



AS13100 / AS9145 APQP & PPAP Kit

Launch a new aerospace part the way engine and airframe primes expect.

What's inside

File	What it is / how to use it
01_APQP_PFMEA_Control_Plan_PPAP_Workbook.xlsx	APQP 5-phase timeline with Gantt and overdue flags; process flow; PFMEA with RPN and Action Priority; control plan that flags weak key-characteristic controls; PPAP element checklist by submission level with readiness %.
02_Part_Submission_Warrant_and_Package_Cover.docx	Original PSW layout and package cover checklist.

Recommended order

1. Load customer requirements; set the start date on APQP Timeline.
2. Build the Process Flow; its step numbers feed PFMEA and Control Plan automatically.
3. Score the PFMEA as a team; act on every H.
4. Write the Control Plan; clear every flag.
5. Run MSA and capability (our Gage R&R pack and SPC Tools work here), then FAI (our AS9102 kit).
6. Pick the PPAP level; complete the checklist and sign the warrant.

AS13100, AS9145, AS9102 and the AIAG manuals are referenced by number only; this kit does not contain their text or forms. Your customer's requirements and forms override.

About the author

Built by Matt Norman, US Navy veteran and former SpaceX Falcon 9 quality inspector and QA supervisor. (Not affiliated with or endorsed by SpaceX.) Norman Quality Tools is Veteran-Owned & Operated. Contains no SpaceX, government, or customer proprietary information; all example data is made up.

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Part Submission Warrant (PSW) & Package Cover

AS13100 / AS9145 APQP & PPAP Kit - Document 02 - Rev A (2026-10)

Original submission warrant layout. Use your customer's form if they have one.

Part information

Part number		Part name	
Drawing rev / date		Engineering change #	
Customer		Customer PO	
Supplier name		Supplier code / CAGE	
Manufacturing site address		Weight (if required)	

Reason for submission

☐ New part
 ☐ Engineering change
 ☐ Tooling transfer / new tooling
 ☐ Correction of discrepancy
 ☐ Change of material/source
 ☐ Change of process or site
 ☐ Inactive tooling > 2 years
 ☐ Other

Submission level

☐ Level 1
 ☐ Level 2
 ☐ Level 3
 ☐ Level 4
 ☐ Level 5

Results

☐ Dimensional
 ☐ Material / functional tests
 ☐ Appearance
 ☐ Statistical data

These results meet all drawing and specification requirements: ☐ Yes ☐ No (explain below)

Explanation / comments / deviations

Declaration

I affirm that the samples represented by this warrant are representative of our parts, were made by a process that meets all requirements, and from production tooling and processes at the production rate. Any deviations are noted above.

Role	Name	Signature	Date
Supplier authorized signature			
Customer disposition: ☐ Approved ☐ Rejected ☐ Interim			