

# Software Development Playbooks



Leidos' Software Development Playbooks provide complimentary "big picture" information and "how-to" guidance facilitating the use of our proven EngineeringEdge® NextGen processes to successfully develop our customer's product(s) and satisfy their needs. Playbooks essentially enable our program staff to "hit the ground running," thus providing significant benefit to our customers. They increase program management efficiency, decrease program time and cost, reduce execution risks, and streamline solution delivery.

## OUR APPROACH

Designed to address the entire scope of project execution processes, Playbooks offer program managers and software engineers information on how program-required software development processes (e.g., Scrum, SAFe) are integrated and performed with other EngineeringEdge® NextGen program processes (e.g., project planning, project oversight, system engineering, quality assurance). Additionally, they provide complementary information to our standard EngineeringEdge® NextGen processes to facilitate a better understanding of the intent of our processes on our programs. Experience has shown us that providing this type of "glue" gives us significant advantages over how processes are implemented traditionally.

The Playbook approach has two organizing elements: 1) Playbooks and 2) Plays. Each Playbook provides the overall structure and interrelationships (via hierarchical and/or dataflow diagrams) for how to implement Leidos' EngineeringEdge® NextGen processes, identifies pertinent processes from our NextGen library, and includes lower-level Playbooks and Plays that provide the practical instructions to execute projects. Plays provide two items: 1) a set of key questions, and 2) one or more checklists which contain a set of process steps to be executed with implementing Leidos' standard processes. The questions play an important role by making sure that all of the key items have been addressed before and during the execution of the Play. Plays may also contain pertinent diagrams and/or roadmaps to aid in process implementation.

## The Leidos Software Development Playbooks:

- ▶ Enable our program managers to plan for, initiate, and achieve steady-state on programs quickly and efficiently. In other words, they minimize program startup time, which enables us to better support our customers.
- ▶ Enable our software engineers to "come up to speed" with required software-related program processes quickly and efficiently. This also helps us to quickly support our customer's needs.
- ▶ Increases management's efficiency making critical process decisions by leveraging best practices from past projects with highly similar business requirements.
- ▶ Improves program quality and efficiency through a better understanding of required project processes and by incorporating lessons learned from previous programs.
- ▶ Greatly facilitates a standard and repeatable process on projects, thus improving the accuracy of process execution.

## FEATURES AND BENEFITS

KEY FEATURES	BENEFITS
<ul style="list-style-type: none"><li>▶ Provides program staff information on how specific software development processes are integrated and performed with respect to other standard EngineeringEdge® NextGen processes.</li><li>▶ Provides complementary and user-friendly information in support of standard processes that enable a greater understanding of the intent of standard processes and integration of previous lessons learned.</li><li>▶ Integrates the latest in lessons learned from prior programs.</li></ul>	<ul style="list-style-type: none"><li>▶ Enables program teams to reduce and minimize program startup, enabling Leidos teams to begin to support our customers quickly.</li><li>▶ Enables a better interpretation of the standard processes which promotes product quality.</li><li>▶ Facilitates new personnel in coming up to speed quickly with Leidos standard processes.</li></ul>
<ul style="list-style-type: none"><li>▶ Provides standardized and repeatable processes for project managers (PMs), engineers, and other project personnel to follow.</li><li>▶ Provides rationale and explanations for guidelines.</li></ul>	<ul style="list-style-type: none"><li>▶ Improves/ensures product quality.</li><li>▶ Leverages best practices to reduce risk.</li><li>▶ Reduces time spent on discovery and troubleshooting activities.</li><li>▶ Supports Quality Assurance activities on programs.</li></ul>
<ul style="list-style-type: none"><li>▶ Provides immediate availability to Leidos employees (e.g., proposal writers, account representatives) in Confluence.</li><li>▶ Provides information that addresses a wide variety of industry challenges (e.g., how system engineering is integrated with Agile methodology).</li></ul>	<ul style="list-style-type: none"><li>▶ Drives greater efficiency and quality for PMs and project engineers.</li><li>▶ Ensures that hard problems get solved appropriately.</li><li>▶ Improves positioning for additional customer work and on-contract growth.</li></ul>
<ul style="list-style-type: none"><li>▶ Designed to be easily navigable and searchable in terms of locating process assets.</li></ul>	<ul style="list-style-type: none"><li>▶ Allows program personnel to understand the “big picture” view of how software, technical, and programmatic processes are integrated and performed.</li><li>▶ Promotes more efficient process access and process conformity.</li></ul>

## WHY PARTNER WITH LEIDOS?

Our customers are faced with the need to develop new software systems and/or update legacy software with less and less resources with which to do it. Leidos program use of Software Development Playbooks significantly reduces the time it takes for program teams to plan for, initiate, and achieve steady-state on programs. Leidos teams essentially can “hit the ground running,” thus better supporting our customer’s needs. The Playbook approach helps program teams to minimize program time and cost, reduce execution risks, and streamline solution delivery.

## NEXT STEPS

Contact our software development experts to discuss your next software development and/or IT modernization project.

## FOR MORE INFORMATION

[leidos.com/secure-devops](https://leidos.com/secure-devops) | [leidos.com/contact](https://leidos.com/contact)