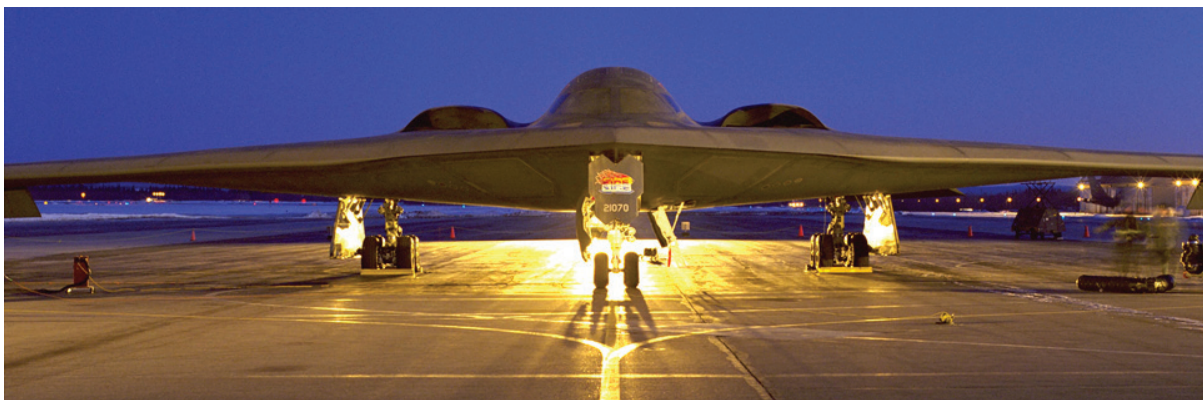




Life Cycle Logistics and Support



B-2 Spirit Bomber

LIFE CYCLE LOGISTICS AND SUPPORT

Issue

The Warfighter is the end user of our systems. It is those soldiers, sailors, airmen and marines whose lives and missions depend on the performance of our products. These products must be lethal and reliable because our young men and women depend on them to be the single difference between life and death – victory and defeat. To achieve that end state, we are committed to partnering within industry and our customers to deliver our products to be sustainable and affordable throughout their life cycles.

Solution

To meet our customers’ challenges, Northrop Grumman Aerospace Systems provides total life cycle support for our products to ensure they are reliable, affordable and available when needed. In Life Cycle Logistics and Support (LCLS), we anticipate customer needs through the entire life cycle— from front-end, customer-influenced design to integrated product development, streamlined product delivery, effective transition to the field and affordable sustainment.

We commit to provide all logistics engineering and product support personnel, processes and tools required to:

- Develop support system strategy and plans,
- Influence front-end design for supportability,
- Ensure manufacturing synergy,
- Develop and deliver logistics elements, and
- Support systems after delivery.

With Northrop Grumman’s long track record in the industry, we excel at getting close to our customers and offering innovative fleet management, performance based logistics and real-time battlefield health data. We deliver “Quantum Readiness” that enables us to develop and deliver highly reliable and maintainable systems plus integrated support to reduce total ownership costs.

Discriminators

LCLS brings world-class capabilities in partnership with our customers to meet demanding 21st century security challenges.

- We deliver *Quantum Readiness* tailored to customer needs, which influence the design of our products to optimize supportability and affordability.
- Our approach throughout the total life cycle of our programs ensures reliability, maintainability, and availability needed for mission requirements.



X-47B UCAS (Unmanned Combat Air System)

- Because numerous members of our LCLS leadership team once were Northrop Grumman customers who depended on our products to meet their warfighter needs, we are deeply committed to and focused on providing value-added capabilities in fully partnered customer relationships.
- We not only offer, but deliver innovative fleet management, performance based logistics, and real-time, battlefield system health data.

Quantum Readiness at Every Point in a Product's Life Cycle

Our *Quantum Readiness* defines the “particular amount of” readiness delivered to the customer via a partnered logistics infrastructure. Key elements of this strategy include information-system technology and architecture, an enterprise approach to enterprise partnership with our key suppliers for development, production and sustainment synergies to enable affordable modernization and continuous improvement throughout the life cycle.

LCLS' *Quantum Readiness* will:

- Engage our customers early in the life cycle to capture the benefits and understand the tradeoffs between the acquisition, production, and sustainment environments;

- Utilize unique modeling and simulation techniques as a discriminating capability to balance a total life-cycle focus with today's needs and tomorrow's challenges; and
- Partner with the customer in an enterprise view and deliver the right amount of readiness to meet customer requirements for operational effectiveness, suitability and supportability.

Quantum Readiness leverages lessons learned as well as the vast experience gained from our legacy systems—such as the B-2 stealth bomber, the Joint Surveillance Target Attack Radar System (Joint STARS) and the E-2 Hawkeye—to provide our customers with the highest quality support in:

- Increased reliability, maintainability, and supportability;
- Comprehensive, transparent solutions exceeding customer expectations;
- Reduced total ownership cost; and
- Total asset visibility.

These basic characteristics of LCLS demonstrate that Northrop Grumman is committed to delivering top-quality performance in a timely manner aimed at supporting the warfighter.



E-2D Advanced Hawkeye

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