

Aerospace & Defense Priority on Quality

A Focus on Advancing Quality Aligned with the Future Vision of Space

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THE FUTURE OF WORK



The Future of Work Lockheed Martin YouTube Channel

https://www.youtube.com/watch?v=v-Kgl-I0MOc

Lockheed Martin: Your Mission Is Ours





AERONAUTICS

- Tactical Fighters
- Tactical /Strategic Airlift
- Advanced Development
- Sustainment Operations

MISSILES AND FIRE CONTROL

- Air and Missile Defense
- Tactical Missiles
- Fire Control
- Combat Maneuver Systems
- Energy





- Naval Combat Systems
- Radar and Surveillance Systems
- Aviation Systems
- Training and Logistics Solutions
- DOD Cyber Security

SPACE SYSTEMS

- Surveillance and Navigation
- Global Communications
- Human Space Flight
- Strategic and Defensive Systems
- Strategic / Operational Command & Control Systems



Vital and Visionary in Space

- More than 65% of GPS satellites in orbit today
- First successful hit-to-kill missile intercept
- 11 Mars-bound spacecraft, four successful landers
- Supported exploration of every planet in the solar system
- Both of NOAA's geostationary weather satellites
- Hubble and Spitzer space telescopes
- First photoreconnaissance satellite
- First 3D printed parts in deep space



WE DO SPACE



We Do Space Lockheed Martin YouTube Channel:

https://www.youtube.com/watch?v=fOlgTm7x2n0



Planning and Design
Supply Chain
Data Analytics
Digital Thread
Cyber Security
Talent



"We must be more flexible and function at the speed of relevance..."



"...from the STRATCOM perspective, I think 'yesterday' would be a good answer"



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46% MANUFACTURER

25% SERVICE

12% DISTRIBUTOR

6.5% & GROWING

FOOTPRINT OF INTERNATIONAL SUPPLIERS

Data Analytics

- Refined performance metrics
- Defect analysis
- Supplier intelligence
- · Commodity Performance Trending
- · RYG prediction algorithm
- . ESIP list (key & poor performing)



Systemic Resolution

- Drive Commonality
- Improve RCCA process
- Demand executive improvement commitment
- Assess / Refine LM technical requirements



Action

- . Leverage LM Mfg / Engineering
- · Drive competition in high risk areas
- · Exit suppliers / technologies
- · Hooks for cost recovery
- Invasive EXCOMs
- Refined ESRA process



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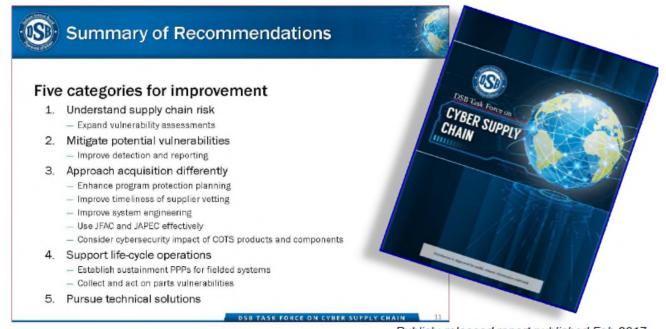






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Publicly-released report published Feb 2017 Available at: http://www.acq.osd.mil/dsb/reports/2010s/ DSBCyberSupplyChain_ExecSummary_Distribution_A.PDF

Source: Engineering Cyber Resilient Weapon Systems, Kristen Baldwin, SAE Aerotech Congress, Unclassified, September 27, 2017



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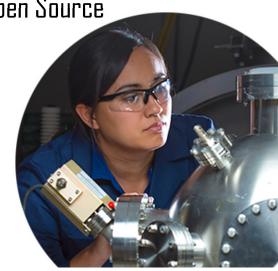
What Can ASQ Do To Help?



- Developing Quality Training, Methodology, and Certifications that address future challenges in a digital environment
- Sharing Best Practices and Lessons Learned of Quality professionals solving problems

Supporting Software Quality Standards, including secure coding, AI, and Open Source

Talent to Accomplish Great Things



We're Engineering A Better Tomorrow



Lockheed Martin: We're Engineering A Better Tomorrow Lockheed Martin YouTube Channel:

https://www.youtube.com/watch?v=EOxCl1P5r4k

