

National Interagency Systems Coordination Group

Fire and Aviation Management

System and Project Update

June, 2008





Bureau of Land Management Fire and Aviation Management Information Systems

Phone: 208-387-5734

Email: nifc_help@blm.gov

June, 2008 National System/Project Status

- **ASCADS** (Automated Sorting Conversion and Distribution System) {Project Manager: Greg Jensen}
 - Lifecycle planning for end of life (i.e. Unify DB); \$300K for planning requested for FY2009

- **Denver Backup - Network/Internet** {Project Manager: Louie Leezer, PMP }
 - **This is on hold pending DOI/ESN approval**
 - Network node at NIFC is proceeding
 - Internet circuit install tentatively scheduled for early April 2008
 - Install of new internal DS3 does not have a target date but will go in ASAP
 - Network hardware has been received at NOC. Configuration and shipping to NIFC pending circuit deliveries
 - New Backup systems installed January 2008.
 - Current initial systems deployment plan is for the deployment of a web environment for fire related web sites

- **FEOS (Fire Equipment Ordering System)** {Project Manager: Greg Jensen}
 - FEOS is being developed for the NIFC Equipment Development Unit (EDU).
 - The requirements document has been completed and is being reviewed by EDU. Tentatively scheduled for July, the design phase will be initiated upon acceptance of the requirements.

- **FireCode** {Project Manager: John Noneman, PMP }
 - New development hardware has been purchased – once testing on new OS and DB software are completed, new hardware will be made production and old hardware will be development
 - Working with FS personnel to plan the transition for the IBDB bus connection for connectivity to FS financial systems
 - Finalizing ISA/DEA w/ IBDB
 - Validate draft O&M charter
 - Initial contact by DOI FBMS to access data – awaiting ISA
 - FireCode maintenance contract ends December 31, 2008.
 - Planning is underway for transition of application support to the Business Applications Unit.

- **FIRES** (Fire Integrated Recruitment and Employment System) {Project Manager: John Noneman, PMP}
 - System normal

- **IQCS – Incident Qualifications and Certification System**
 - Draft Interconnection Plan for a one-way data transfer of medical standards data from Comprehensive Health Services (CHS) to IQCS is under development
 - Ongoing discussion is occurring in regards to the proposed Interagency Aviation Training (IAT) one-way data transfer to IQCS.
 - Initial phase discussions are occurring in regards to a proposed ROSS to IQCS transfer of experience data.
 - **Lifecycle Planning {Project Manager: John Noneman, PMP}**
 - Requesting validation of Support options from Oracle via Contracting Officer
 - Gathering original business requirements for potential analysis of new/alternate systems
 - Exploring options for Oracle dropping of PeopleSoft support in 2013, \$300K for planning requested for FY2009
 - **IQCS System Server Move {Project Manager: Michael Morgen}**
 - Implementation for system move from NITC to NIFC is ongoing
 - Acquisition of servers and other hardware required to facilitate the move is complete.
 - Server build is complete and transfer of the non-production environments is occurring.
 - Development of disaster recovery will occur in conjunction with other COO planning
 - Certification and Accreditation is pending completion of server move to NIFC.
- **JFSP - PRS (Joint Fire Science Project - Proposal Review System) {Project Manager: John Noneman, PMP}**
 - Business requirements analysis completed
 - Phase 1 completed (Proposal administration)
 - Phase 2 completed (Notification management)
 - Development system security scanning is being completed before release to production system
 - Phase 3 (Reporting) to be completed by June 30, 2008
- **RAWS Maintenance S/W (CMMS) {Project Manager: NIRMC}**
 - CMMS functioning for internal use only; still trying to optimize for general release
- **ROMAN (Real-time Observation Monitor and Analysis Network) {Project Manager: John Noneman, PMP }**
 - NWCG approved/funded to complete a business case for short and long term options
 - Exploring options for fall/winter 2008 completion of business case
- **Training Database - Competencies tracking {Project Manager: John Noneman, PMP}**
 - Design/build ongoing (.Net)
 - Training Group proposing to host outside NIFC
- **WFMI (Wildland Fire Management Information System) {Project Manager: Greg Jensen }**
 - Hardware refresh for production system completed in March 2008
 - Design for update of ARC/IMS component in progress with anticipated start of build in summer 2008
- **WildCAD (Wildland Computer Aided Dispatch) {BLM Project Manager: John Noneman, PMP}**
 - Support contract ends 2009 – need to work on replacement
 - Preparing for NWCG briefing to explore options and approval to complete a business case



National Park Service Fire and Aviation Management Information System

June, 2008
National System/Project Status

- **FFI** {Project Manager: Martha Isbister }

March 27, 2008 Version 1.02 released for use

Training: 4 in person workshops (100 participants), 18 online WebX training sessions (85+ participants). Participants include employees from USFS, DOI (NPS, BLM, BIA, FWS, USGS), Tribal, State and non-Gov't entities (TNC).

Distributing software and listing training classes on FFI FRAMES web site. Using Google Groups for FFI discussion site.

Promoting FFI by providing poster for Dept of the Army Forestry Conference, Fort Campbell, KY (May 6-8)

- **Incident Management Team IT Kit Standardization (Thin Client) Project** {Project Manager: Andy Trent - MTDC}

April 2008 NWCG approved funding for the first phase

Missoula Technology & Development Center (MTDC) is:

- developing standard testing protocols for hardware & software
- working with team to determine the components that require testing
- developing test plan for a field evaluation and conducting the field evaluation this summer
- testing various communication needs
- providing project coordination

Develop and document the standard kit configuration specifications

Develop and document the standard operating procedures for IMT IT network



Forest Service Fire and Aviation Management Information Systems



Phone: 1-800-253-5559

Email: fire_help@dms.nwcg.gov

June, 2008 National System/Project Status

- **AFF** (Aviation Flight Following) {Project Manager: Bob Roth}
 - Nothing new
- **AMIS** (Aviation Management Information System) {Project Manager: Brad Harwood}
 - The Aviation Business System has been implemented in all of the regions. All invoices that require payment are entered into ABS. All Forest Service aircraft must still be entered into AMIS. Plans are in place to allow Forest Service aircraft to be entered into ABS at which time AMIS will be discontinued.
 - F&AM will continue to provide support for AMIS and correct any problems. However, no changes or enhancements will be made.
 - The ABS data will be stored in the Data Warehouse and all aviation reports and queries will be done via the warehouse. The ABS source system has limited reporting functionality.
- **ARS** (Aviation Resource System)
 - The existing ARS system is being written to run under the FAMWEB suite of applications. ARS will be available for testing June 9th, 2008 on the FAMWEB test page.
- **AWSR** (Annual Wildfire State Reporting) {Project Manager: Brad Harwood}
 - Changes have been made to the FS-3100-8 report in AWSR to make it an official OMB form.
- **BehavePlus** (Fire Behavior) {Project Manager: Pat Andrews}
 - The Beta release of BehavePlus version 4.0 is now available on FireModels.org.
 - A summary of changes from version 3 to version 4 is on the Downloads page. New features and modeling capabilities have been added. A problem that occasionally caused very slow operation has been fixed.
 - Training material has been updated as part of a JFSP project. Additional lessons are being developed. They will be posted to the web site as they are completed.
 - Individuals who subscribe to FireModels.org News Items will receive an e-mail with new information that is added to the News page.
- **Dispatch Utilities** {Project Manager: Sue Petersen}
 - Nothing new

- **FAMWEB Applications (AWSR, AMIS, FIRESTAT)** {Project Manager: Brad Harwood}
 - The new FAMWEB home page is available at <http://fam.nwcg.gov/fam-web/>. The trailing “/” is required. Note this url is different from the previous one which was <http://famweb.nwcg.gov>
 - The FAMWEB test page is available at <http://famtest.nwcg.gov/fam-web/>.
 - The FAMWEB security module has been changed to utilize a Lightweight Directory Access Protocol (LDAP), which will provide a single sign on for AWSR, AMIS, FIRESTAT, ARS and the warehouse. This change has been applied to the FAMWEB test page and will be applied to production by July 1st, 2008.

- **FAMWEB Data Warehouse** {Project Manager: Brad Harwood}
 - Science Applications International Corp (SAIC) delivered V2.2 of the FAMWEB Data Warehouse to the Forest Service on April 23, 2008. This version contains the changes to the Aviation Business System (ABS) portion of the warehouse.
 - SAIC has installed V2.2 at NITC but is still working on a few problems and some performance tuning.
 - The warehouse has been released to a limited group of users to help with initial testing. Once this testing is complete we will release it to a larger user group for user acceptance training.
 - Formal training will commence once the user acceptance testing has finished. Details about the training (location, dates, etc.) have yet to be determined. If any region would like to host a training session please contact Brad Harwood at 208-387-5289. This is a great opportunity for users in your region to learn how to use the new GIS tool, build customized queries and analyze fire/weather data.

- **FEPMIS** (Federal Excess Property Management Information System) {Project Mgr: Brad Harwood}
 - The re-design of FEPMIS is currently underway and is expected to be complete in the fall of 2008.

- **FireFamily Plus – FFP** (Fire and Weather Analysis) {Project Manager: Larry Bradshaw}
 - **Beta 3** test version of version 4.0 is available on the Firemodels.org [downloads](#) page. This version was tested at the Advanced NFDRS class at NAFRI in February. Work is progressing for the Candidate Release Version which will be sent to IRM for release testing on July 10th.
 - Be sure to get the quick start document that describes new and different features.
 - Individuals who subscribe to FireModels.org News Items will receive an e-mail with new information that is added to the News page.

- **FIRESTAT** (Fire Statistics) {Project Manager: Brad Harwood}
 - The PCHA upload process is in the final stages of testing. We hope to have a full test upload done by June 13th, 2008 and the update run in production shortly after that date.
 - To prevent users from updating fire records that may be changed by the PCHA upload we have added a restriction in FIRESTAT that prevents users from updating fire records prior to 2007. Once the PCHA upload is complete the restriction will be removed and users will be able to correct all fire occurrence records.
 - Work is underway to develop an enterable electronic version of the FS-5100-29 form using FORMATTA. This will allow users to enter fire records without being logged into FIRESTAT or connected to the network. The data entered through the form can then be uploaded into FIRESTAT.

- **FIRESTAT** (Fire Statistics) - continued
 - Several new fields are being added to FIRESTAT and will be available in production July 1st, 2008. The new fields are:
 - Is the fire part of a complex?
 - Did the fire burn in a WUI?
 - Acres burned in a WUI
 - Number of Residences Destroyed
 - Number of Other Structures Destroyed
- **FPA** (Fire Program Analysis) {Project Manager: Dan Keller}
 - Nothing new.
- **GIS** (Geospatial Information Systems) {Project Manager: Joe Frost}
 - Nothing new.
- **IBA** (Incident-Based Automation) {Proj Mgr: Jon Skeels}
 - ISUITE - Current release is 7.01.10.
 - ISUITE Release 8.01.01 will be available in late May 2008.
 - IBA – Infrastructure - The Infrastructure CWN Leasing Contract Statement of Work review is complete. Work to put the solicitation on the street in underway. Award is anticipated sometime late summer.
 - IBA – Business / Data Modeling – The IBA Business and Data Modeling contract work is complete. Briefings to NWCG working Teams and the PMO have occurred. The deliverable and recommendation development phase will begin soon. It is anticipated that recommendations will be presented in late summer.
 - IBA – Enterprise I-Suite (eI-Suite) – Work on the eI-Suite Application continues through the requirements and technical design stage. Release of this application is slated for 2009.
 - Check the website for more information (<http://isuite.nwcg.gov>).
- **ICBS** (Interagency Cache Business System – Legacy) {Project Manager: Brad Harwood}
 - Will be replaced in the spring of 2008 by ICBS-R being developed by Manugistics.
 - F&AM will continue to provide support for ICBS; however, no changes or enhancements will be made.
- **ICBS-R** (Interagency Cache Business System Re-Engineering) {Project Manager: Andy Gray/Jon Skeels}
 - The re-engineered ICBS system is now in production at NITC
 - In late April the Rocky Mountain Cache in Denver came on board. The Prescott, AZ and London, KY caches are next in the queue
 - User support is provided by "Interagency Helpdesk Services," which also supports ROSS, DMS, I-Suite, EaTIS and ABS (Note: the "Fire Applications Support Desk" will continue to support the legacy ICBS)
 - This year, some caches will be on the legacy ICBS while others transition to the new system
 - An interface with ROSS is scheduled for deployment in June. This first interface will just involve the NFES catalog
 - Flint Cheney and Steve Simon have been working with the FS Network Support Staff and local IRM specialists to install WLANs and program scanning guns in caches in several regions. Any Regional IRM specialists who are interested in getting involved in this technology would probably be welcomed

- **InciWeb** (Centralized Public Incident Information Sharing) {Project Manager: Sue Petersen}
 - Designing & Setting up new environment at NITC to support increased use and availability. No date for implementation.
- **KCFAST** (Fire Data and Reports Retrieval) {Project Manager: Sue Petersen}
 - Nothing new
- **LANDFIRE** {Project Manager: Bruce Jeske}
 - Are in the latter stages of production in LF National East milestone.
 - Of the 67 map zones in the lower 48 states, 51 have been completed.
 - All remaining map zones have been started and are in various stages of completion for incremental delivery.
 - Operation and Maintenance Plans have been approved by the Executive Oversight Committee and transmitted to LF project sponsoring agencies and bureaus.
 - LF data are being used for a wide variety of purposes at national or regional scale. Data application case studies are available on the LF website.
 - LF data and were used, or modified with locally relevant data, as inputs to WFDSS on over 150 wildland fire incidents this past season.
 - The project has begun the early stages of the Alaska milestone and is making strategic plans for how to best complete Alaska and Hawaii with the time and funding remaining in the project.
 - Initial Operations and Maintenance activities have begun with a Rapid Refresh process. The RR updates western map zones to use more current imagery and incorporates some recent disturbances into the data. The RR delivery dates have been closely coordinated with FPA schedule.
 - Other Operations and Maintenance activities include progress on the long term Refresh procedures and Southeast update. These efforts insure that LF data from all areas of the USA are updated.
 - Data distribution and technical transfer activities continue to be provided. The project gets good feedback on data distribution activities.
- **NESS** (FAM - National Enterprise Support Services) Project {Project Manager: Joe Frost}
 - Keri Vest will take over management of NESS on 6/1/2008 for 120 days
 - New equipment being installed
 - Replaced 2 end of life switches with hi end Cisco Switches (should see an improvement in in response time.
- **PCHA** (PC Historic Analysis) {Project Manager: Keri Vest}
 - Nothing new.
- **ROSS** (Resource Ordering & Status) {Project Manager: Jon Skeels}
 - ROSS – Current release is 2.7.0.24.
 - Testing of version 2.8 is in full swing. Deployment is planned for mid-June. Major components include: ICBS-R Data Exchange for Catalog, Incidents; Cognos Query Studio, and solutions to many Change Requests.
 - Check the website for more information (<http://ross.nwcg.gov>)
- **SitReport/209** (Incident Information Reporting) {Project Manager: Faye Chandler}
 - Security contingency training for NICC & GACC Intel Officers completed
 - Continuing C&A Phase II

- **WFAS** (Wildland Fire Assessment System) {Project Manager: Matt Jolly}
 - Nothing new

- **WFDSS** (Wildland Fire Decision-Support System) {Project Manager: Dan Keller}
 - Nothing new.

- WIMS** (Weather Information Management System) {Project Manager: Jeff Barnes}
- Updating Test Procedures and Test Plan for application testing.
 - Version 1.1.7 release date June 15, 2009
 - WIMS Change Board is compiling priority SPR for next version release.
 - Testing RAWS and NWS java gateway version.
 - Testing new database structure.
 - New user guide and training packages will be completed by end of summer.
 - Developing new dashboard to include fw9 export function.
 - Additional NWS forecasting offices have been added.

Appendix A – Glossary of Terms

A-11	A circular issued by the Office of Management and Budget (OMB). Circulars are instructions or information issued by OMB to Federal agencies. These are expected to have a continuing effect of two years or more.
ASCADS	Automated Sorting, Conversion, and Distribution System
BLM	Bureau of Land Management
C&A	Certification and Accreditation
COO	Continuity of Operations
CPIC	Capital Planning and Investment Control
DOI	Department of Interior
ESB	An enterprise service bus (ESB) refers to a <u>software architecture</u> construct, implemented by technologies found in a category of <u>middleware infrastructure</u> products usually based on standards, that provides foundational services for more complex architectures via an event-driven and standards-based messaging engine (the bus). An ESB generally provides an abstraction layer on top of an implementation of an <u>enterprise messaging system</u> which allows integration architects to exploit the value of messaging without writing code.
FBMS	Financial and Business Management System (DOI)
FIPS	Federal Information Processing Standards (FIPS) are publicly announced <u>standards</u> developed by the <u>United States Federal government</u> for use by all non-military government agencies and by government contractors. Many FIPS standards are modified versions of standards used in the wider community (<u>ANSI</u> , <u>IEEE</u> , <u>ISO</u> , etc.)
FIRES	Fire Integrated Recruitment and Employment System
FireCode	(http://firecode.gov)
FORS	Fire Occurrence and Reporting System Study
FPA	Fire Program Analysis System (http://fpa.nwcg.gov)
FTP	The <i>File Transfer Protocol</i> is the <u>protocol</u> for exchanging <u>files</u> over the <u>Internet</u> . FTP works in the same way as <u>HTTP</u> for transferring <u>Web</u> pages from a <u>server</u> to a user's browser and <u>SMTP</u> for transferring <u>electronic mail</u> across the Internet in that, like these technologies, FTP uses the Internet's <u>TCP/IP</u> protocols to enable <u>data</u> transfer.

HSPD-12 PIV 1	Homeland Security Presidential Directive 12 PIV-1 – is the Federal Policy for a Common Identification Standard for Federal Employees and Contractors.
HTTPS	https is a <u>URI scheme</u> which is syntactically identical to the Hypertext Transfer Protocol (http) : scheme normally used for accessing resources using <u>HTTP</u> , except that measures to assure a secure connection are implemented.
IBDB	Incident Business Data Base is a USFS Financial Management Improvement Project (FMIP) initiative.
ICBS-R	Interagency Cache Business System Re-engineering Project
IQCS	Incident Qualification and Certification System (http://iqcs.nwcg.gov)
ISA	Interconnection Security Agreement
JFSP	Joint Fire Science Project (http://www.firescience.gov)
NAFRI	National Advanced Fire and Resource Institute
NIFC	National Interagency Fire Center. Located in Boise, ID.
NIST	National Institute of Standards and Technology
NITC	National Information Technology Center. Located in Kansas City, MO.
NWCG	National Wildfire Coordinating Group
OMB	Office of Management and Budget

RAWS	Remote Access Weather Station – Program Office located at NIFC
ROMAN	Real-time Observation Monitor and Analysis Network (http://raws.wrh.noaa.gov/roman)
ROSS	Resource Ordering and Status System (http://ross.nwcg.gov)
USDA	United States Department of Agriculture
WFMI	Wildland Fire Management Information system (http://www.nifc.blm.gov)
WildCAD	Wildland Computer Aided Dispatch System