Counterfeit Risk Mitigation

The Leonardo MW Journey

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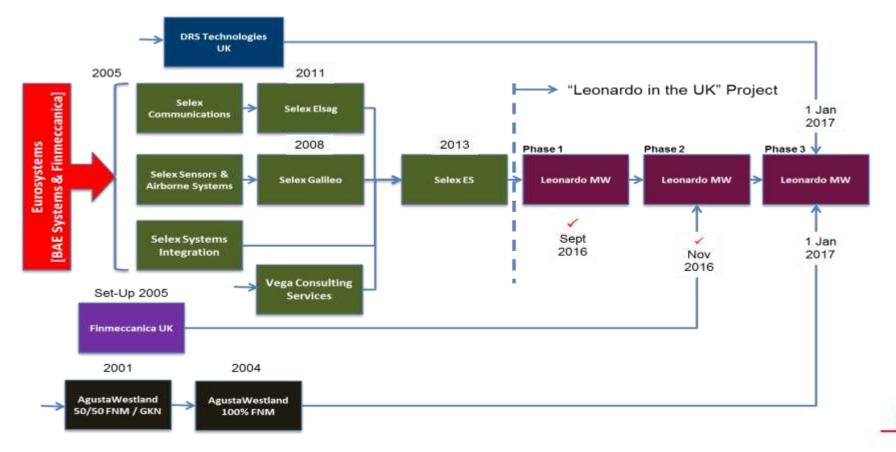
What I'll be addressing today

- 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



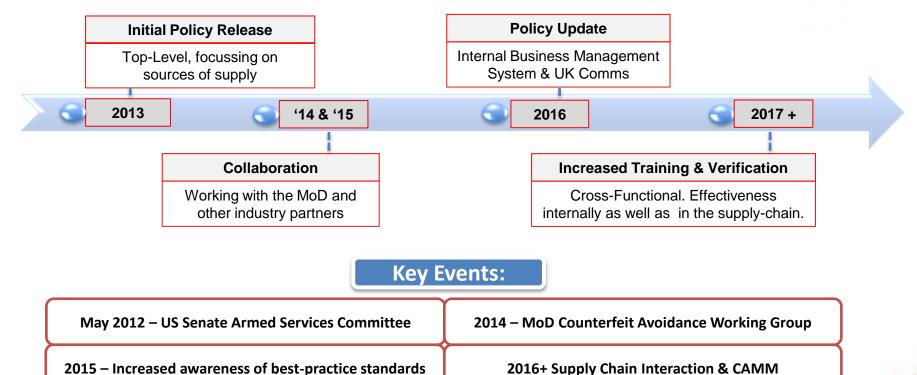
Conscience of our Customers



Our Position in the Supply Chain



Summary of the Timeline of Events – ASSD Leonardo MW

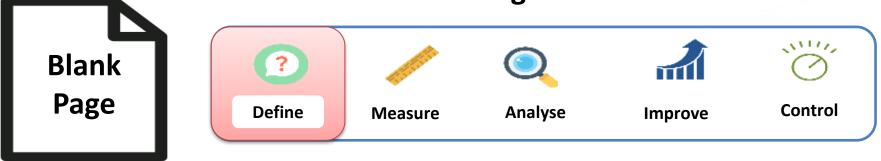


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The Definition of the Plan

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.

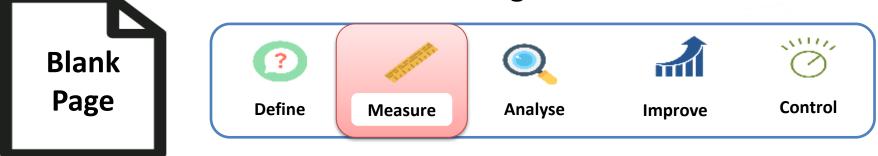
Key Impacts:

- 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.

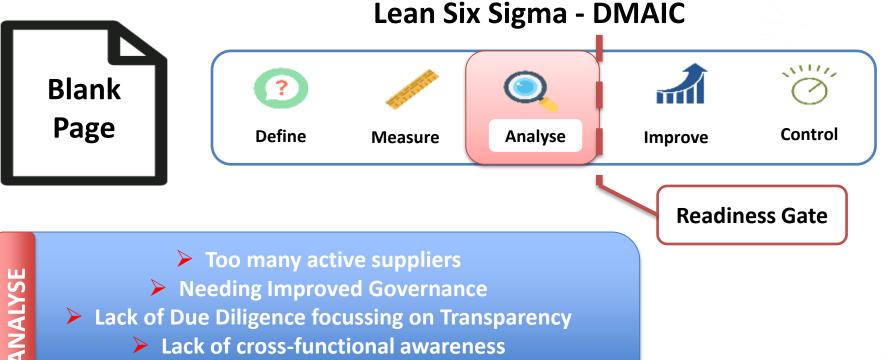
Lean Six Sigma - DMAIC





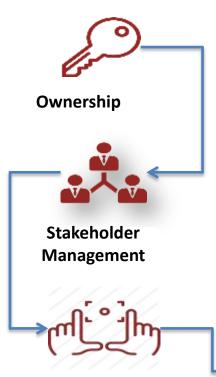


The Definition of the Plan Contd.



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

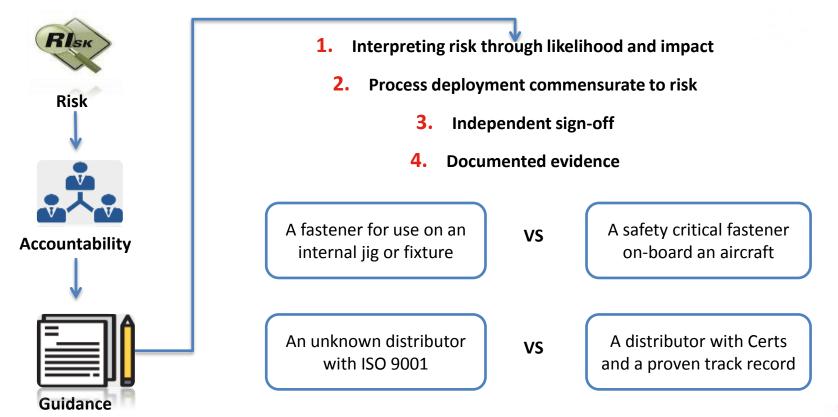
Scoping

INTRODUCTION			
1.1	Scope	4	
1.2	Applicability		
RELATED DOCUMENTATION AND TOOLS			
2.1	Documentation	4	
2.2	Templates/Forms/Checklists		
DEFI	NITIONS AND ABBREVIATION		
3.1	Definitions		
3.2	Abbreviations	e	
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		
TRAI	NING	9	
REPO	DRTING	9	
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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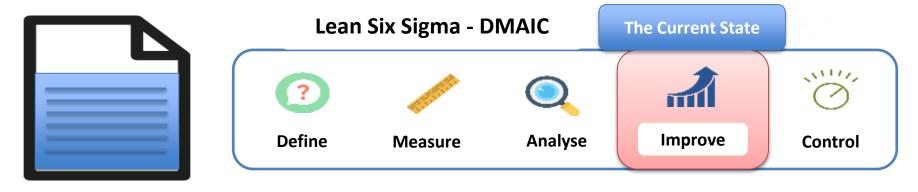


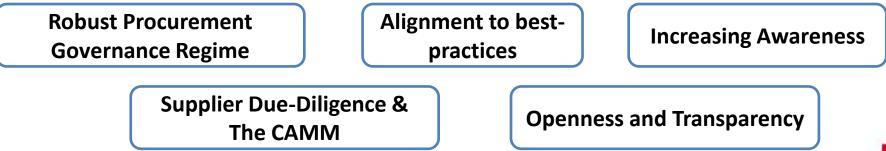
The Development of the Plan – Focussing on Risk





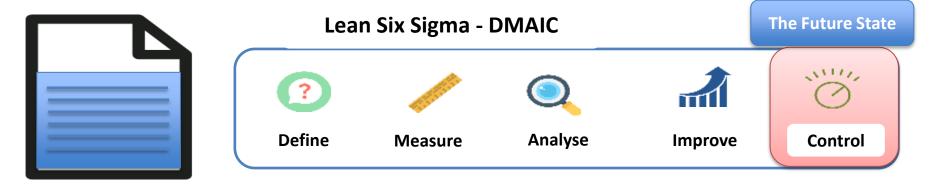
The Implementation of the Plan







The Implementation of the Plan Contd.

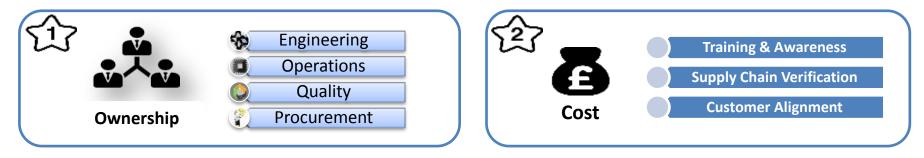


What does good look like for Leonardo MW?

- 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?

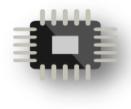
Sclarity of Traceability Requirements

- 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

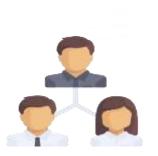
- Component Shortages
- DFARS and DEFSTANS
- CAWG and the CAMM
- Leadership and Accountability





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

