

NWCG IT Capability Requirements

January 2022

NWCG Committee / Group	IT Capability Requirement	WFIT Application Lifecycle Stage
NCSC	<p>Fair Share Cost Analysis capability. A standard process to assess workload and budget for dispatch / coordination centers.</p> <p>Identified as high priority by the NCSC and the IDIP study. Work of a task team supported by NWCG (March 2018) and FMB (April 2018). See project initiation request and draft tasking for more information</p>	Idea
RMC	<p>Risk management capabilities, related to safety reporting. Resolve overlaps, gaps, and inconsistencies. Need to define requirements.</p> <p>SAFENET Improvements: correcting some language on the website, trying to streamline our posting process and make the “outputs” more useful for RMC to identify emerging issues and trends.</p>	Idea
IFPC	<p>Fire planning capabilities.</p> <p>See 3 gaps defined, October 2017, updated January 2022.</p>	Idea
ETC	Radio use and management capabilities	Idea
FENC	<p>National preparedness capabilities</p> <p>Integrate NFDRS2016 with other fire management decision support tools into a single national wildland fire preparedness and response decision support capability</p>	Idea
FENC / NCSC	<p>Predictive services capabilities.</p> <p>See Phase One report, June 2017. FMB Tasking Phase Two is in progress.</p>	Idea
FENC	<p>Fire weather information management capabilities.</p> <p>See 18 gaps defined, May 2017.</p> <p>(1) BigFire in Idea phase, pursuing NASA grant</p> <p>(2) WindNinja - Microscale wind modeling addressing 7 of the 18 gaps. Currently embedded in WFDSS, IFTDSS, and FlamMap. See support letter and project initiation request for more information.</p> <p>(3) WIMS and WFMI collaboration.</p>	(1) Idea
		(2) Concept
FMC	<p>Fuels Management reporting capabilities.</p> <p>NFPORS is expiring, leaving a gap in the need to produce joint accomplishment reporting</p>	Development
IPSC / TDP	Ability to provide materials and capabilities for successful training development and delivery via the Wildland Fire Learning Portal (LMS).	Development (WFLP)
DMC	<p>Data integration services, with focus on a “data cache.”</p> <p>See NWCG Data Management Strategy, WFIT Data Cache Requirements Document, IFDC Alternatives Analysis, and DMC Recommendations for Data Cache.</p> <p>DMC is evaluating the use of EDG as the tool to support a Data Cache.</p>	Development

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IPSC/TDP	<p>Ability to share and manipulate common data across multiple NWCG products (e.g., PSAT, IPD, PTBs, 310-1, training materials).</p> <p>Ability to manage position standards change processes to include a flow functionality with multiple levels of approvals natively integrated.</p>	Development: EDG
DMC: FRSC	<p>Fire reporting capability requirements to support FMB's vision of one event/one report.</p> <p>See 19 gaps defined, May 2017.</p>	Operation & Maintenance: INFORM
NCSC	<p>Resource mobilization capabilities.</p> <p>See IROC Talking Points</p>	Operation & Maintenance: IROC
FMC	<p>Fuels management capabilities.</p> <p>See 6 gaps defined, October 2017, updated January 2022 See 38 applications evaluated, October 2017.</p>	Development IFT-DSS & FTEM