS Next Gen and ICS 209 on updating ADS values for the following data elements.
- The request is for WFDSS to have a higher ADS:
  - FireStrategyConfinePercent
  - FireStrategyFullSuppressionPercent
  - FireStrategyMonitorPercent
  - FireStrategyPointZonePercent
  - RelativeRiskRating

## EDG connection for Frequencies

- Business Need: As the integration system, I want to be able to pull frequency data from EDG or have EDG send frequency data to the integration so that we have the most updated data to share with connected systems.
- EDG serves as the authoritative source for the reference data set for Frequencies as well as for potential validation of frequency data elements (standard).
- Teams need to determine:
  - Frequency of updates and availability of services.
  - Coordinating with IROC, CADS, IRWIN, EDG, DMO, CDO and Agency Frequency Managers
  - Develop Frequency Catalog (is this v10?)
  - Develop workflows for DCO and Agency Frequency Managers to add data to EDG.
  - Develop workflows and Lucid Charts for systems to access data set from IRWIN.
- Data Call in Progress
  - NCCMs Briefed
  - Quality Assurance/Quality Control Ongoing

## New Incident Data Elements for Alaska AWFCG DMC Request

- Business Need: As an Alaska CAD user, I want to be able to share specific data elements from my CAD through the integration so that they can be available to the final fire reporting system.
- Standard Submitted to DSTB
  - **POOAIWFMPFireManagementOption** data element to the Incident Feature Service Layer.
  - **DailyFireNarrative** data element to the IRWIN Incident Feature Service Layer.
  - **POOLandOwnerLocalID** data element to the Incident Feature Service Layer.
  - **EstimatedCostToDate** (or similar field) to be passed from WildCAD-E (when it is available) to IRWIN when a daily 209 is not being completed.
  - **TotalIncidentPersonnel** data element to be passed from WildCAD (AK Daily Module) to IRWIN when a daily 209 is not being completed.

## Modify validation of Aircraft Registration Numbers

- Business Need: As a resource ordering system, I want the TailNumber data element to be 14 characters long and allow dashes so that I can properly input UAS and Military aircraft.
  - Up to 14 Characters
  - Military Aircraft - specifically Utah National Guard has dashes in their registration number.
    - One dash, not multiple
  - Can be null for Aircraft Groups

## ICS-209 Resource integration

- Business Need: As a 209 user, I need incident resources, showing at incident, to be integrated in a manner consistent with ICS-209's Resource Tab so that I can better create the incident resource summary based on already integrated request and resource data.

- IRWIN Implementation Team has coordinated with e-ISuite utilizing the established query e-ISuite has utilized for their 209 Resources Report in support of this effort.

## Importance: Low and Lowest

### Rename PositionCode to ItemCode

- Business Need: As a user and a resource ordering system, I want to have a way to reference position code data on catalog items for non-overhead so that data is shared through the integration.
  - Community determined new data element isn't necessary but do need to rename current data element of PositionCode to ItemCode to meet the needs of the community.

### Update Unit ID fields to include Country Code

- Business Need: As a connected system that adds or updates incidents, I want to be able to send in UnitID with the country code included to comply with the NWCG standard.
  - Clarify with systems if IRWIN corrected the way it handles Unit ID fields if they would be impacted. Systems have already accounted for this within data exchange.

## New System Integrations:

### Learning Management Systems

- WFLP
- ESO
- FEMA's All Hazard Training Portal
- IAT (v10)
- Coordinating with EDG as SOR for Course Data Set

### WFDSS Next Generation

- IRWIN is coordinating with WFDSS Next Generation as a participating system in support of their go-live schedule. This may be a phased implementation or go beyond v9.

### e-ISuite

- Undetermined, but possible phased implementation
  - Read Only for v9
  - Read/Write v10

### Integrated Training/Practice Environment

#### ESO

#### Wisconsin DNR CAD

### Additional CAD(s) adding Resource Integration

- fiResponse
- FireWeb Incident Management

## V9.0 Milestones and Dates

- 🍇 Business Requirements Drafted Friday, April 7, 2023
- 🍇 Project Management Plan Published Friday, August 18, 2023
- 🍇 Business Requirements Finalized Monday, September 25, 2023
- 🍇 Release Management Plan Published Friday, September 29, 2023
- 🍇 Testing Plan Published Friday, September 29, 2023
- 🍇 IRWIN v9.0 “Feature Complete” Friday, October 26, 2023
- 🍇 Integration Specifications Published Friday, October 26, 2023
- 🍇 Data Mapping Workbook Published Friday, October 26, 2023
- 🍇 Initial API (Incidents and Resources) Build to TEST/Next Tuesday, October 31, 2023
- 🍇 Initial API Build (Incidents and Resources) to OAT/Next Thursday, November 2, 2023
- 🍇 Initial Observer Build to OAT/Next Tuesday, November 2, 2023
  - ✓ Build Freeze December 18 – 29, 2023
  - ✓ Final Build
- 🍇 Integration Testing Monday January 22, 2024, thru Friday January 26, 2024
- 🍇 IRWIN v9.0 “Code Freeze” Friday, February 23, 2024
- 🍇 v9.0 Production API (Incidents and Resources) Release Wednesday, March 6, 2024
- 🍇 v9.0 Observer Production Release Wednesday, March 6, 2024