

# Lab Agenda Roadmap

2023 Update

The Laboratory Agenda provides a structured framework that identifies the strategic objectives, critical outcomes, near-term R&D, and production and mission-support activities needed to accomplish our mission.



## Simultaneous Excellence

- Nuclear Security
- Mission-Focused Science, Technology, and Engineering
- Mission Operations
- Community Relations

## Strategic Objectives

### Nuclear Deterrent

Lead the nation in evaluating, developing, and ensuring effectiveness of our nuclear deterrent, including the design, production, and certification of current and future nuclear weapons.

### Threat Reduction

Anticipate persistent and emerging threats to global security; develop and deploy revolutionary tools to detect, deter, and respond proactively.

### Technical Leadership

Deliver scientific discoveries and technical breakthroughs to advance relevant research frontiers and anticipate emerging national security risks.

### Trustworthy Operations

Consistently demonstrate and be recognized by diverse stakeholders for trusted and trustworthy operations.

## Deliverables

	WCCR operational							
	CD-1, LAMP							
	CD-2,3 LAP4 30R							
	Achieve first pit production unit							
	1st experiment Pu at pRad							
	Deliver a technically mature & manufacturable initiation system (2023-2024)							
	Demonstrate the capabilities of the Lab's next-generation code project on El Capitan							
	Start delivery of two USNDS GBD-IIIF payloads per year							
	Reach NASA/RPS milestone of 10-15 fueled clad sources per year							
	Procure & deploy Venado							
	Develop manufacturing & supporting technologies for DU & EU							
	CINT triennial review							
	CD-0, LAMP							
	CD-0, RACR							
	CD-1, EPCU							
	CD-2,3, CMRR PEI2							
	Advanced understanding of primaries/aging level 1 milestone							
	CD-4, TLW by the end of FY26							
	Low-level waste disposal facilities in service							
	ECSE accelerator project complete							
	Next generation HPC facility and infrastructure to meet ASC ATS-7 deployment timeframes							
	Alternate materials level 1 milestone							
	CD-2,3, LAMP							
	CD-4, TLW							
	Scorpius experiments to support stewardship							
	Pajarito corridor infrastructure investments complete							
	CD-4, LAMP							
	CD-4, EPCU							

2023      2024      2025      2026      2027      2028      2030 →

Culture Enhancement | Force for Good | Operational Capacity

### Mission

To solve national security challenges through simultaneous excellence.

### Vision

To be trusted by our nation, emulated by our peers, and respected by the world.

### Culture

How we do our work is as important as what we do.

## Our Values

### Service

Serving our nation, our partners, our community, and each other.

### Integrity

Demonstrating honesty, ethical conduct, accountable stewardship, and individual responsibility.

### Teamwork

Achieving our best by respecting diverse opinions and backgrounds, exploring alternatives, and collaborating with colleagues and partners.

### Excellence

Ensuring safe and secure mission delivery in nuclear security; science, technology, and engineering; operations; and community relations.