

# WILDLAND FIRE DECISION SUPPORT SYSTEM (WFDSS) – NEXT GENERATION



*Project Status  
Update  
April 2020*



# CURRENT ACTIVITIES

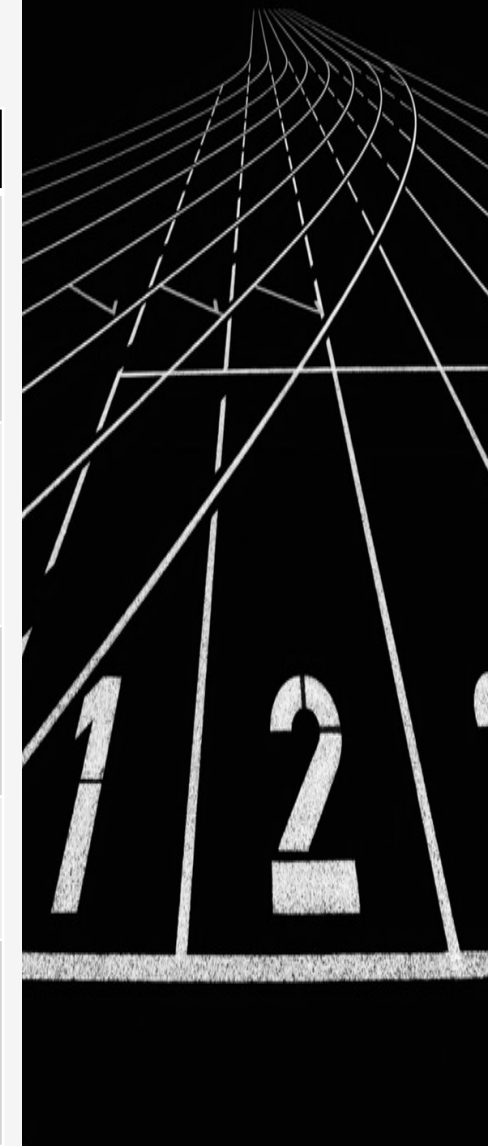
- *Due to a delay in obtaining a development environment, the production roll out has been delayed until November 2021. This will increase costs (~\$1.5M) for both the current WFDSS application O&M and the WFDSS NextGen development efforts.*
- *Update in April – still no hosting environment. Conversations and meetings continue weekly with Forest Service CIO.*
- The Product Owners continue to work with the Business Analyst and UX/UI Designer gathering business requirements and learning about the current system.
  - With the impact of Covid-19, meetings are occurring every morning M-Th at 8am mountain.
- FAM-IM and CIO EAD working with the development team on authentication specifics with FAM Auth and the NAP application.
- DOI – OWF still actively recruiting for a long term detailer into the DOI Product Owner vacancy.
- [User Groups](#) have been established and work has begun.



# RISKS AND CHALLENGES

*Most relevant risks and challenges.*

Title	Description	Rating	Mitigation Plan
<b>Provisioning a Hosting Environment</b>	WFDSS NextGen development team is quickly approaching the time needed to have a development environment provisioned in order to keep development momentum.	HIGH	The production roll out timeline will be pushed from April 2021 to November 2021. This will increase the project costs and O&M costs for the current WFDSS application (~\$1.5M). A new project timeline has been created and included below. We are also looking into alternative plans if this delay continues.
<b>Active DOI Participation</b>	The WFDSS next gen project is currently lacking a full time dedicated representative from DOI that participates in the project on a daily basis. This position would be the DOI Product Owner dedicated to the project 100% for the next 2 years.	HIGH	Previously this position came without out funding. OWF is now looking into finding funds for this position, as well as request outyear funds.
<b>COVID-19 Mitigations</b>	In the wake of COVID-19 mitigations, there is concern for the availability of project team members and impact it could have on the momentum of the project.	MED	The team is adjusting the daily schedule to allow team members to maintain connection on the project and tend to other activities as a result of COVID-19. The team will evaluate progress and impacts on a weekly basis.
<b>Navigating the changes in USDA technology services</b>	Understanding what roles each the changing organizations take. Working closely with FAM-IM and Forest Service CIO EAD groups to help define which group manages what.	MED	Following FAM and CIO leadership conversations as these roles and responsibilities are defined.
<b>Coordination with FAM Auth/NAP</b>	FAM-IM determined WFDSS NextGen will utilize the user authentication through the NAP application as a go between to FAM Auth. We are currently waiting on contracting to be established before we engage the two development teams.	MED	Working on other priorities while we wait for the contracting action to complete.



# PROJECT BUDGET

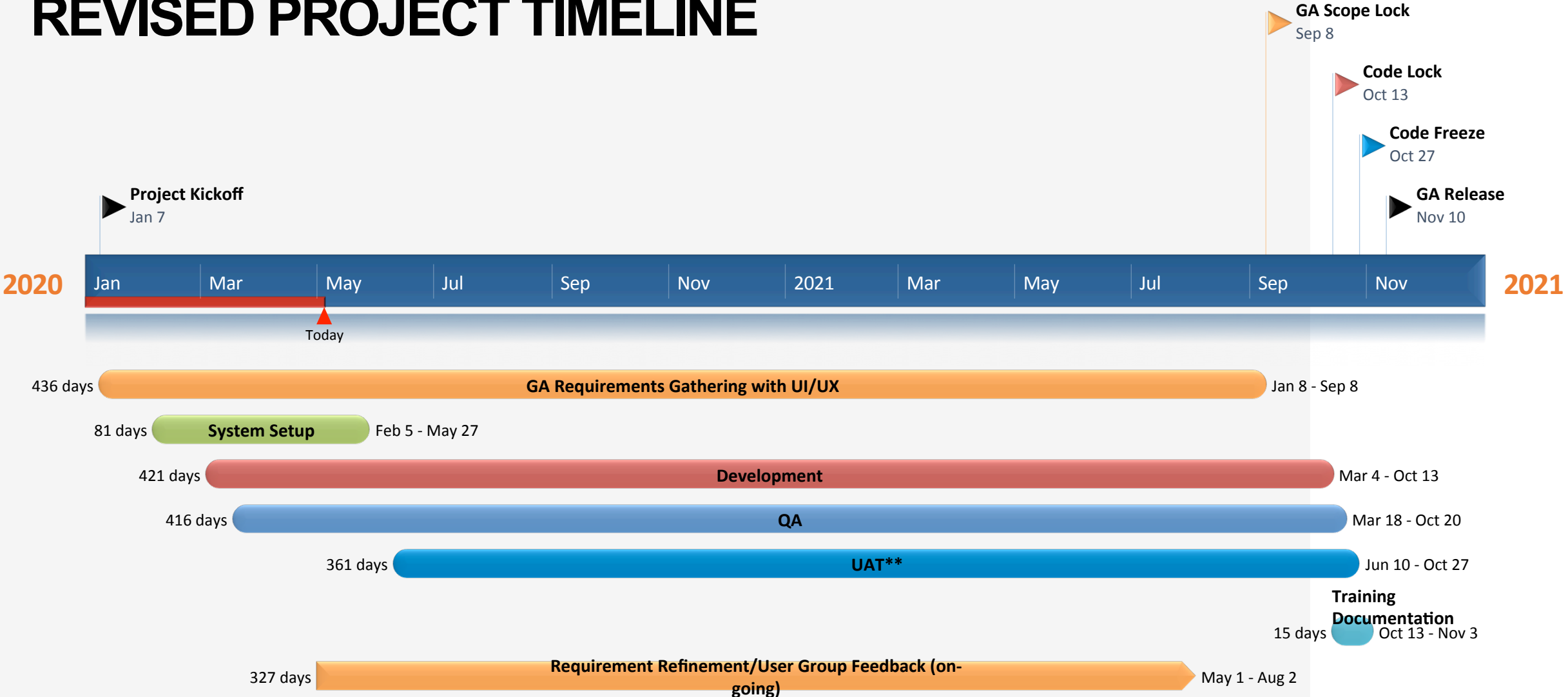


Tasks	Estimated Hours	Estimated Costs	Actual Costs	Remaining Balance
Architecture and Planning	560	\$63,560	\$37,323	\$26,237
System Setup	300	\$39,040	\$165,525	*( <b>\$126,485</b> )
GIS Migration	180	\$16,500	\$11,035	\$5,465
RDB Migration	400	\$43,280	\$56,752	( <b>\$13,472</b> )
UI Implementation	6200	\$657,120	\$86,005	\$571,115
System Interfaces	1980	\$201,740	\$116,656	\$85,084
Utilities	2160	\$220,080	\$11,035	\$209,045
Rollout and Documentation	1680	\$168,560	\$0	\$168,560
Section 508 Compliance Testing	480	\$40,800	\$0	\$40,800
Management and Administrative Activities	1350	\$156,150	\$119,937	\$36,213
Management Reserve	N/A	\$160,683	\$0	\$160,683
<b>Total Estimated Costs</b>	<b>15,290</b>	<b>\$1,767,513</b>	<b>\$604,267</b>	<b>\$1,163,246</b>

*\*The overage for System Setup is due to delays in selecting the technologies, unclear direction on how to obtain a hosting environment and delay in obtaining a subscription for Azure Cloud Environment.*



# REVISED PROJECT TIMELINE



# PROJECT TIMELINE DEFINITIONS

Milestone	Definition
System Setup	Setting up the technical aspects of the project
Requirements Gathering with UI/UX	Discussing requirement needs with stakeholders
Development	Development of the stories
QA	Testing the code in the test environment
UAT**	Incorporating user feedback and getting sign-off ** this start date is contingent on a move to Azure and getting a UAT environment available there.
GA Scope Lock	No additional scope added to the backlog for GA release
Code Lock	No new stories deployed, only critical fixes
Training Documentation	Creating Train the Trainer documentation
Code Freeze	Pencils down, don't touch the code
GA Release	Code is in the production environment available to all users



# PROJECT SCOPE

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- Modernized technology and workflows to support efficient incident decision publication.
- Promote Cloud adoption
- Agile software development method
- Supports the goals and objectives of the federal fire policy and continues to support Public Law 116-9 (Dingell Act), Section 1114(e)(1) as appropriate.
- Major enhancements and new functionality are out of scope for this initial phase of the project.

# PROJECT TEAM

**Executive Sponsor:** U.S Forest Service Director of Fire and Aviation (FAM) and Department of Interior Director of Office of Wildland Fire (OWF) - Provide funding for the project and facilitate interagency communications.

**Owners:** System Owners and Application Owners with Forest Service FAM and Department of Interior OWF - Provide direction regarding business strategy and overall project vision and provide guidance on high-level business requirements.

**Business Lead:** For the purpose of this project, we are delegating the responsibilities and tasks to the Product Owner position to align with the Agile Software Development method being used for this application.

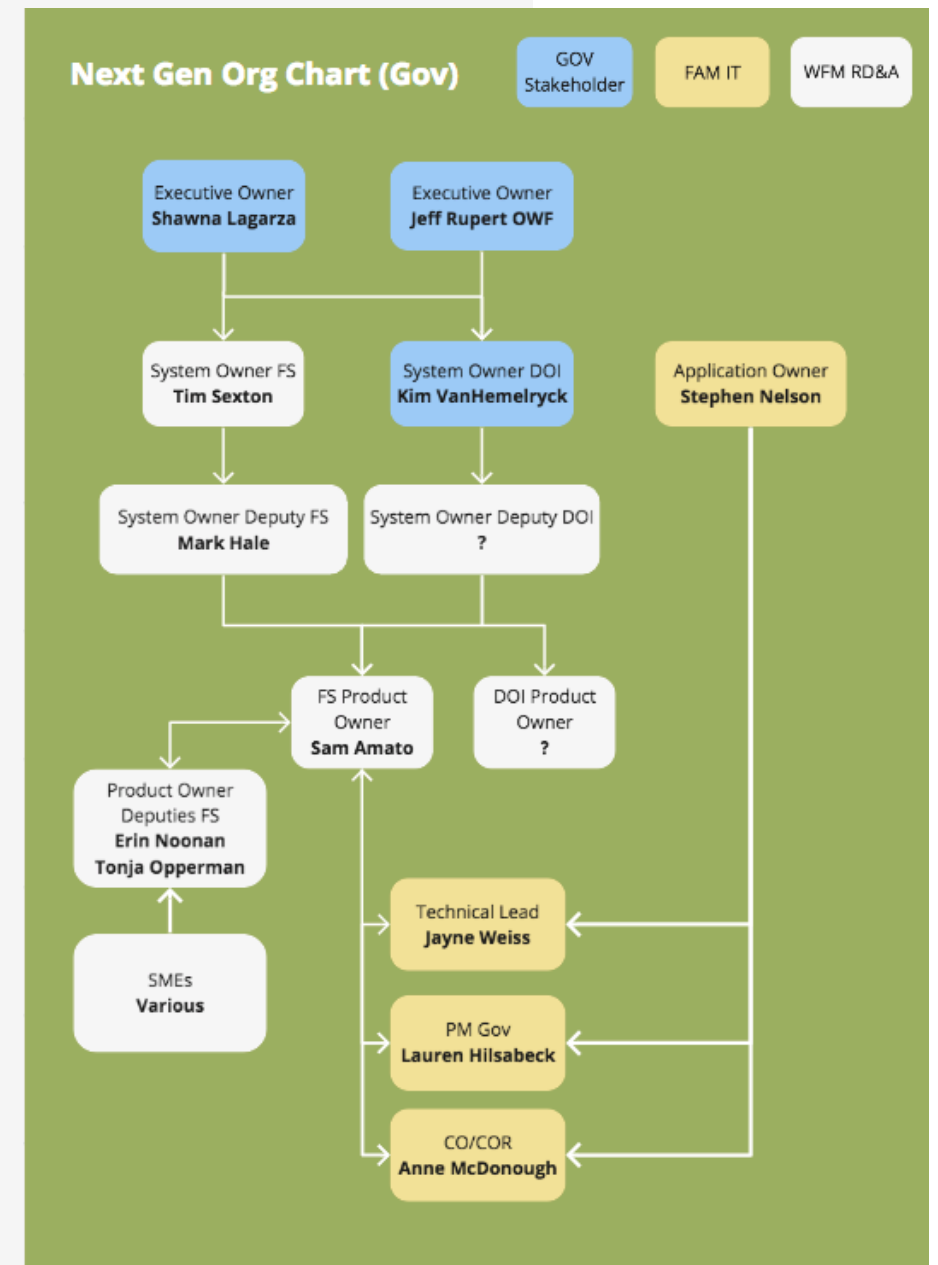
**Product Owners:** Responsible for providing daily oversight, guidance, priorities and direction of WFDSS next gen development, deployment, and operations and maintenance.

**Project Manager:** Forest Service Fire and Aviation Management (FAM) – responsible for all the daily success of the project; maintains clear communication with all members of the project team.

**Subject Matter Experts:** It will be necessary to involve subject matter experts in the requirements gathering, evaluation and testing of WFDSS application and provide additional users' perspective. At a minimum Subject Matter Experts will be required to represent their respective agencies in daily fire management activities, communicate relevant business and issues and provide input on specific areas of expertise within key incident business areas.

**Development Team:** USDA – OCIO Enterprise Architecture Service (EAS) - Provide key positions to support the application development of the WFDSS Next Gen project. Key positions include: Project Manager, Scrum master; Business Analyst; UX/UI Designer; Lead Developer; Architect; GIS Developer.

*\*More detailed information about each of these project team members can be located in the Project Charter.*





# FOR ADDITIONAL INFORMATION

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