



SAFESKIES 2019

Challenges of Complex Programs

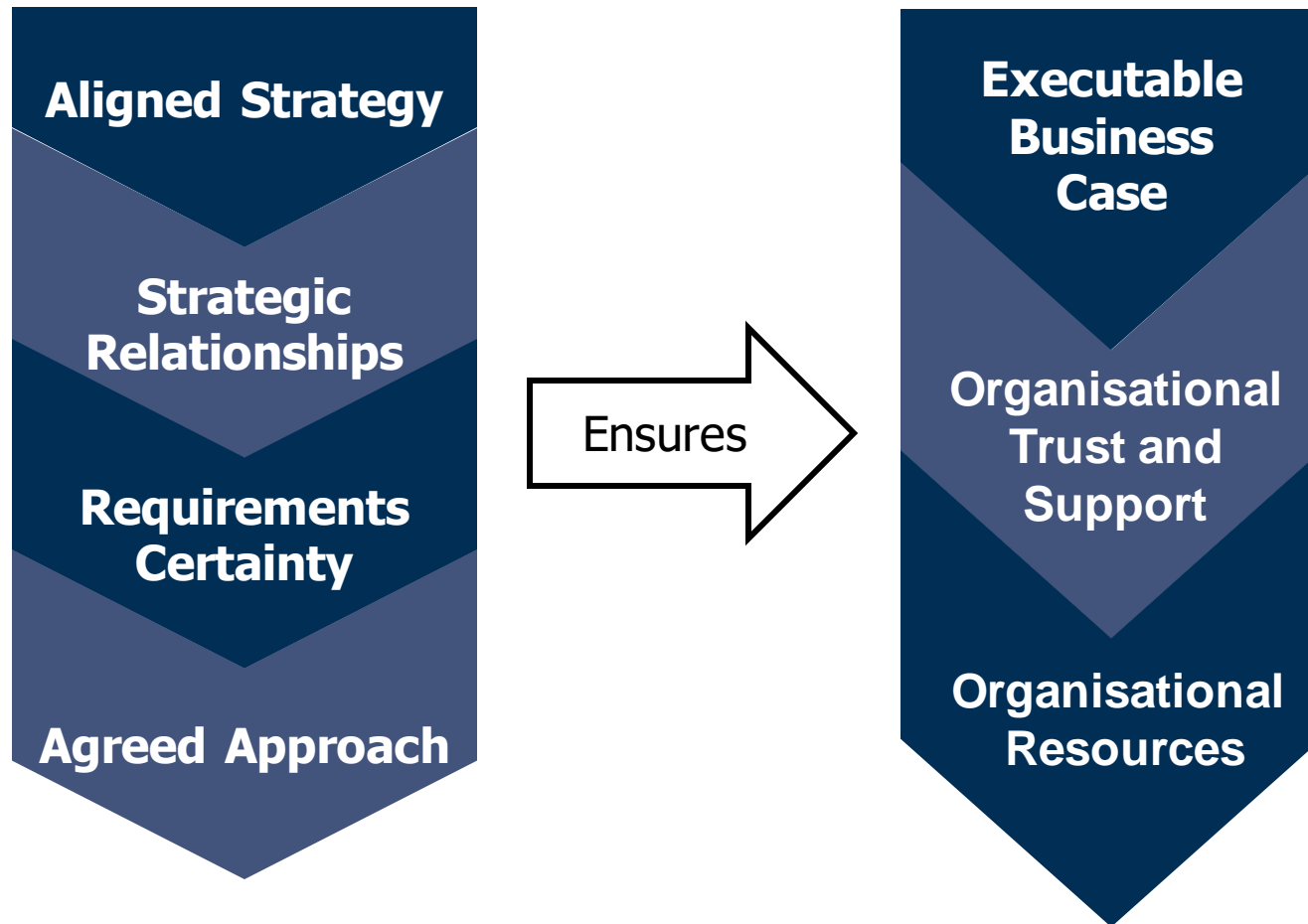
16 October 2019

Chris Deeble
NGA Chief Executive

Complex Programs Reflections

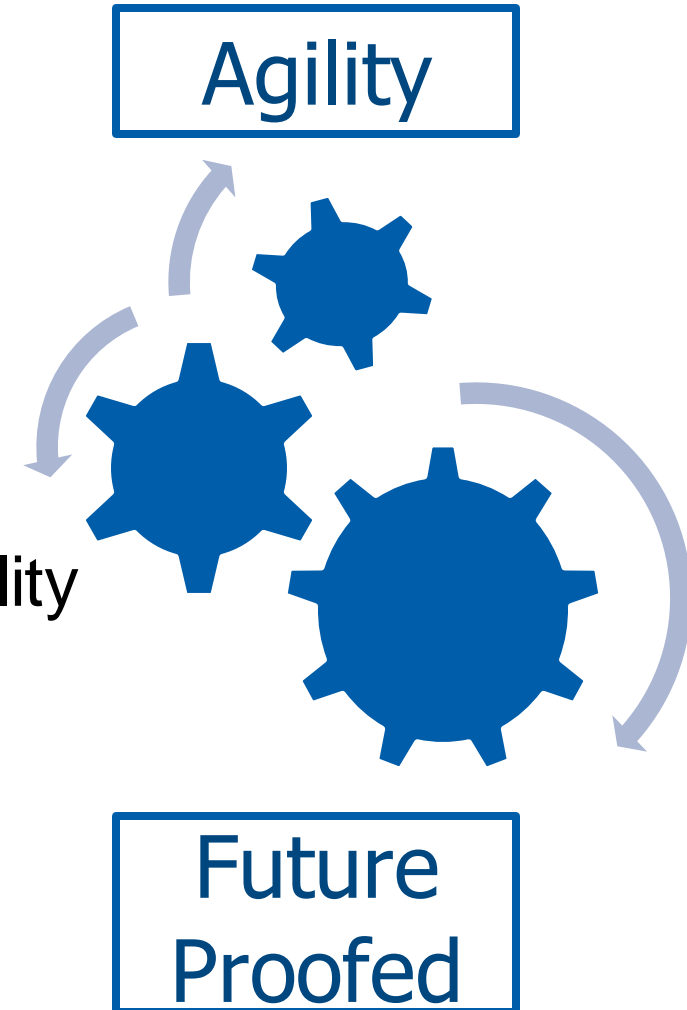


Strategic Success Factors

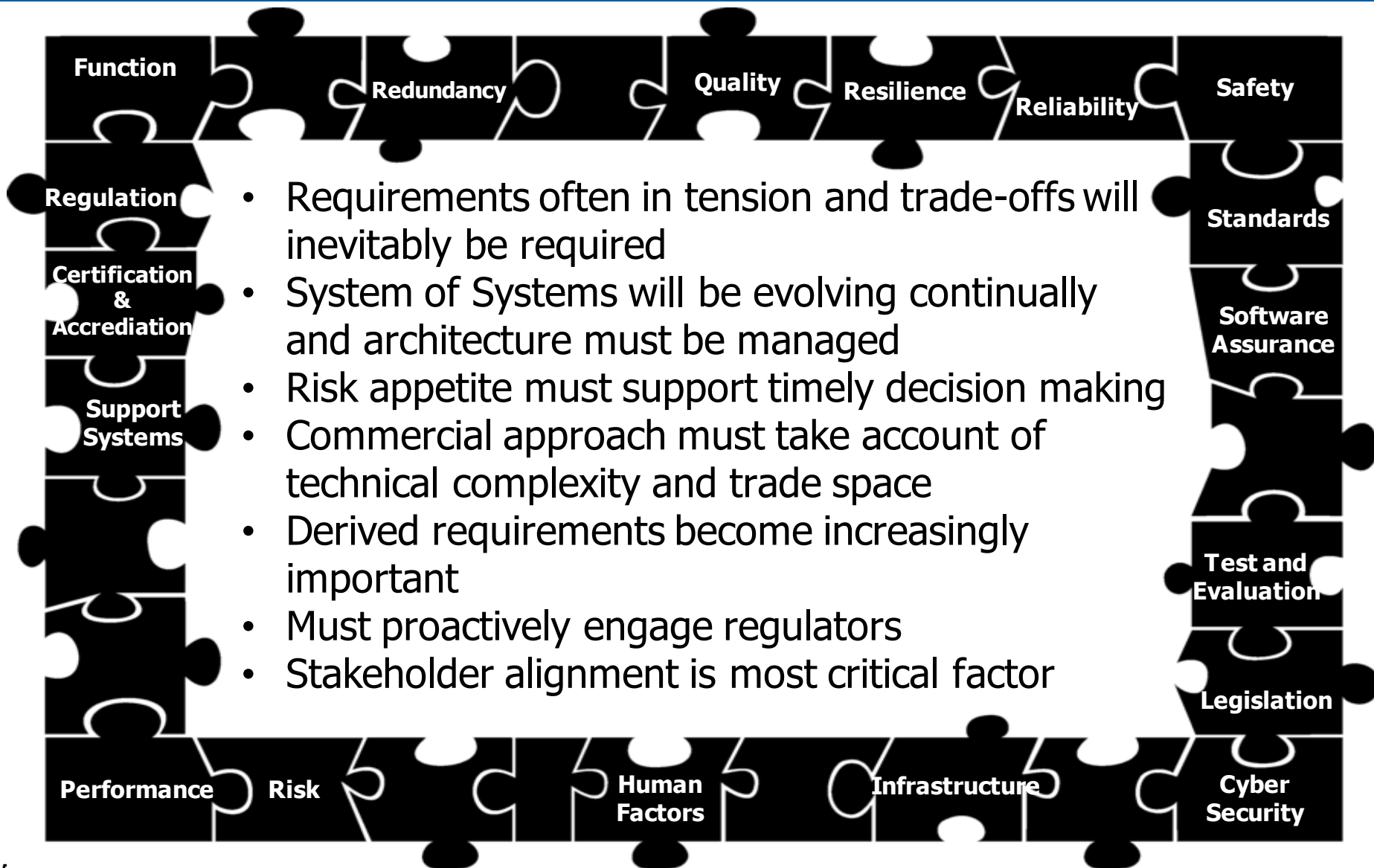


Successfully delivering complex SoS solutions requires all stakeholders to be aligned strategically

- Innovation
- Concepts-Architecture-Technology
- Architecture first
- Whole-of-Life and Whole-of-Capability
- Culture
- Strategic Relationships



System of Systems Design Space



A Different Approach to a Complex Problem

- Customers don't want to wait for 5 years to ensure capability is fit for purpose and they want to influence development
 - Agility, Customer Intimacy and Mission Focus
- In a complex geopolitical and commercial world customers need capability to be delivered on time to budget and required quality
 - Agile, disciplined and integrated Program and Engineering Management processes to ensure program performance
- Cyber threats are clearly evident and capability must be designed for reliability and resilience into the future
 - Cyber Hardened by design



Thankyou for your attention



THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN

