

Keynote Speaker



■ Wes Kremer

- Vice President
- Air & Missile Defense Systems,
 - Missile Systems
 - Raytheon Company

MISSION:

A WORLD OF INNOVATION

Missile Defense: Rocket Science made better with Quality

Wes Kremer
Vice President
Air and Missile Defense Systems

February 23, 2015



Overview

- Challenge of Missile Defense
- Flight Test Success
- Supply Chain Performance Improvement
- Intense Focus on Defect Reduction
- Eliminating Escapes
- Summary

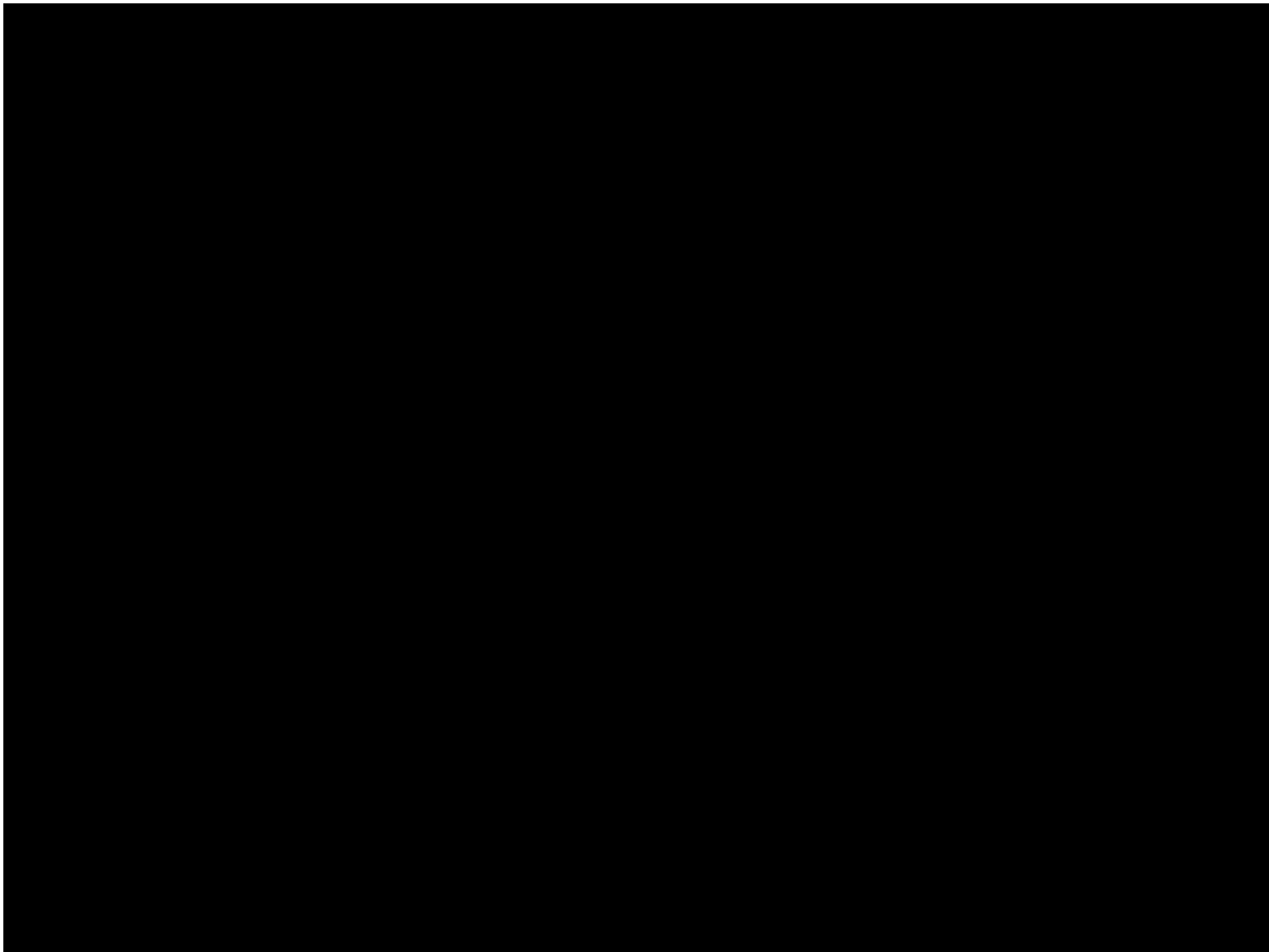


Challenges of Missile Defense

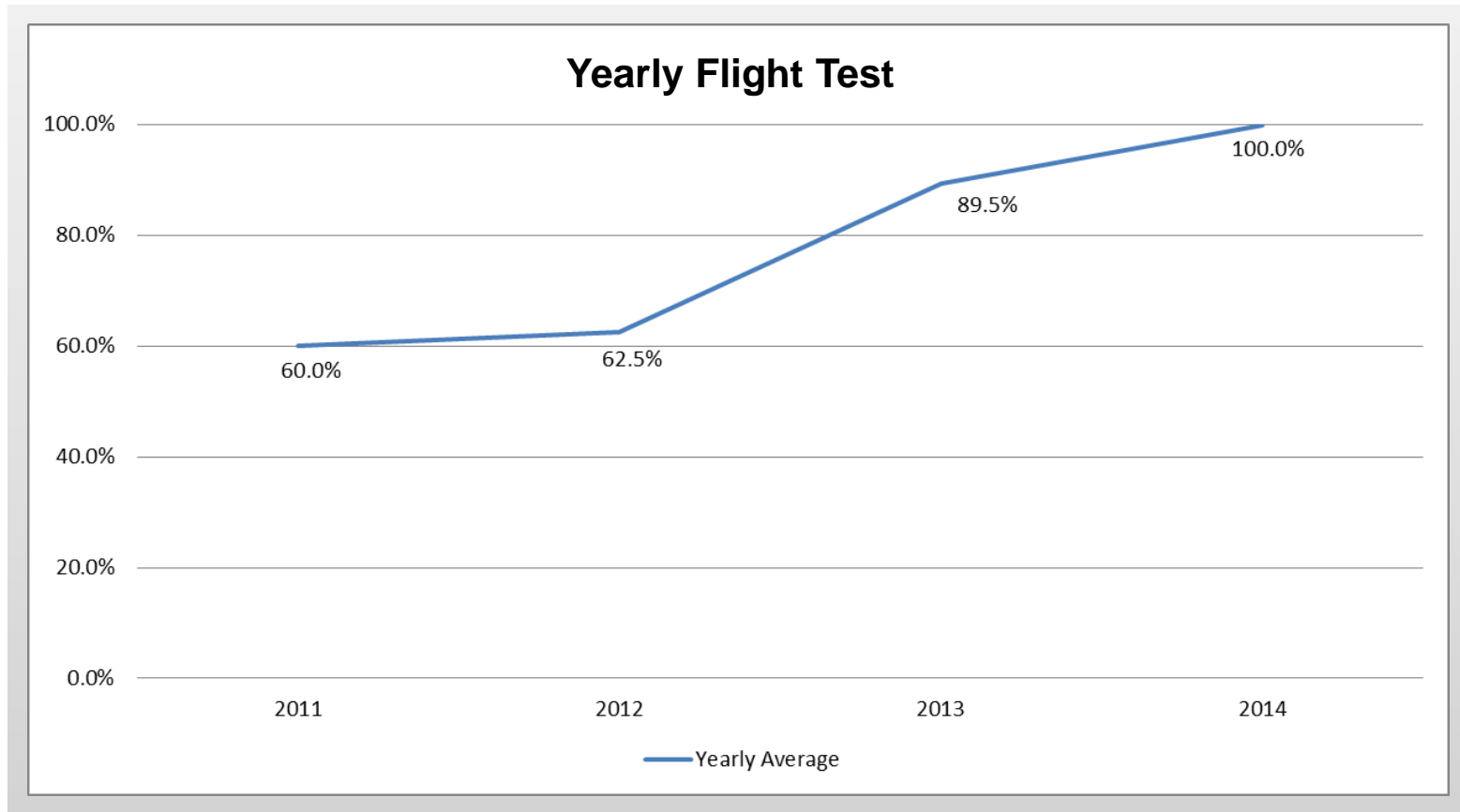
- High reliability
- No redundancy
- Single-thread design
- Minimal design margins
- Affordability



Our nation has entrusted us with tremendous responsibilities.
We must ensure quality in everything we do, every time.

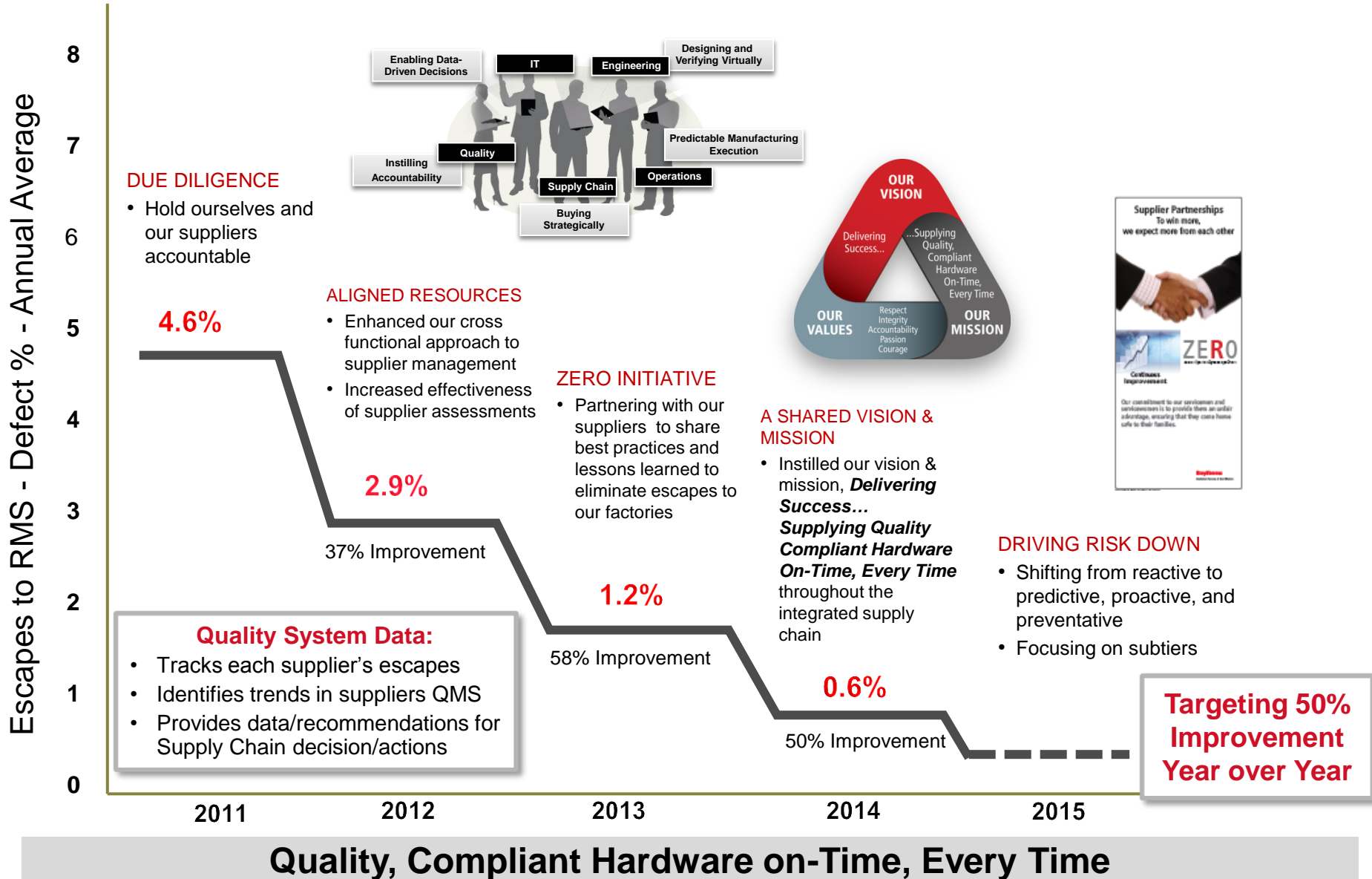


Flight Test Success



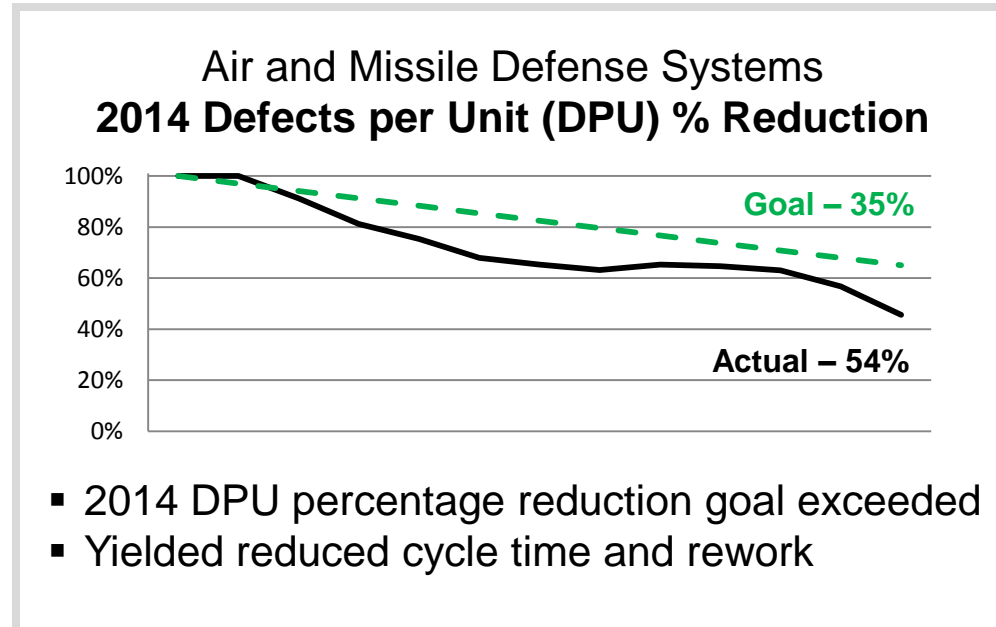
Focus on Quality Makes a Difference

Supply Chain Performance Improvement



Intense Focus on Defect Reduction

- Characterize and measure
- Set defect reduction goals
- Determine root cause
- Address systemic issues
- Validate corrective action

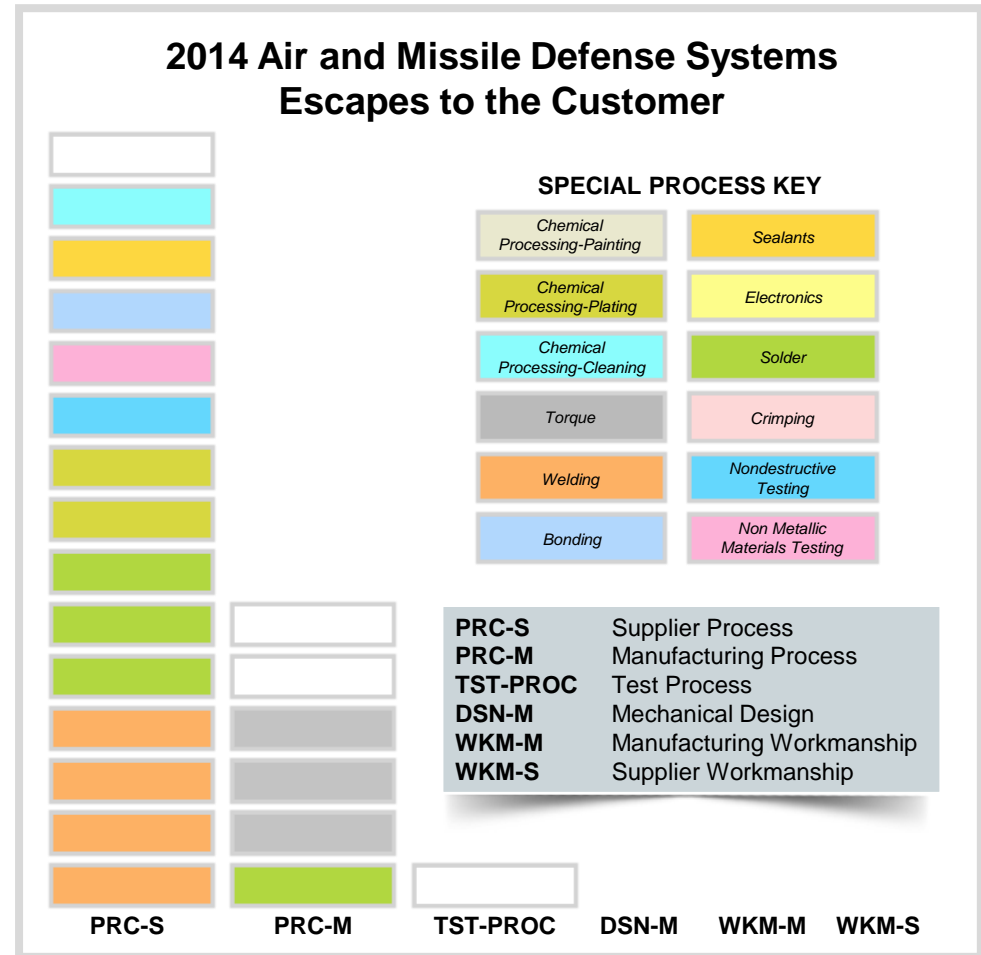


Defect Reduction Driving Affordability Results

Eliminating Escapes

- Capture and analyze escapes
- Both internal and supply base
- Characterize and control special processes
- 20 percent of 2014 escapes in supplier subtiers

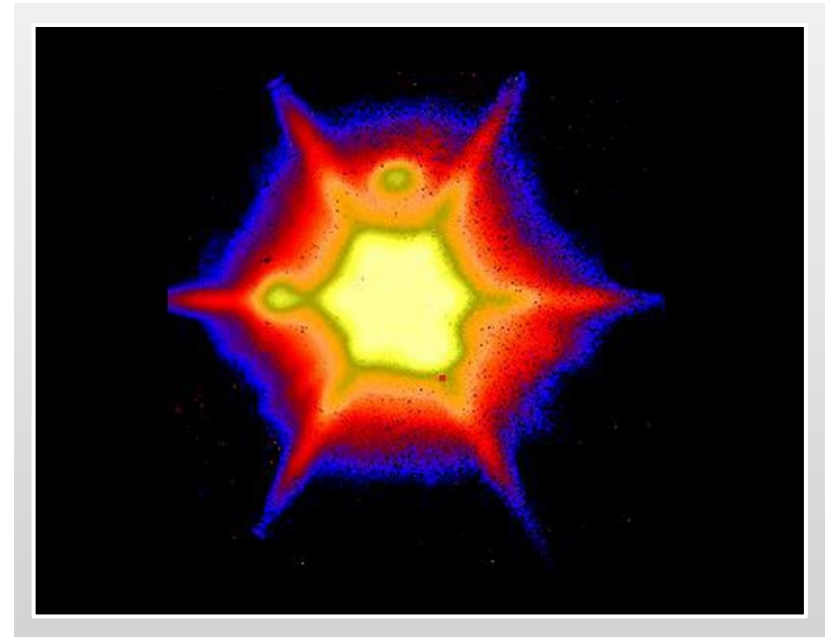
A special process is one that can't be verified after assembly. Variability is characterized and reduced through deployment of process quality controls that provide unit-to-unit consistency and repeatability.



80% of 2014 Escapes Attributed to Special Processes

Summary

- We're making progress and our data supports it
- Drive improvement across the supply base and focus on subtier suppliers
- Relentless pursuit of root cause in driving out defects
- Control of special processes is a 2015 focus area



Missile-destroying Exoatmospheric Kill Vehicle Intercepts Target