# **Counterfeit Risk Mitigation**

**The Leonardo MW Journey** 

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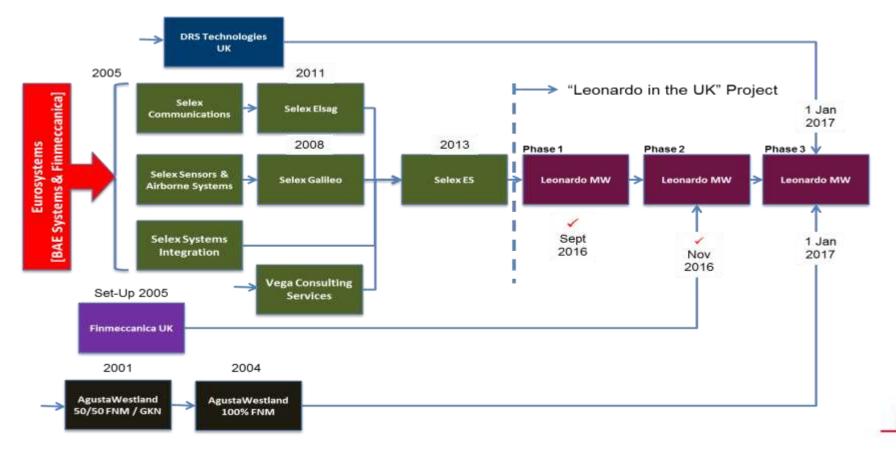
## What I'll be addressing today

- Introduction to Leonardo MW
- Timeline of events A&SSD
- The Definition, Development and Implementation of our Management Plan
- With the benefit of hindsight
- Views as a Supplier & Customer
- Our Plan in Action
- Key messages to take away



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### Leonardo in the UK - Evolution



#### INGENUITY AT YOUR SERVICE



### AIRBORNE & SPACE SYSTEMS

The Airborne & Space Systems Division's wide range of products and solutions includes:

- integrated mission systems (such as ATOS-Airborne Tactical Observation and Surveillance, for manned platforms).
- radars and sensors (such as the multi-mode Seaspray radars family, based on AESA technology (Active Electronically Scanned Array) and the Gabbiano radar family, based on advanced mechanically scanning array antenna.
- electronic warfare systems
- aerial target systems
- simulation systems
- on-board avionics and CNI
- remotely piloted aircraft systems (Falco), also offered through full service contracts.
- space systems that include sensors, mission payloads and advanced robotic systems.
- ISTAR solutions (Intelligence, Surveillance, Target Acquisition & Reconnaissance), based on integrated and agnostic architectures.





# Why Counterfeit Controls are Important for Leonardo



Operating Globally



Supply Chain Partners



Risk Management Regimes



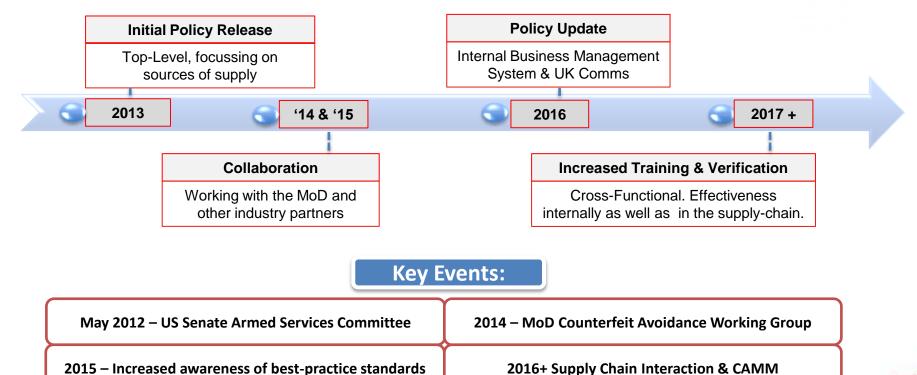
Conscience of our Customers



Our Position in the Supply Chain



## Summary of the Timeline of Events – ASSD Leonardo MW

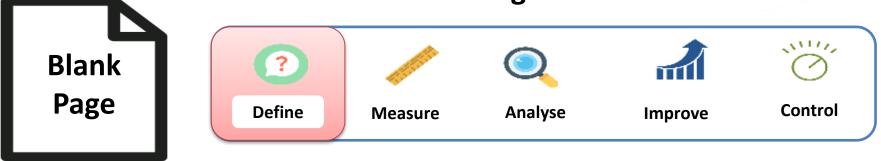


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# The Definition of the Plan

# Lean Six Sigma - DMAIC





The problem itself – Risk of Counterfeit
Large Cross-Site Organisation
Multiple Internal & External Customers
Many Business Processes will see an Impact
Terrible Implications of the worst case scenario



# **DMAIC 'Define' - The Impact on the Status Quo**

- Functional touch-points:
  - Procurement, Operations, Commercial, Engineering and Quality.

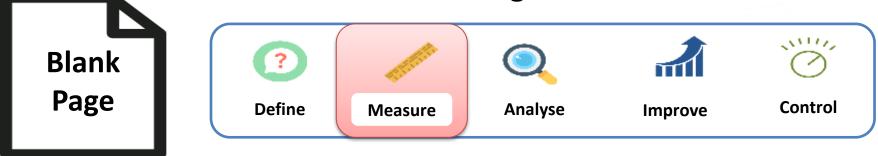
### **Key Impacts:**

- Procurement Supplier Approval, Due-Diligence and our GCoP.
- Operations Product Segregation and Goods-Inwards.
- Commercial Contract Review and Customer Communications.
- Engineering Product Design, Authenticity Verification and Design Integrity
- Quality Non-Conforming Product and Process Effectiveness.



# The Definition of the Plan Contd.

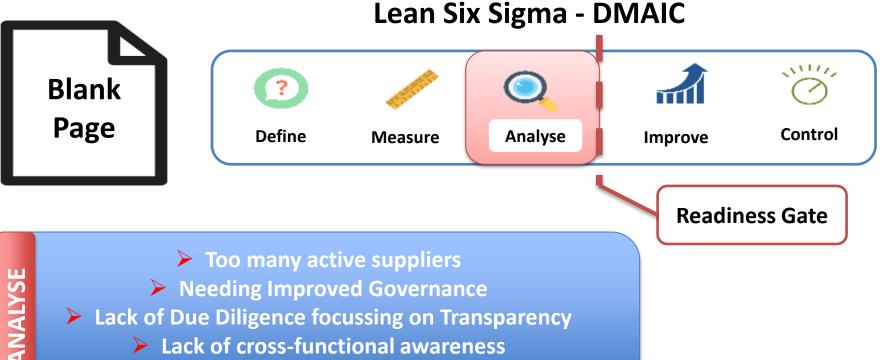
# Lean Six Sigma - DMAIC





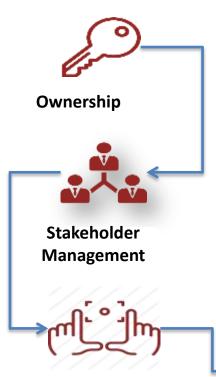


## The Definition of the Plan Contd.



Needing Improved Governance Lack of Due Diligence focussing on Transparency Lack of cross-functional awareness Finally – no internal guidance existed

# The Development of the Plan



LEONARDO

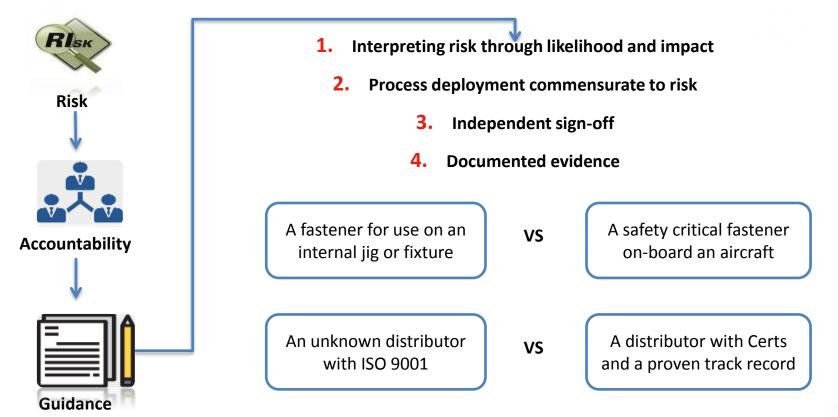
Scoping

INTRODUCTION			
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1.2	Applicability		
RELATED DOCUMENTATION AND TOOLS			
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2.2	Templates/Forms/Checklists		
DEFI	NITIONS AND ABBREVIATION		
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FUNCTIONAL RESPONSIBILITIES			
4.1	Procurement shall:		
4.2	Manufacturing & Supply Chain shall:		
4.3	Quality shall	8	
4.4	Engineering shall:	9	
4.5	Commercial shall		
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DOCUMENTING RISK AND ASSOCIATED MITIGATION		10	
7.1	Determining Counterfeit Risk	10	
7.1.1	Determine the impact of incorporating counterfeit materiel:	10	
7.1.2	Determine the likelihood of a counterfeiting occurrence:	10	
7.1.3	7.1.3 Interpret findings using the following guidance		
7.1.4	In an event of suspect counterfeit material, the following process applies:		
7.2	Determining Supplier Risk		

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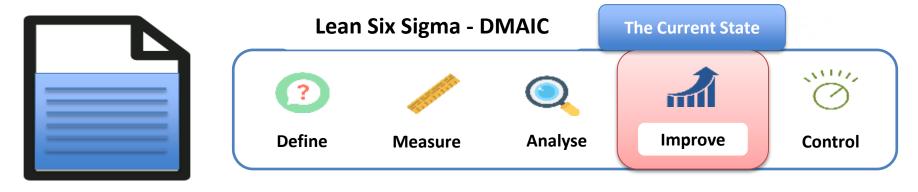


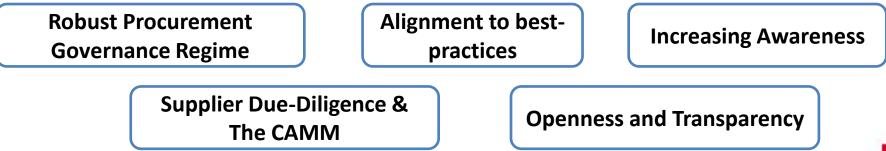
# The Development of the Plan – Focussing on Risk





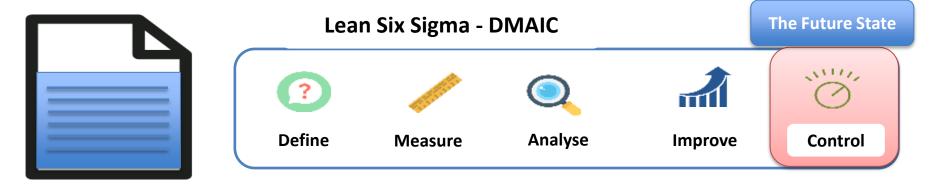
# The Implementation of the Plan







### The Implementation of the Plan Contd.

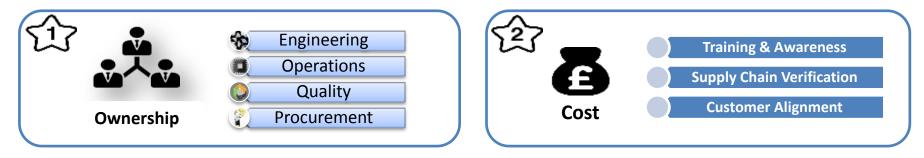


What does good look like for Leonardo MW?

- Maximising traceability of our products
- The sharing of risk throughout our Supply Chain
- Supporting SMEs in their mitigation efforts
- Continuously reviewing and improving our plan



### With the Benefit of Hindsight....





And others too: Obsolescence, Category Management and Resources



### **The Supplier View**

### Pragmatism

- Views on risk and criticality
- Both ends of the spectrum an issue or not?

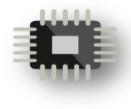
### Sclarity of Traceability Requirements

- More than "Full," "normal," or reliant on us
- Funding mitigation understanding the Cost Vs Benefit

### **Risk Reviews rather than Audits**

- Work with us to understand our concerns
- Encourage openness, joint-improvements and collaboration









### **The Customer View**

- Contract Review
  - One of THE most fundamental expectations we have
  - Flow down applicability
- Quality at Source
  - Mitigating risks of escaping defects adopt the same approach
  - Test and Verification clarity from the outset at quote stage
  - Verify effectiveness of incumbent processes

### Collaborate

- Share best practice and request the same
- Support the work of industry through CAWG and others









# **Our Plan in Action**

- Component Shortages
- DFARS and DEFSTANS
- CAWG and the CAMM
- Leadership and Accountability





# What lies ahead?

- **Key Challenges:** 
  - Due-diligence in the supply chain
  - Flow down and understanding of requirements
  - Transparency throughout industry
- **Key Successes:** 
  - Collaboration consistency in our approach
  - Sharing knowledge and expertise
  - Awareness throughout industry
  - Events like this one today continued support







### Key Points to Take Away

- This issue is not going away
- We're all responsible, not ONLY your Quality team, or ONLY your Procurement team
- Having a plan is good, having a plan that's continuously evolving is better
- All organisations need to collaborate more we can't afford to sit still



The Chartered Quality Institute's definition of Quality

- L. Know where you sit in the supply chain
- **2.** Ensure the intent is fit for purpose
- **3.** Ensure your plan delivers the desired outcomes
- 4. Continuously review and aim to improve

THANK YOU FOR YOUR ATTENTION

