



145 MRO Findings Analysis

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Airworthiness Workload



Airworthiness manages approximately 1400 approvals located not only within the UK, but also all around the world. This includes 100 overseas approvals on behalf of EASA in such locations as Singapore, Australia and China and 148 approvals on behalf of the UK Military. Airworthiness also manages 300 approvals created by the Bi-lateral agreements with the United States (FAA) and Canada (TCCA) and Brazil. Beyond just approval oversight AW carries out over 1,000 SAFA inspections, 250 ACAMs, 200 CofAs & permits, Certification/design, MOR and training/consultation.



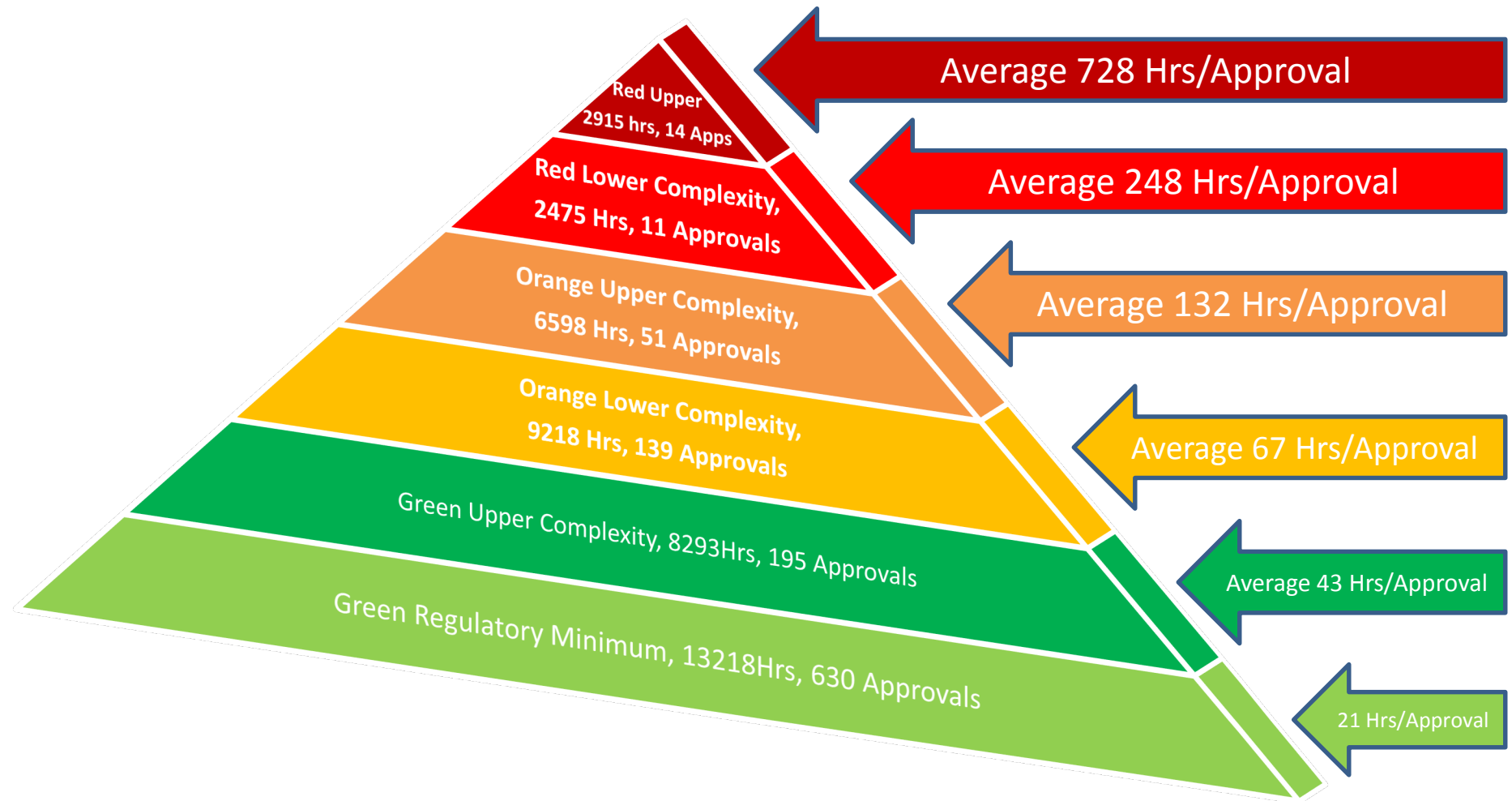
1419 Approvals (Overview)

UK Pt 145 Maintenance	352
UK Pt MG Continuing Airworthiness	197
UK Pt 21G production	166
UK Pt 147 Training Organisations	56
Overseas Approvals (CAAi)	148
Military (CAAi)	100
UK BCAR	100
FAA and TCCA	300

6131 Q-Pulse Audits/Surveys/Other

UK Pt 145 Maintenance	1250
UK Pt MG Continuing Airworthiness	1250
UK Pt 21G production	470
UK Pt 147 Training Organisations	550
Overseas Approvals (CAAi)	400
Military	300
UK BCAR	200
FAA and TCCA	450

Airworthiness Complexity - New



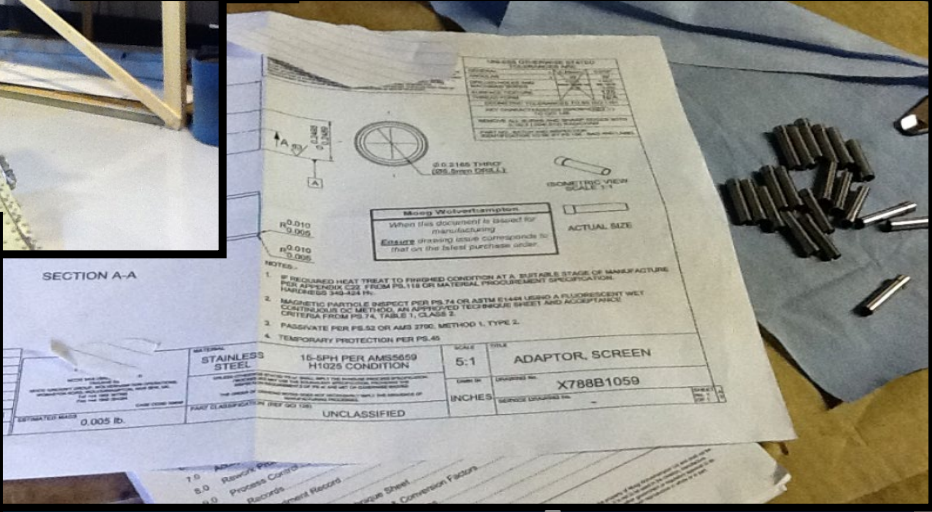
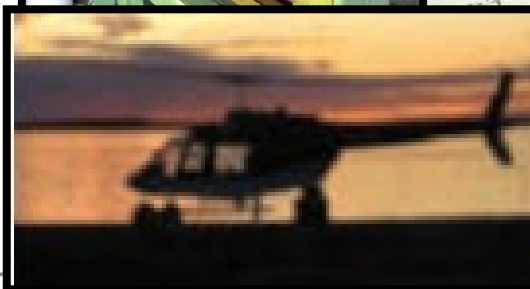
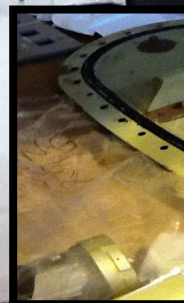
This diagram demonstrates that the average base-line hours (Combination of Complexity/Performance) as planned for each approval, allocates our Resource proportionally.

Airworthiness Workload – 145 MRO

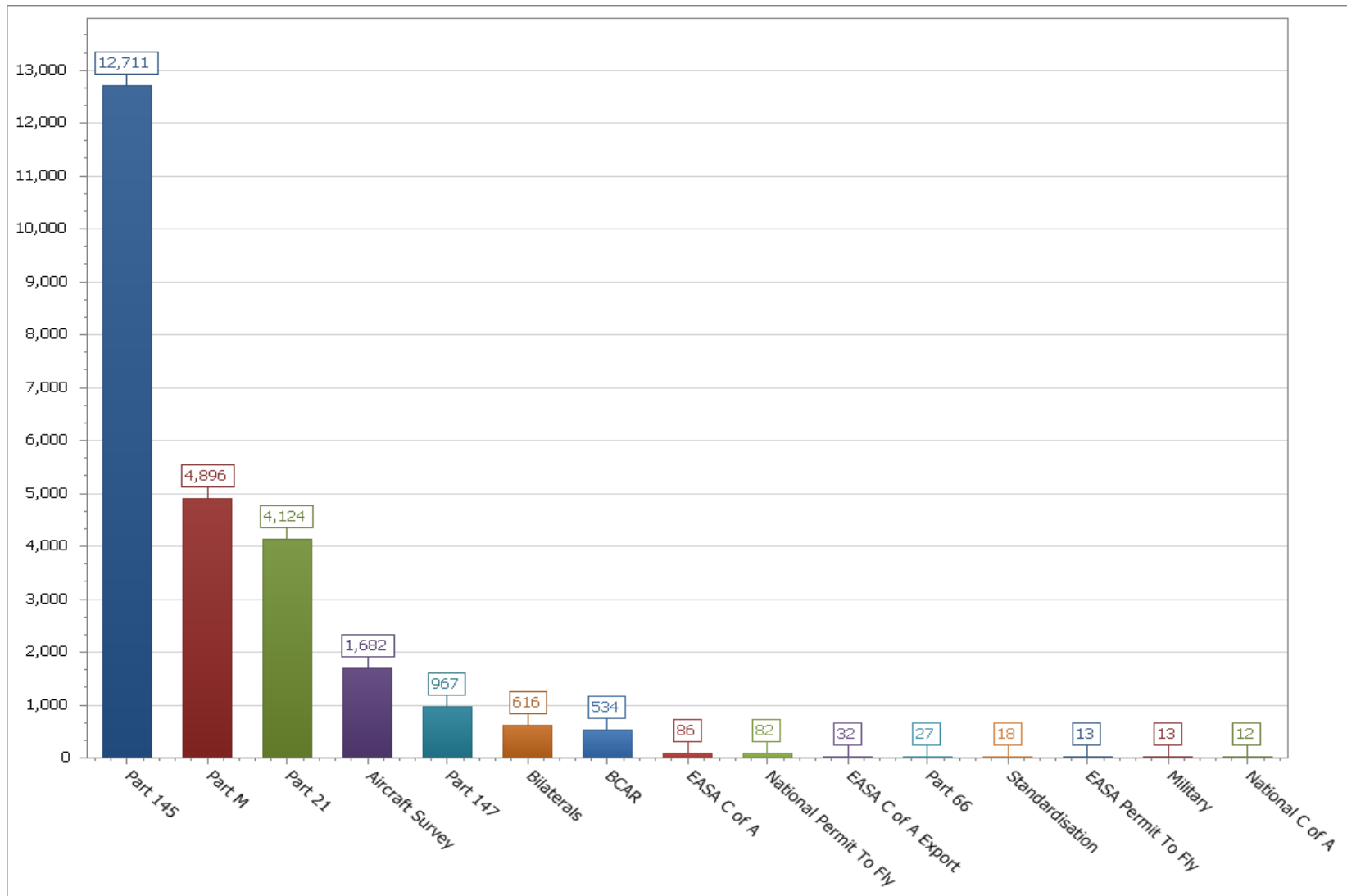


AW/Green Regulatory Minimum	5
AW/Green Upper Complexity	1
AW/Orange Lower Complexity	26
AW/Orange Upper Complexity	5
AW/Red Lower Complexity	1
AW/Red Upper Complexity	1

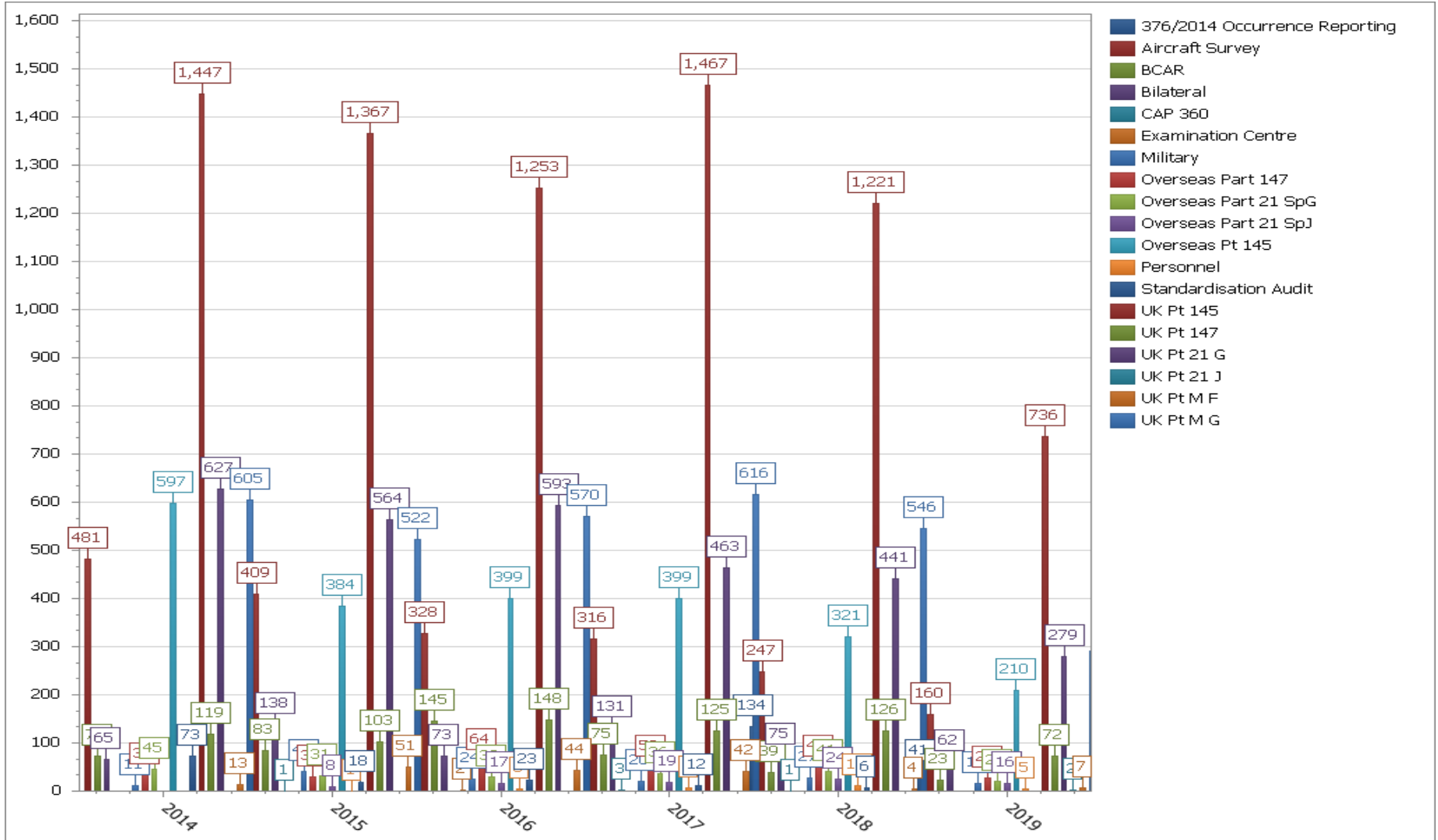
Findings Analysis 2018/19



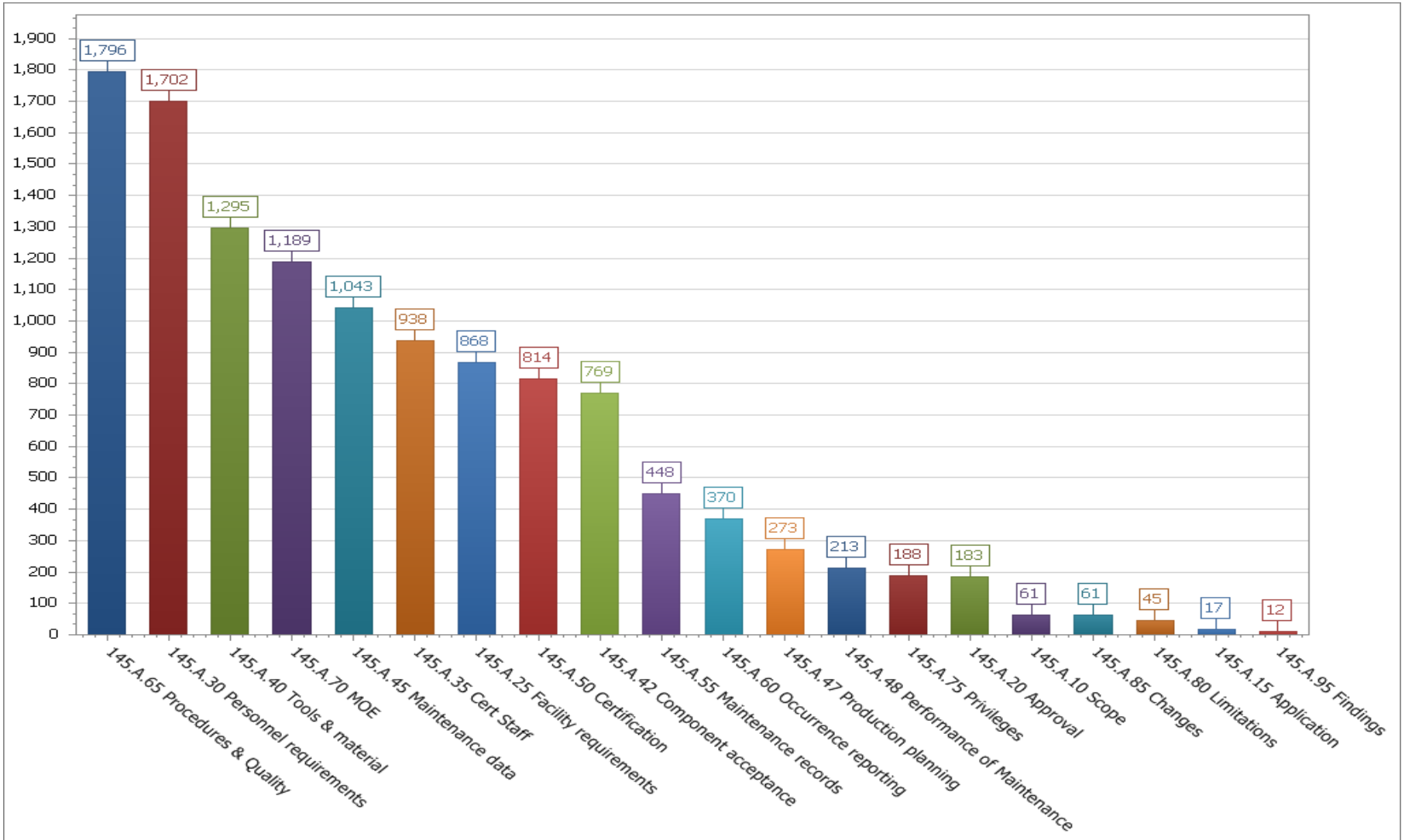
All Airworthiness Findings



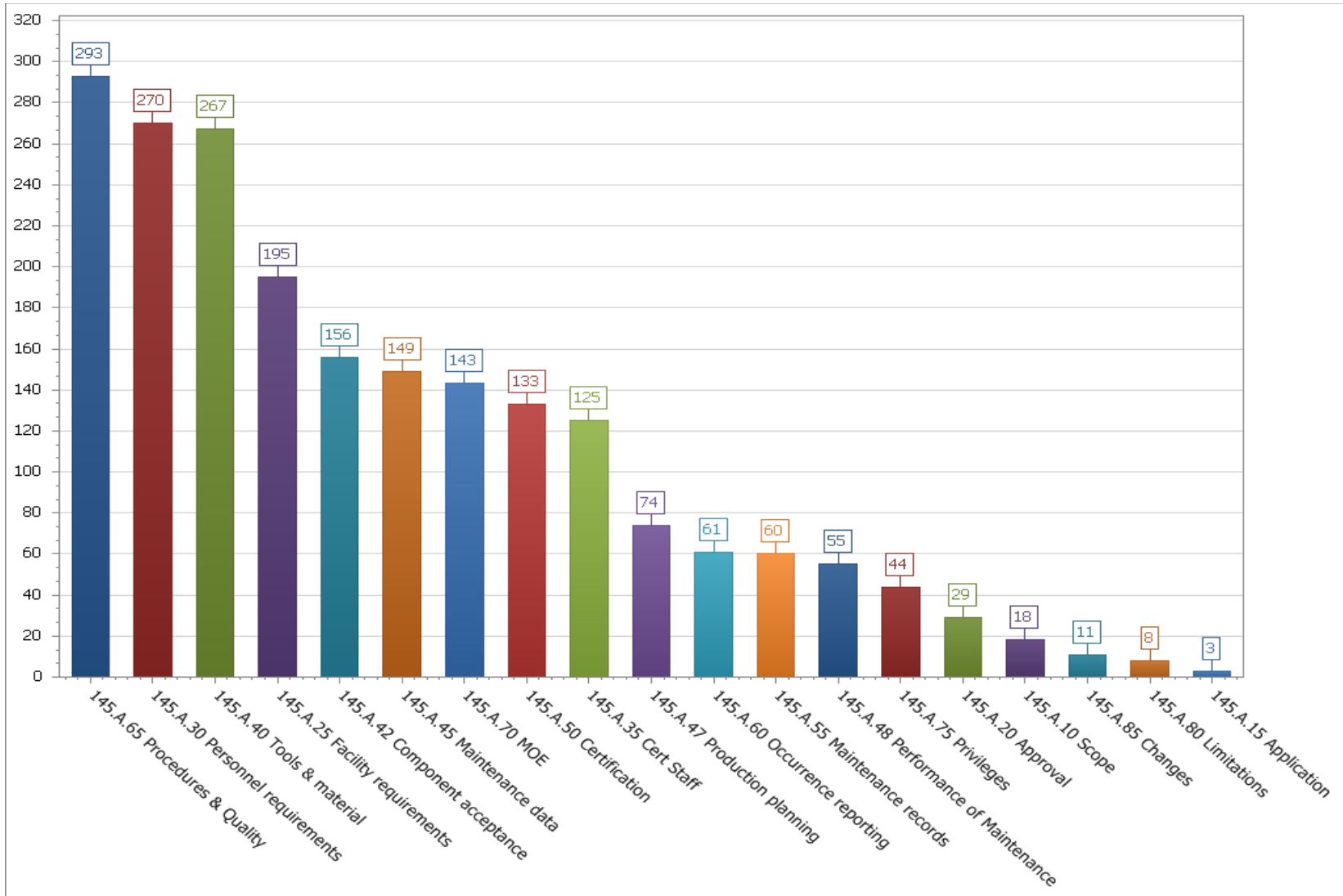
All Airworthiness Findings – By Year



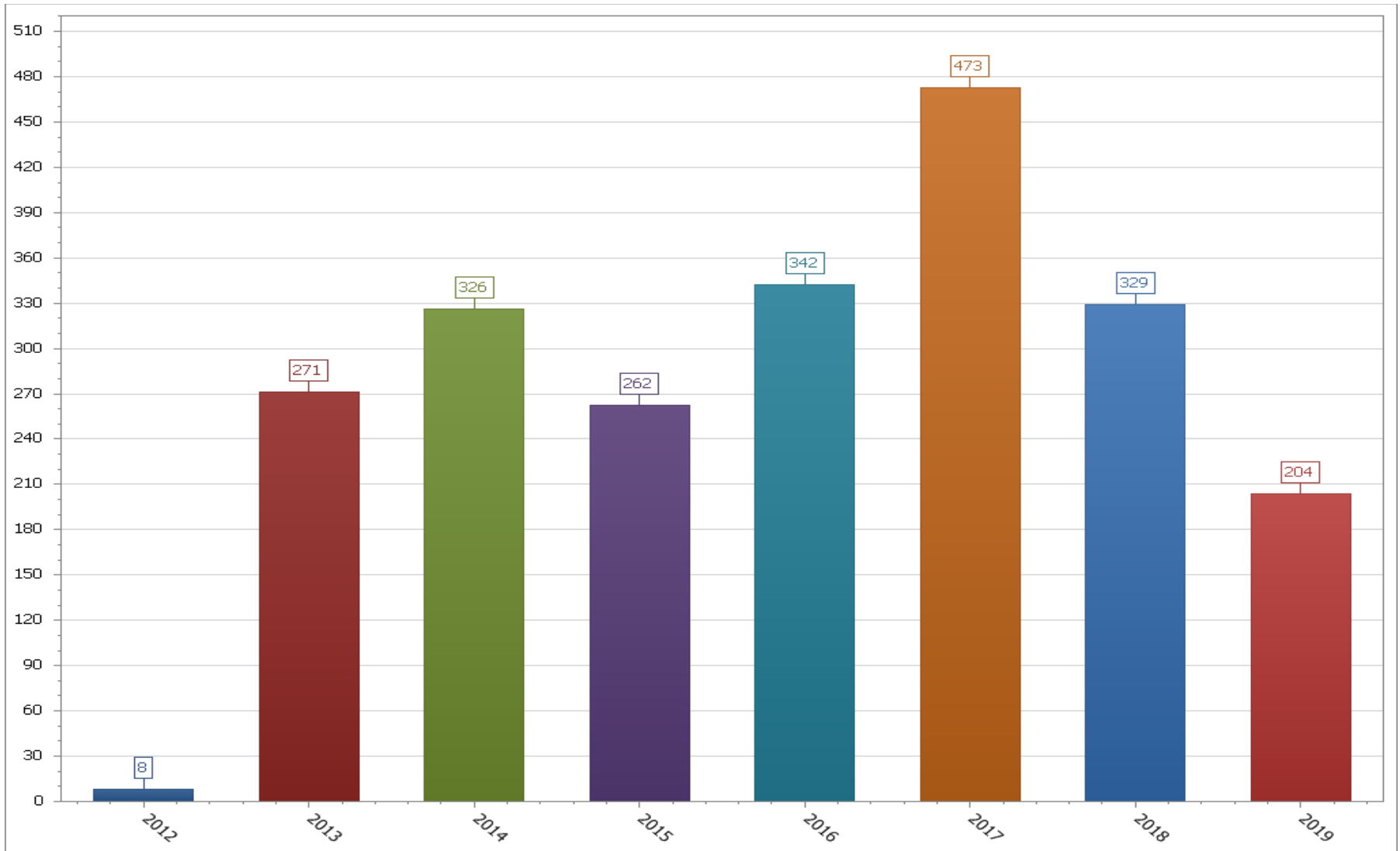
All Part 145 Findings



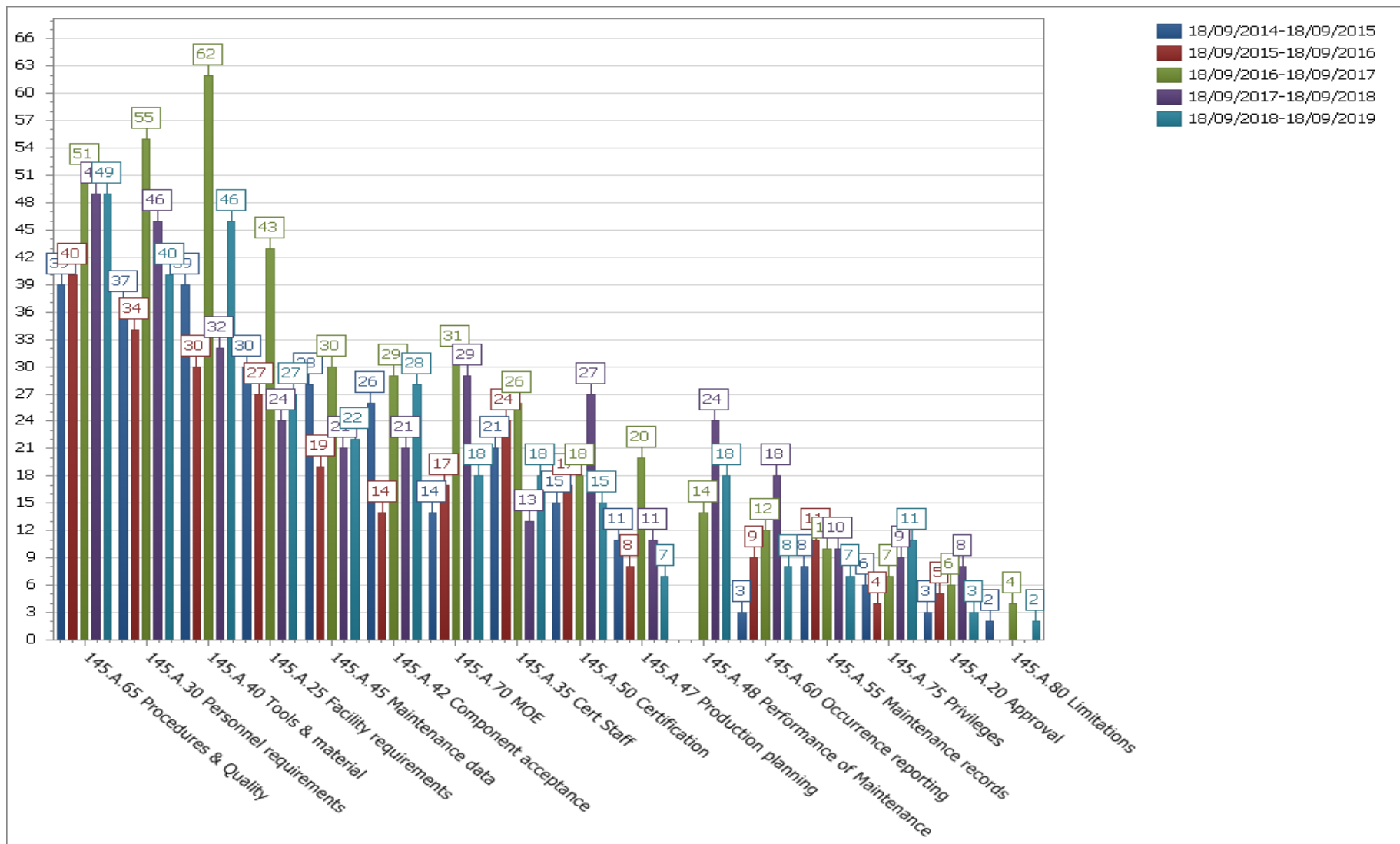
Part 145 MRO Findings - Standard



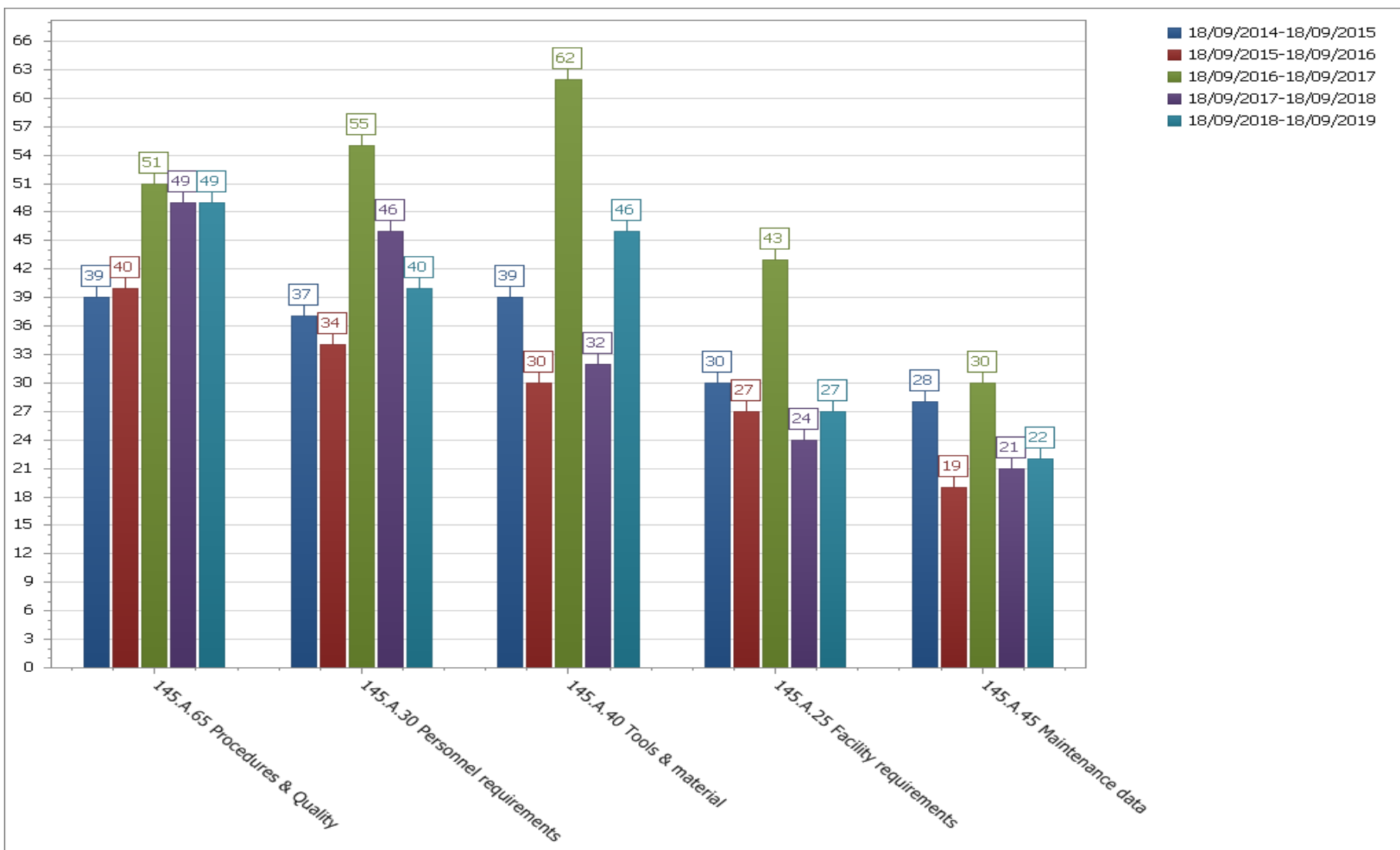
Part 145 MRO Findings – by Year



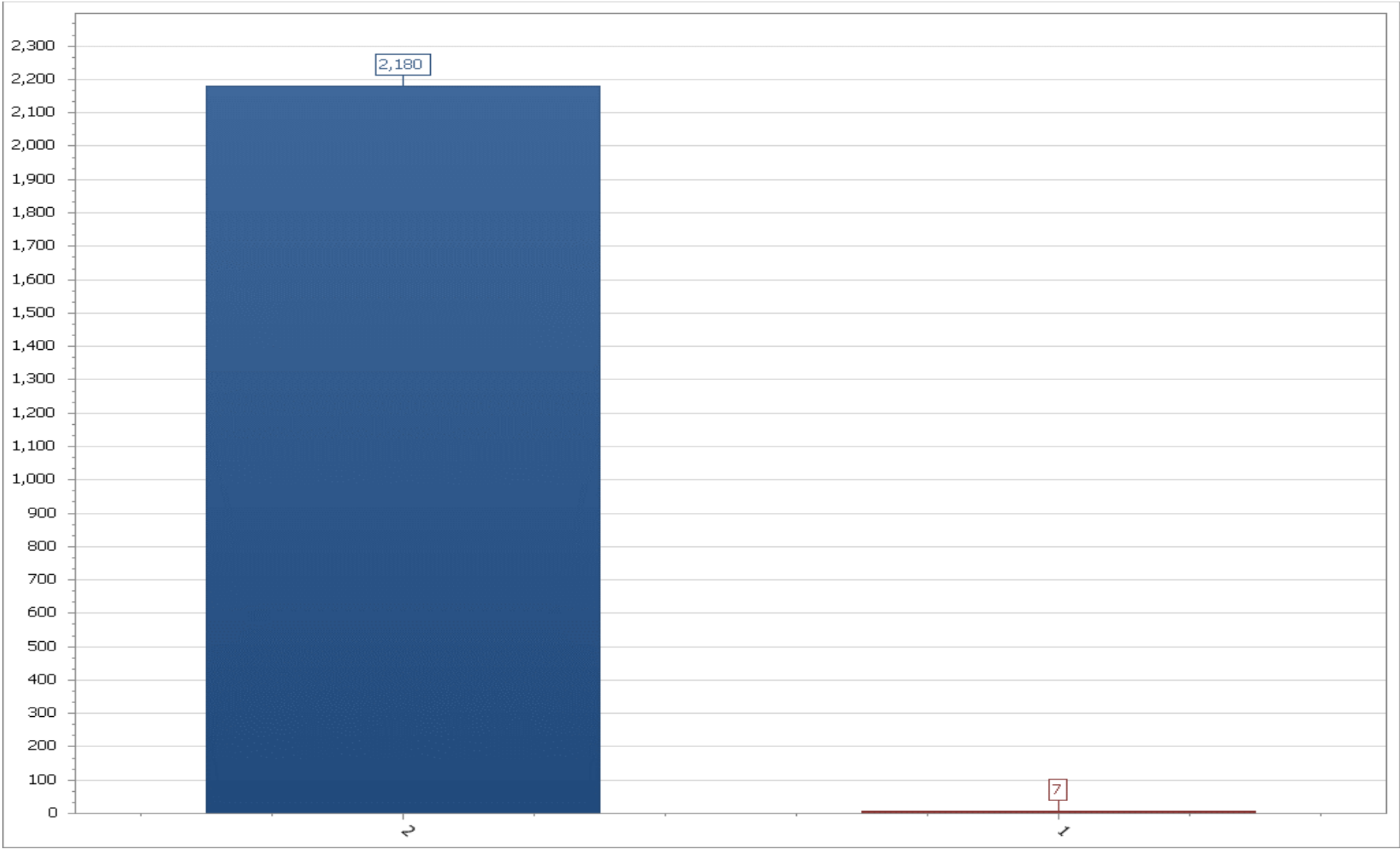
Part 145 MRO Findings – Standard by Year



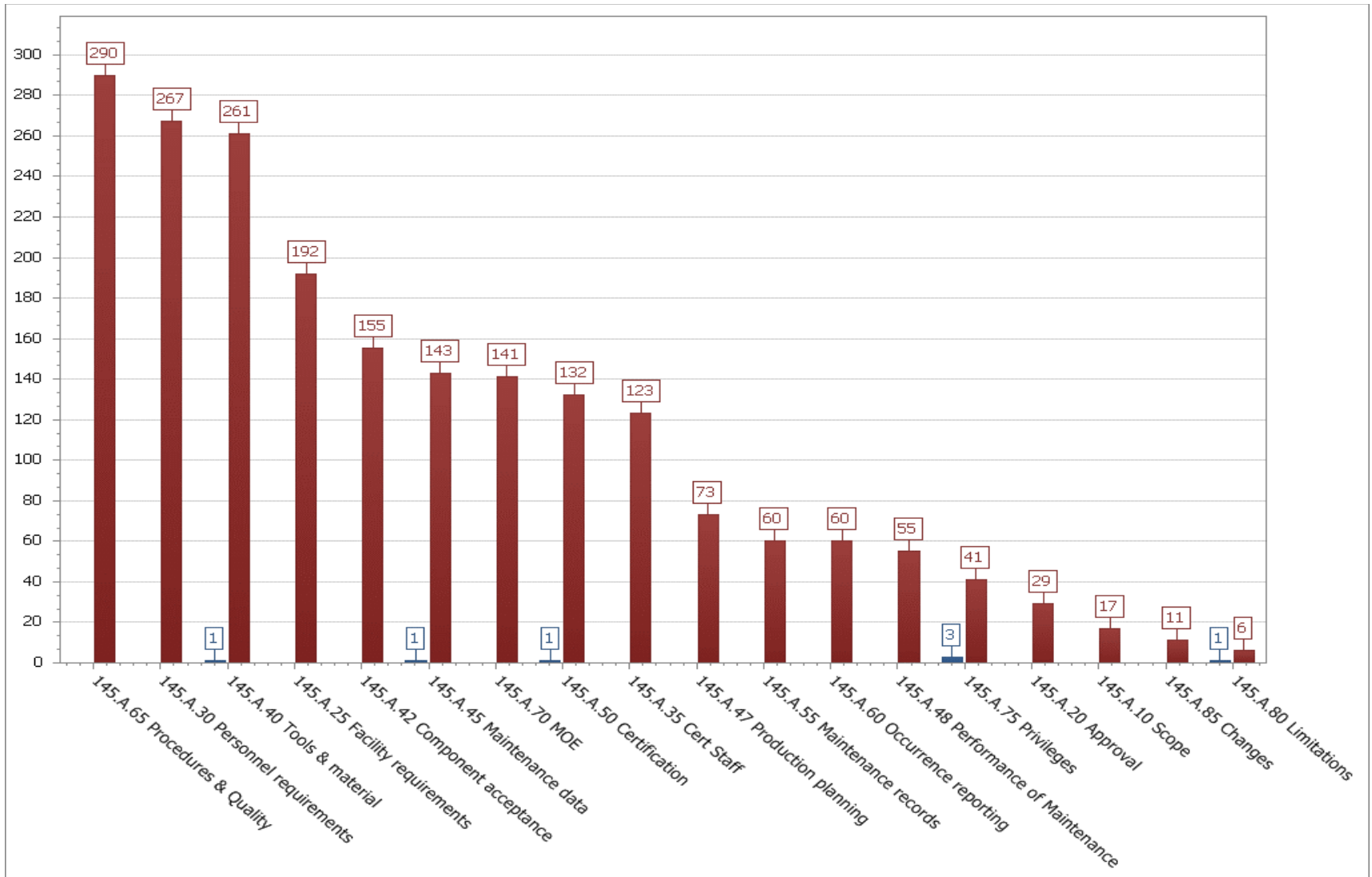
Part 145 MRO Findings – Top 5 by Year



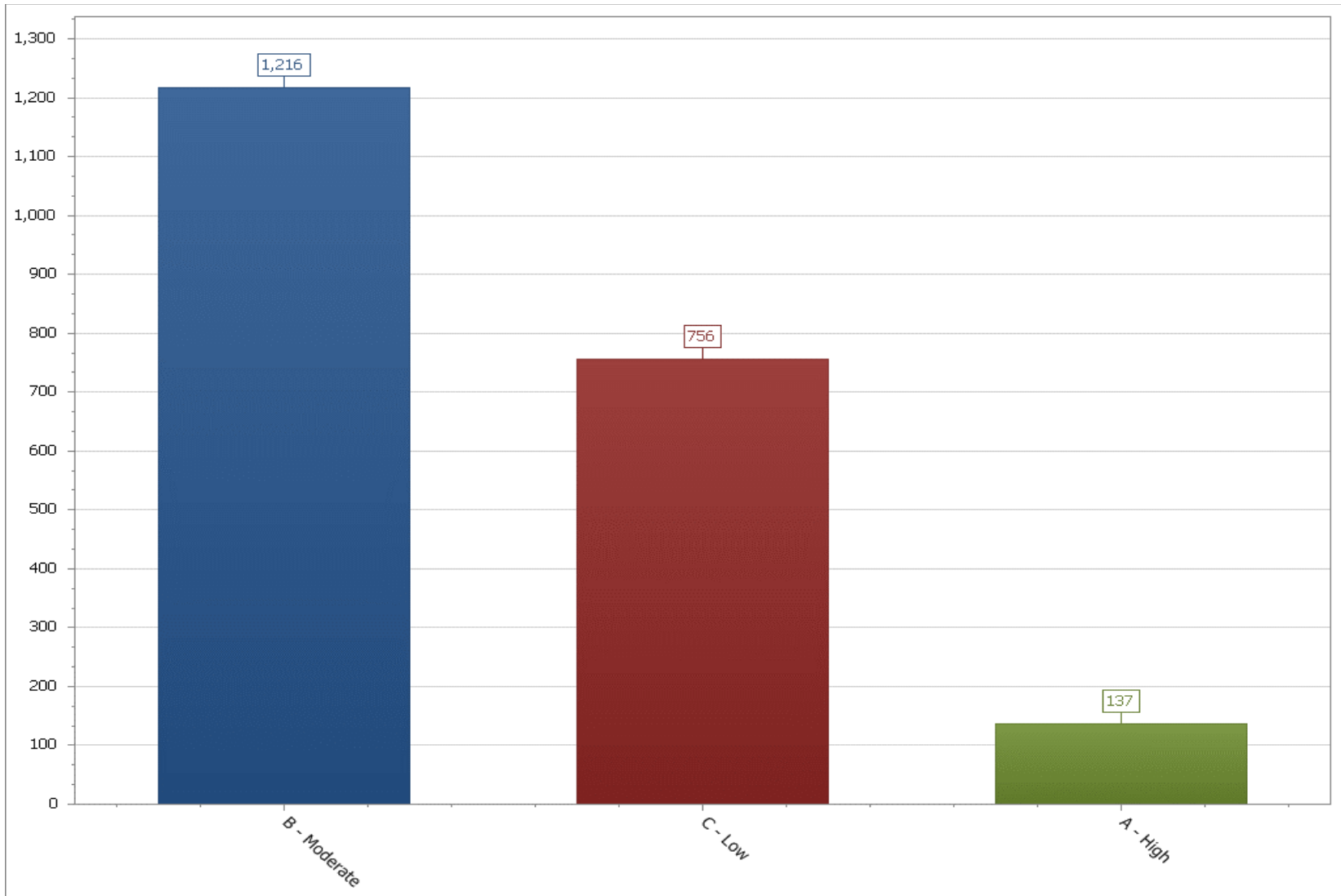
Part 145 MRO Finding Levels



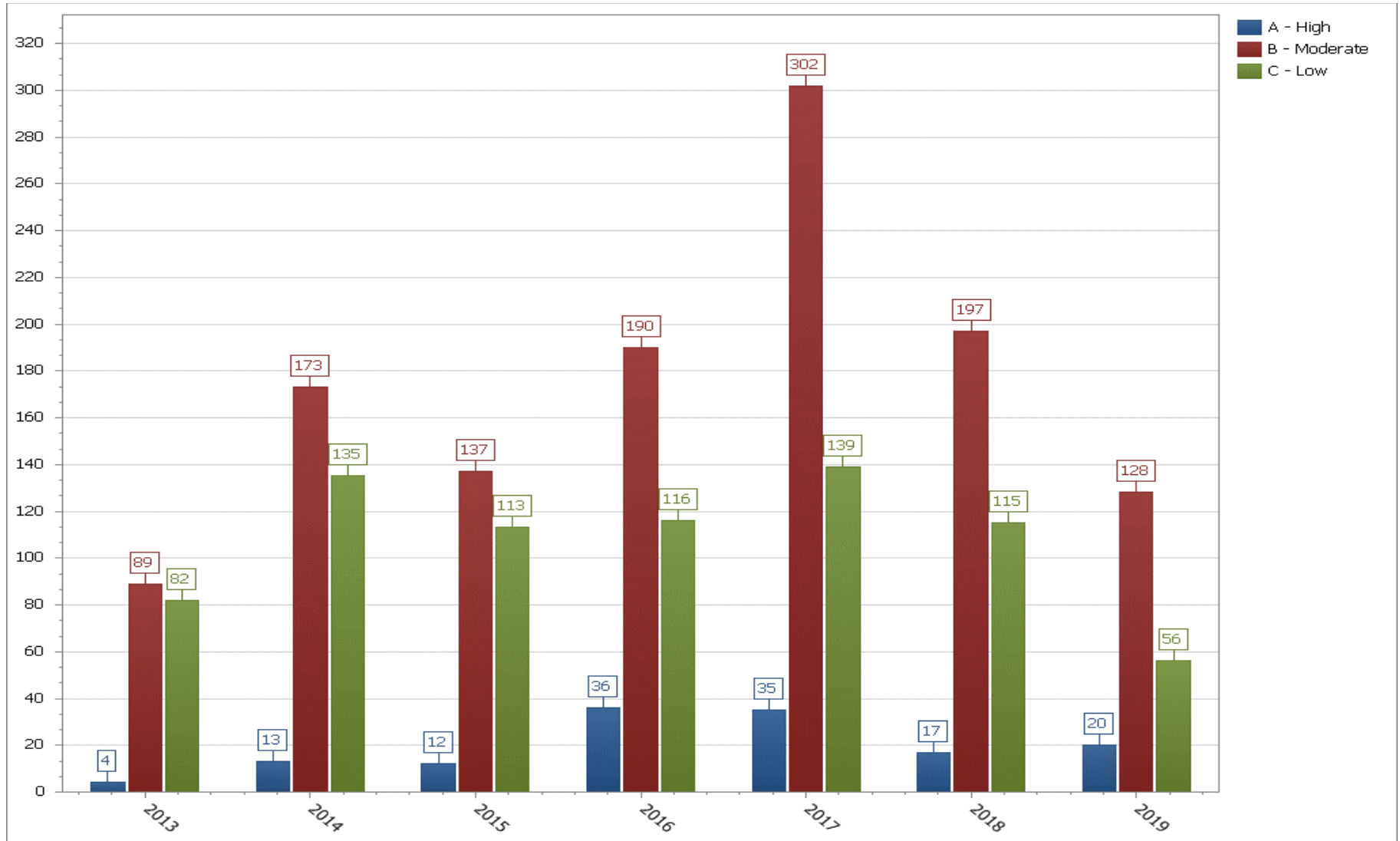
Part 145 MRO Finding Levels by Standard



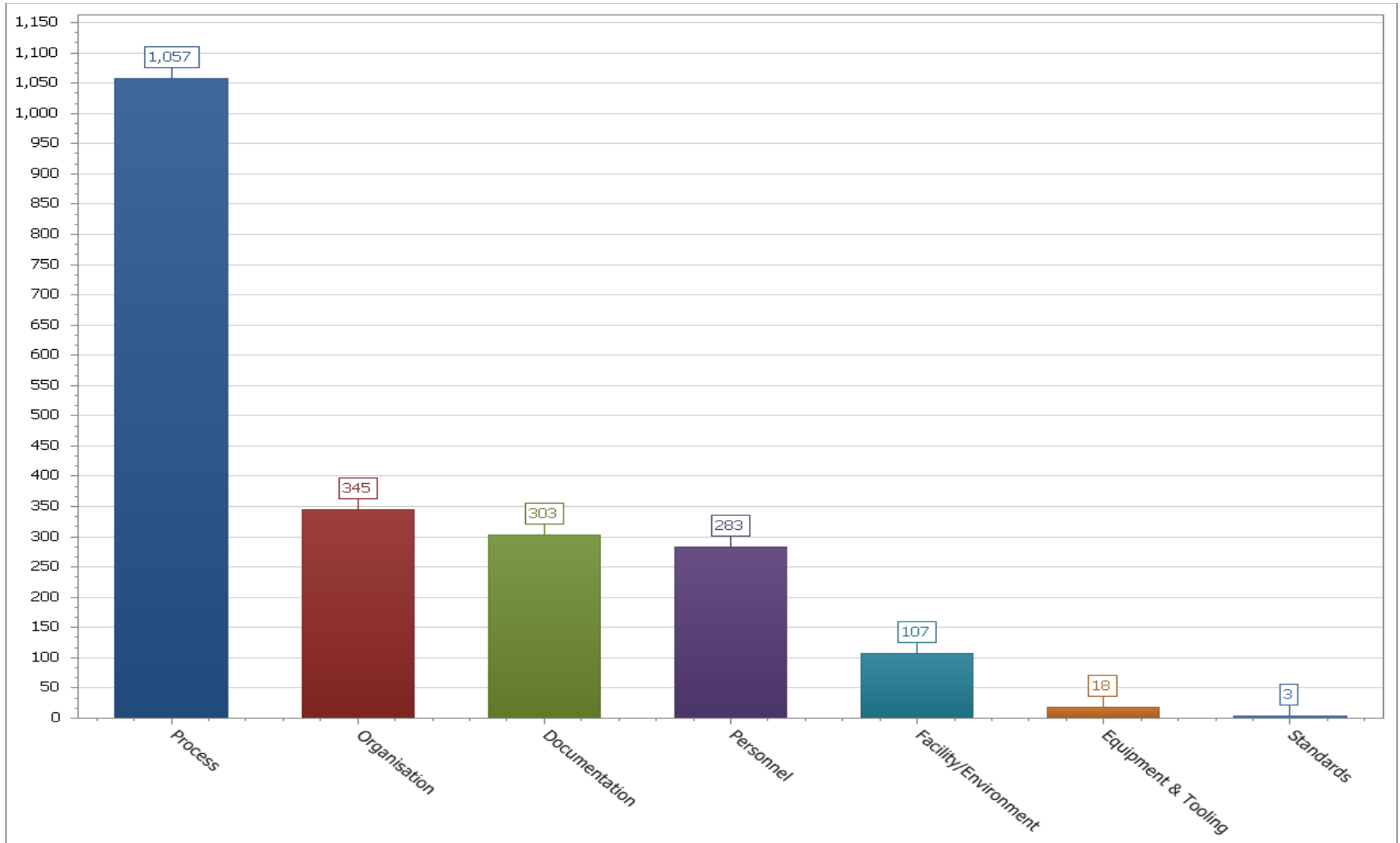
Part 145 MRO Findings Safety Severity



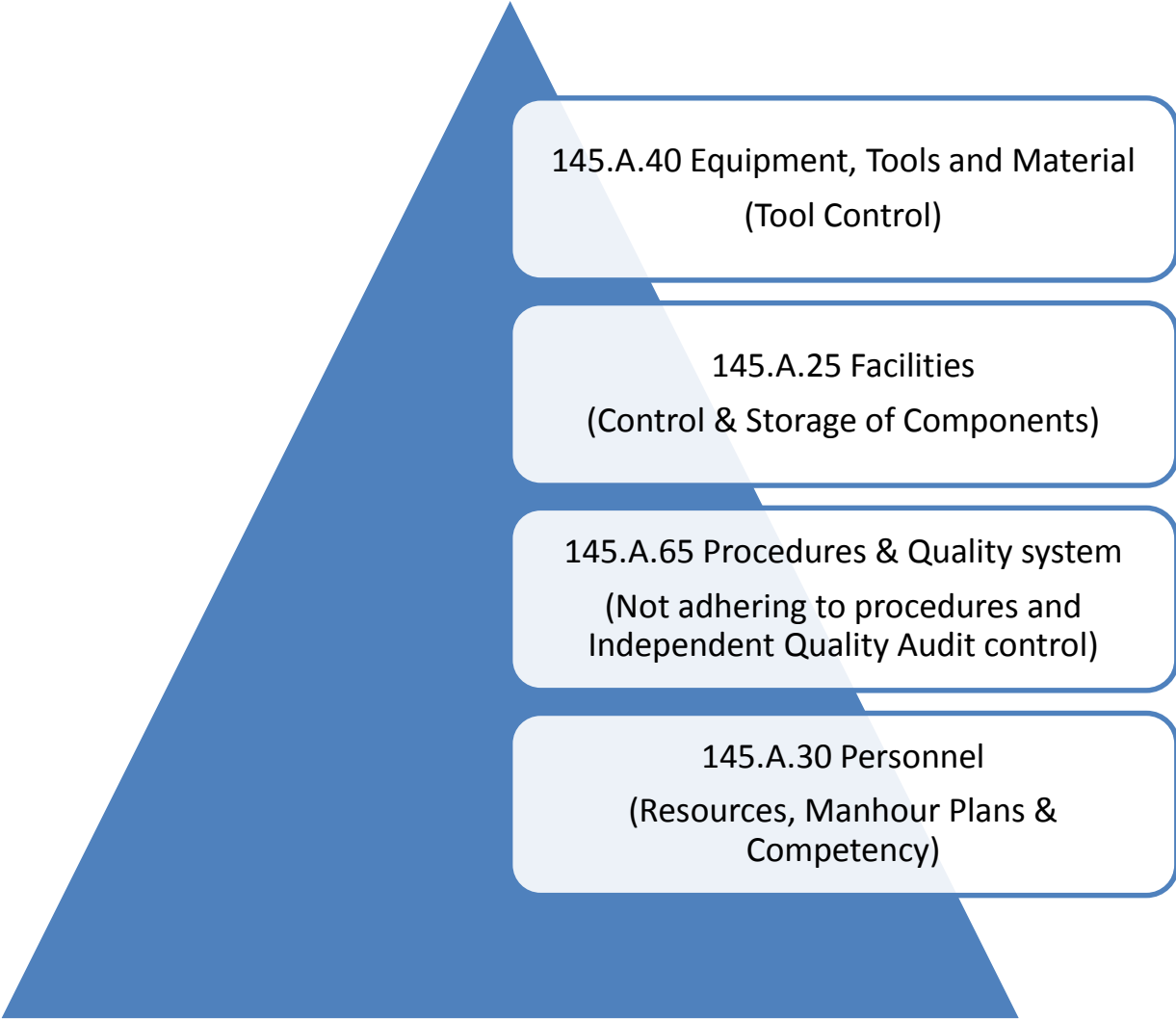
Part 145 MRO Findings Safety Severity by Year



Part 145 MRO Findings Response Root Cause



Findings Summary – Part 145 MRO



145.A.40 Equipment, Tools and Material
(Tool Control)

145.A.25 Facilities
(Control & Storage of Components)

145.A.65 Procedures & Quality system
(Not adhering to procedures and
Independent Quality Audit control)

145.A.30 Personnel
(Resources, Manhour Plans &
Competency)

Thank You

