APQP DEPLOYMENT



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ROLLS-ROYCE



Higher quality is synonymous with increased product safety.

The primary objective is to improve quality and reduce cost.

A common process up and down
the supply chain removing wasted
effort and mis-communications.

Products reach faster maturity with

fewer engineering changes and

defects in the early stages of

production and product use.

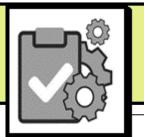


Proactive toolbox to focus cross-

functional teams on risk identification

and mitigation early in

the process.



Provides a foundation for successful ongoing change management

- design modification, works transfers, changes to manufacturing method

Application within Rolls-Royce of AS13100/9145 APQP and PPAP



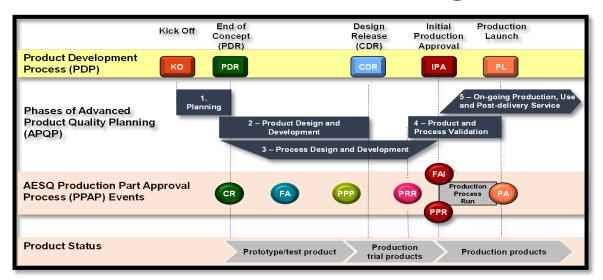


Ourselves...Rolls-Royce Civil Aerospace is fully committed to APQP, PPAP and Cross functional working.

Our Customers...they are asking for this.

Our Suppliers...AS13100 APQP and PPAP means we have significantly reduced our Customer Specific Requirements.

AS13100 APQP & PPAP Timing Chart



Rolls-Royce Management System



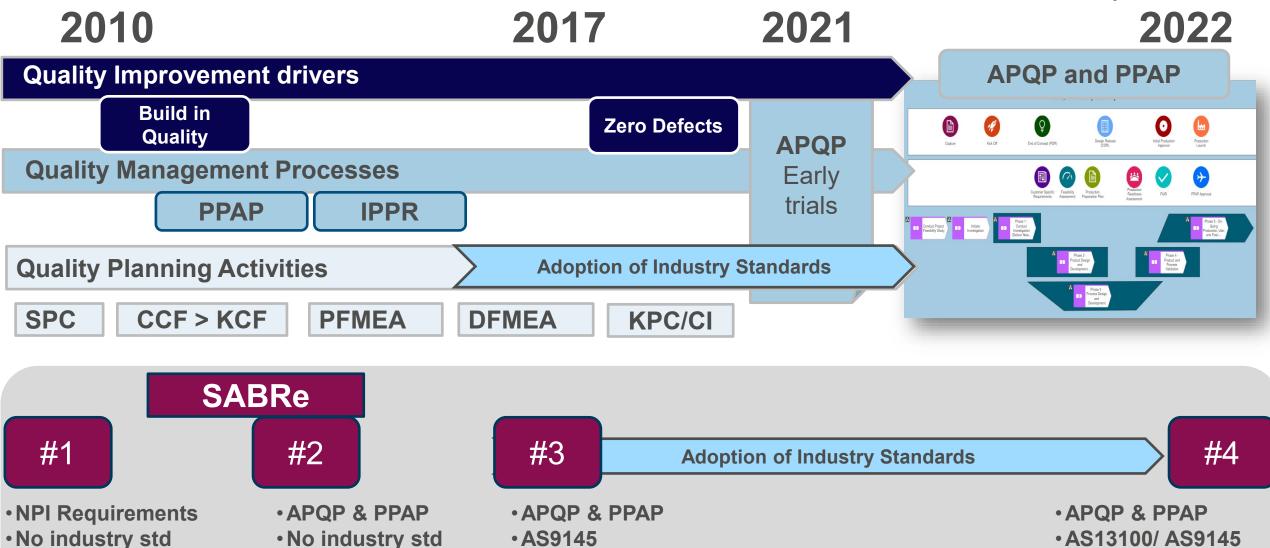
Our Journey to APQP

•RR Specifics (extensive)

•RR Specifics (lots)



•RR Specifics (min.)



RR Specifics (fewer)

Self reflection on our APQP implementation

Pillars of success:

- **Leadership** engagement, organisational commitment and management support
- Cross-functional teams it's a team sport of more than one function/department
- Effective project planning and Managing the project to ensure on-time completion of defined deliverables and outputs





Leadership

- Senior Sponsorship & engagement in concepts
- Business Plan Deployment alignment
- Novel learning practices:
- APQP Games & simulations
- Video bite size learning



Functional

Cross

Teams Launch framework

- Define RACI for activities and Elements
- Building "User Case" value streams (network diagram)
- Functional coaches (DE. ME, PM, Purchase)
- Adopting AS13100 (RM13145) tools:
 - APQP / PPAP Timing Plan
 - Application Matrix



Management **Project Planning**

- Alignment of APQP and **PPAP** Events to business change management decisions
- RAPID Decision making for Events
- Visual Management / Kanban Boards for the teams.

Foundations

Sponsor (right shadow), Champions (remove barriers), Function Leaders (develop their people) and Core Team (right practices & tools)

Your Winning Cards – Steps to Successful Deployment



Project Planning & Management

Confirm decision makers – RAPID for each APQP & PPAP Event.

Define practices for concern management

Develop Leaders of Change

Est. Deployment Champion(s)
 to remove barriers to success.
 Est. Functional Leads – to
 develop their people capability.
 Est. Core team – to ensure the right practices and tools are available

It's a Team Sport

Clear cross functional
accountability –
RACI for each Planning
Deliverable and APQP Element.

Each time you start

Upfront requirements
capture – Establish and
confirm these as early as
possible with Customers &
stakeholders

People Process

Availability of capable peopleMaintain Training plan and people planning process





Progress with a Plan

Utilise RM13145 – Applications matrix act as your menu...
Events, deliverables & Elements

APQP & PPAP Timing Plan gives you a Planning template.



Let's Grow our Community





AESQ APQP & PPAP (RM13145) Community of Practice

It's Good To 'Talk'

Raise questions, share ideas & good practices

Search LinkedIn "AESQ Community of Practice"

APQP & PPAP

Zero Defects Tools
Measurement System Analysis
Problem Solving
Human Factors
Etc

Use "RM13145" it contains a volume of good practices

