

Welcome to the 2018 UK CAA Production Seminar



Mark Barker
28th March 2017

Changes

- Venue
 - Thanks
 - Domestic
 - Where next ?
 - What topics do you want discussed ?
 - Feedback Sheets

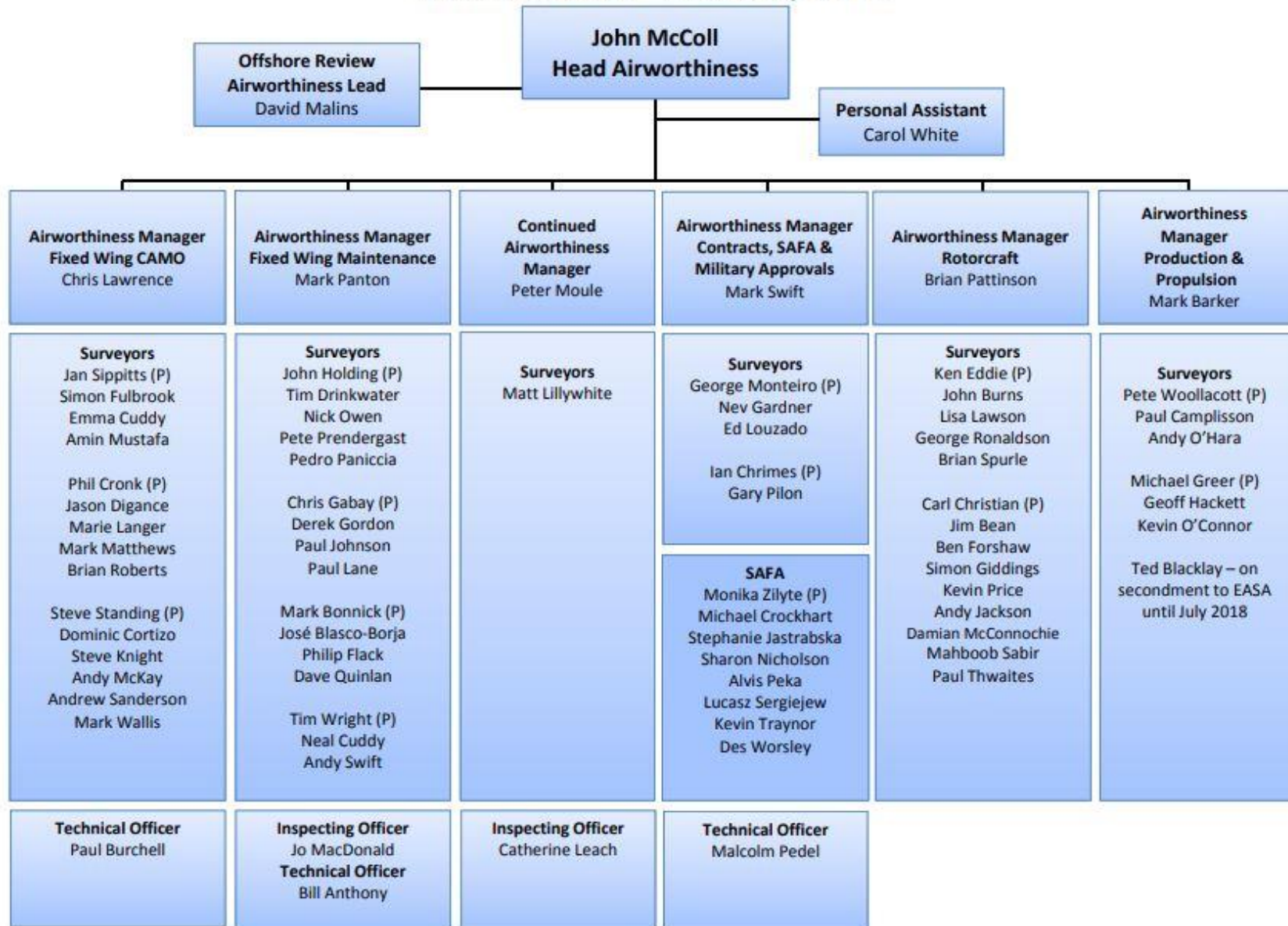
Changes

- People

Mark Barker

- Airworthiness Manager – Production and Propulsion Sector
- Change Points:-
 - 1996 – Transition from the national BCARs to the JARs.
 - 2005 – Transition from the JAA to the EASA structure.
 - 2017 – Production and Propulsion Sector:-
 - Visibility and Focus on POA and Propulsion Issues
 - Making Performance Based Regulation (PBR) a reality
 - 2018 - New EU Basic Regulation
 - 2019 - BREXIT

Airworthiness – 3 January 2018



Changes

- Impact of Regulatory Capture
 - Having the same people involved with an organisation for a long time identified as a Regulatory risk at CAA Board level.
 - ISO standards already specify rotation for Team Leaders, reflected in EASA contract requirements and UKAS audits on ISO9000 CBs.
 - Financial audit standards go further, mandating rotation periods for Leaders and Team Members.
 - From internal review, CAA has established a more stringent policy than any of these, which is '2 cycles on, 2 cycles off' for Leaders and Members.

Changes

- Regulatory Capture
 - So if your Organisation has had the same audit team members for the last 4 years, expect notification of change if you have not had it already.
 - Where this effects an entire team, transitional periods will be established to ensure continuity.
 - Continued specialist involvement will be possible for specific projects, follow-ups etc in parallel with routine surveillance.
 - Some Sectors are more impacted by this than others, you will see increased use of Surveyors from other Sectors in cross-support where they have the necessary competencies.

What has not Changed

- Objectives of this Seminar:-
 - To share and discuss production issues with Industry.
 - To explain current CAA thinking and where we seek engagement from Industry.
 - To give Industry a direct voice into the CAA on their concerns.
 - To understand where Industry feels we should be focussing our efforts or working differently to help them understand and satisfy the requirements.
 - *The objective of a Part 21 POA is the release of conforming products, parts and appliances into build lines and into the aftermarket. That objective is common to both Regulator and Industry.*

Agenda

- CAA/Industry Working Groups
- 2017 Review
- Zero Defects Initiative
- Break
- Supply Chain Risks
- AS9100 and Part 21
- Lunch

Agenda

- Global Quality Issues
- Identifying Airworthiness Risks
- BREXIT
- Break
- Anti-Counterfeit
- International Federation for Airworthiness (IFA)
- Open Q&A

To get the best from the Seminar:-

- Engage
- Ask Questions
- Mingle during the Breaks
- Help us with the Mystery exercise involving the sticky notes on your seat
- Complete the Feedback form

... and thank you all very much for coming

Aviation Manufacturing Groups (AMG)



- Two Groups established from the 2015 POA Seminar
- Prime AMG – Primes/Systems with major established supply chains
- SME SMG - Small and Medium Enterprises

PAMG High Top 10

Risk	Industry	+ CAA	High Response
9. Tier 2/Tier 3 Supply	77 (1 st)	106 (1 st)	9 (1 st)
23. Lack of Risk Management for Supply	70 (2 nd)	95 (2 nd)	7 (2 nd =)
7. Emergent Technology incl. ALM	67 (3 rd)	94 (3 rd)	6 (3 rd)
18. Incoming Competency levels	63 (4 th)	86 (4 th)	7 (2 nd =)
8. Special processes, NADCAP, Crimp ..	62 (5 th)	83 (5 th)	4 (5 th =)
19. NDT Skills, competence/retirement	59 (6 th)	80 (7 th)	5 (4 th =)
12. Common approach on non-EU release	59 (6 th)	70 (13 th)	5 (4 th =)
13. Policing of intent of design data/IPR	59 (6 th)	77 (8 th)	4 (5 th =)
14. PMA +NAA training in acceptance	59 (6 th)	72 (12 th)	4 (5 th =)
26. Lack of Lateral View of Escapes	58 (7 th)	81 (6 th)	4 (5 th =)

SME Top 10 Areas

Risk	Score
Raw Material Supply	74
Subcontractor Control	63
Capacity/Availability of Subcontractors	46
Production Competence	42
Supplier N/C to Purchase Order	41
Procurement not Involving Engineering	38
Flow down of treatment requirements	32
Legacy Support/Obsolescence	28
Single Source Supply	26
Competency Incoming	25
Proliferation of prime requirements	24

AMG Outputs

- Agreed strategy regarding Additive Layer Manufacture built into CAA Information Notice in 2016 and fed into EASA Seminars.
- Shared approach regarding REACH compliance and advised on internal training material to Surveyors.
- Draft outputs on two areas of Supply Chain Control from the top risks:-
 - Good Practice Guide for Supplier Risk Assessment
 - Good Practice Guide for Aerospace Suppliers

KPIs for Performance Based Regulation



- We announced at the last seminar that with certain limitations, Production and Maintenance organisations rated as “Green” in terms of organisational complexity and product risk could receive an interim Desktop Audit instead of an on-site audit based on a performance submission.
- *Evidence of conduct of internal audit programme (audits planned, audits undertaken, summary of key findings and status)*
- *Notification of any external quality escapes where parts have been released and found to be outside design data*

Current Status

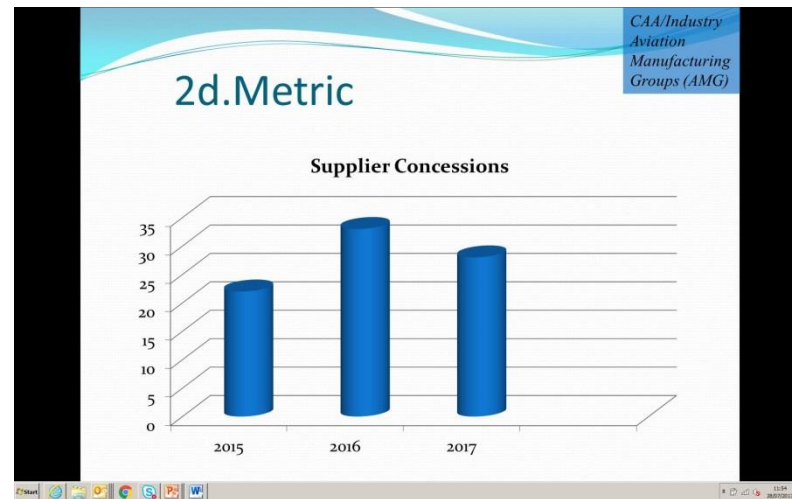
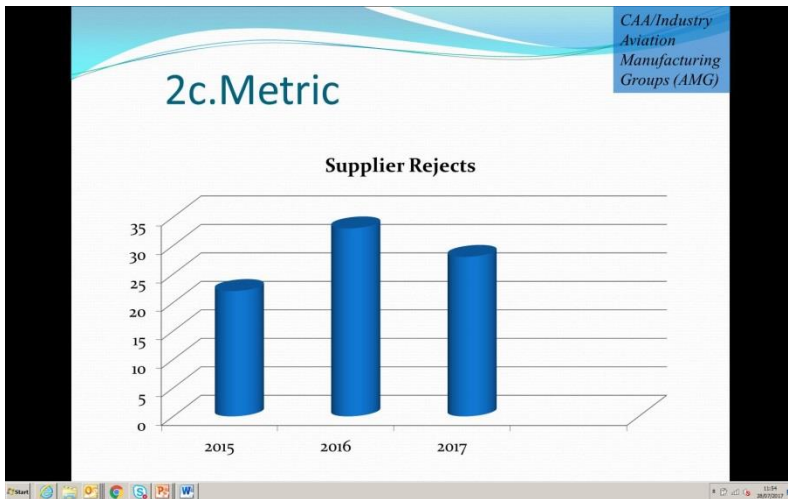
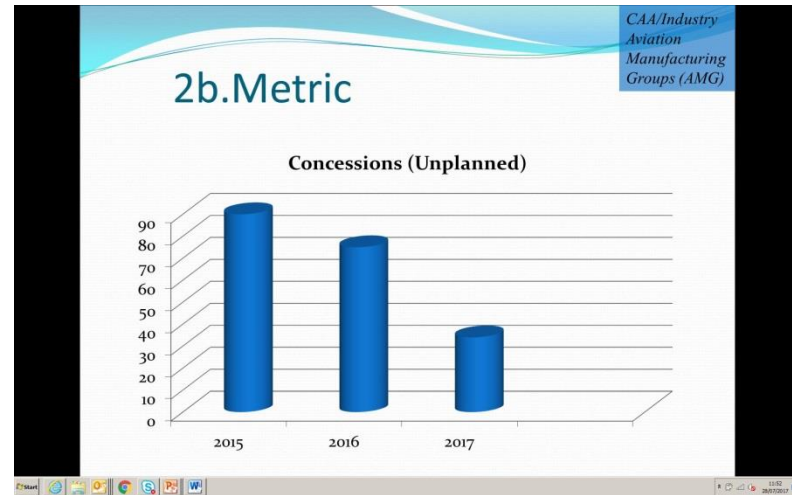
- Although more POAs than any other kind of type of organisation have done this, take-up to date has been very limited. (<10%)
- We are working with the PAMG to identify a set of core common KPIs regarding performance that can be shared by POAs without concern *and that is consistent with information that already has to be generated for internal Reviews and QMS Third Parties.*
- We are open to proposals as to how this can be done and more volunteers to trial during 2018.

Suggestion

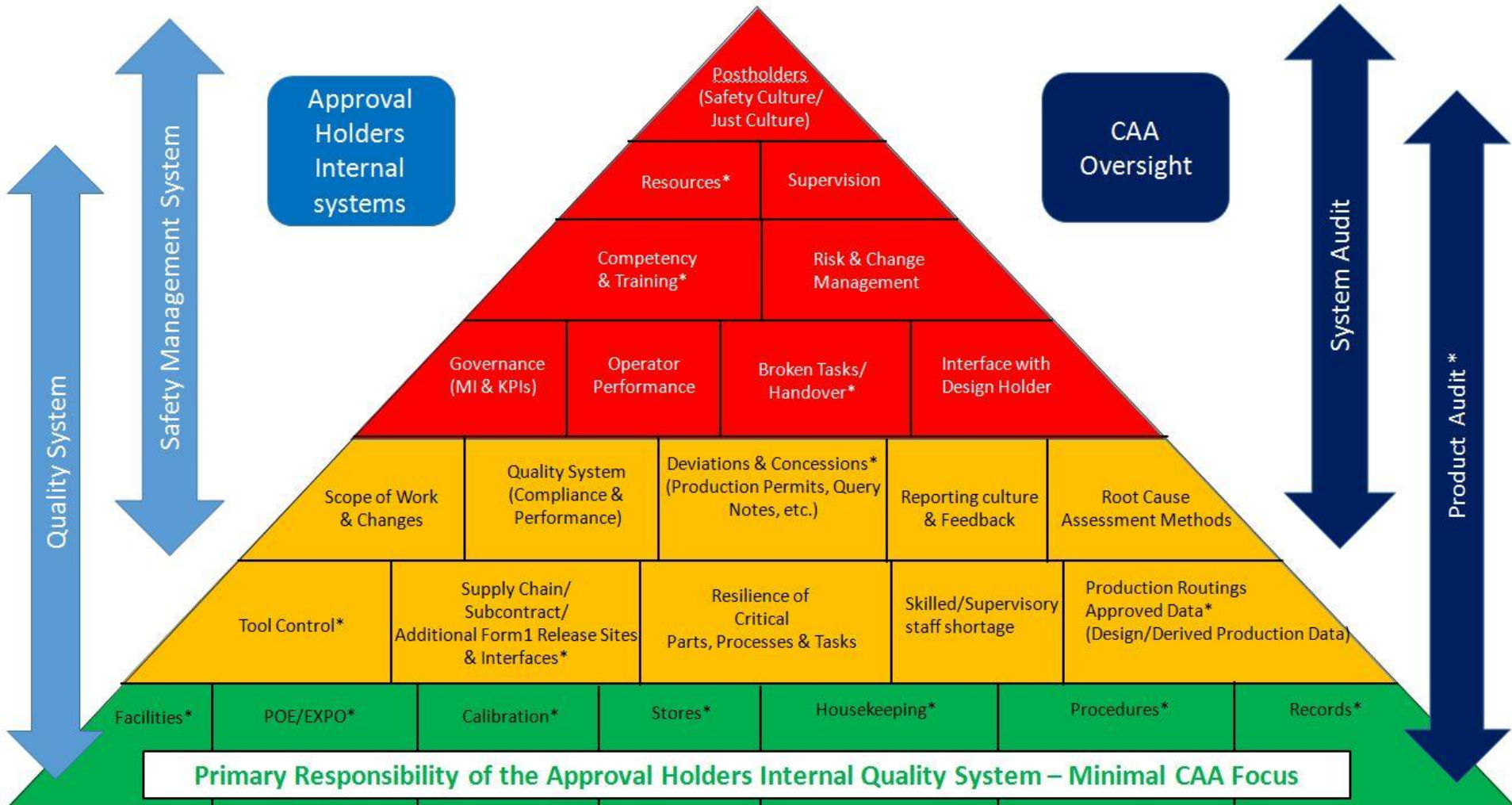
- Does an organisation have a single key KPI metric for monitoring levels of non-conformance and measuring improvement as briefed to Senior Management/ Accountable Manager – example:-
- From this overall picture, breakdown into specific metrics related to the performance of the POA.



Supporting KPIs



Why do we want this information ?



AMG Next Steps

- Following his appointment as Production Principal, Michael Greer will take chairmanship of these Groups with next meetings to be called in May.
- Andy O'Hara will support and lead on the Key Performance Indicator project under discussion with the Primes.
- Two Questions for this Seminar:-
 - Any further Organisations wanting to be involved ?
 - *Are the Groups working on the right things ?*
- Which brings us to the Sticky Notes on your chairs ...

Exercise for the Breaks:-

- Using the Red Notes, *What are the three key risks that are challenging your ability to supply conforming parts into the market ?*
- (Brexit will be coming up later, so put that to one side for today ...)
- Using the Green Note, *What one thing could the CAA do that we are not currently doing to help Industry in achieving this aim.*
- Put your suggestions up on the Boards during the Morning and Lunch Breaks

Questions...

