

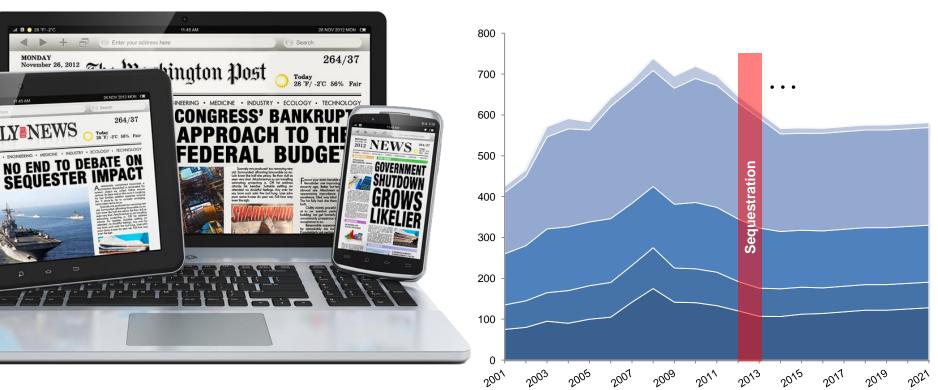
How Systems Engineering Can Help Deliver Higher Value in a Budget Constrained Environment

Craig Miller Vice President, Systems Engineering Harris Corporation Government Communications Systems



## Headwinds are the headlines...





DoD Topline Forecast:

Twenty-Year Perspective (Including OCO)

...meeting the nation's mission needs in a budget constrained environment is the bottom line

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NDIA SE Conference: Cost-Effective SE with Constrained Budgets

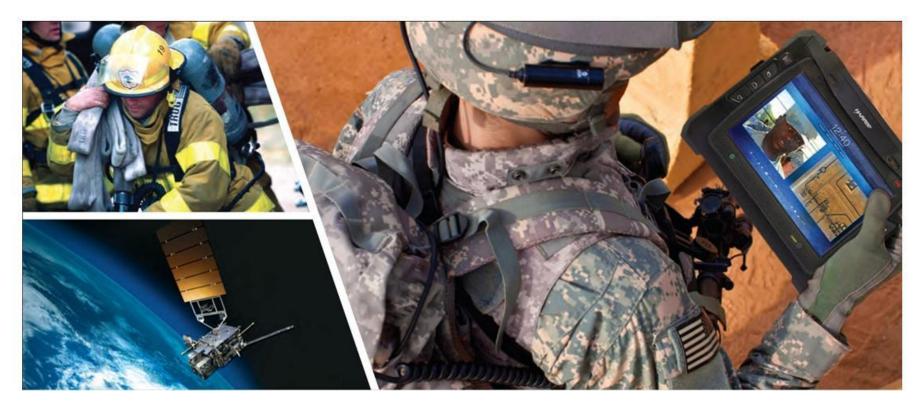












## **Realizing Better Buying Power**



BBP 2.0 Concepts	Systems Engineering in Practice
Achieve Affordable Programs	<ul> <li>Affordability trade-offs, training on the mindset</li> <li>Right-sizing requirements (and sticking to them)</li> </ul>
Control Costs Throughout the Product Lifecycle	<ul> <li>Reliable estimates for predictable costs</li> <li>Design to Cost (DTC), Design for "X"</li> <li>Find issues early (design reviews, peer reviews)</li> <li>Proactive risk mitigation</li> </ul>
Incentivize Productivity & Innovation	<ul> <li>Improvement project portfolio prioritized by ROI</li> <li>Lean Six Sigma – better, cheaper, faster</li> <li>Efficiency savings re-invested</li> </ul>
Eliminate Unproductive Processes/Bureaucracy	Better ways of doing business: •Process efficiency, integration (Eng, Mfg,) •Model-Based Engineering
Promote Effective Competition	<ul> <li>New business models (services, leases, products,)</li> <li>Technology development (S&amp;T, IR&amp;D alignment)</li> </ul>
Improve Workforce Professionalism	<ul> <li>Skills development (leadership, technical)</li> <li>Succession planning, mentoring, SMEs (BOOTS)</li> </ul>

### Focus Improvements on Results that Matter





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