

Production Part Approval Process (PPAP) Syllabus

Week/Module	Topics
Week 0	<ul style="list-style-type: none"> • Demo Video • Welcome to the course • Course Schedule • Grading Policy • Exam Details • FAQ
Week 1: What is the Production Part Approval Process (PPAP)?	<ul style="list-style-type: none"> • What is the Production Part Approval Process (PPAP)? • Production Run • Purpose of PPAP • What's the Difference in PPAP vs. FAI? • When is PPAP Required? • Benefits of PPAP Submissions • Weekend Assessment
Week 2: PPAP Element 17: Eaton Requirements	<ul style="list-style-type: none"> • PPAP Element 17: Eaton Requirements • PPAP Status • Eaton PPAP Process • Elements in PPAP Requirement • Weekend Assessment
Week 3: PPAP Element- 1, 2, 3	<ul style="list-style-type: none"> • PPAP Element #1: Design Record • PPAP Element #2: Authorized Engineering Change Documents • PPAP Element #3: Customer Engineering Approval • Weekend Assessment
Week 4: PPAP Element #4: Design Failure Mode and Effects Analysis	<ul style="list-style-type: none"> • DFMEA • Difference between DFMEA and PFMEA • DFMEA Common Pitfalls • DFMEA EXAMPLE • Weekend Assessment
Week 5: PPAP Element #5: Process Flow Diagram(s)	<ul style="list-style-type: none"> • Preparing the Process Map • Reviewers Checklist • Weekend Assessment
Week 6: PPAP Element #6: PFMEA	<ul style="list-style-type: none"> • Objective and purpose of PPAP • PFMEA STEP 1 <ul style="list-style-type: none"> ○ Potential Failure Mode • PFMEA STEP 2

	<ul style="list-style-type: none"> • PFMEA STEP 3 • PFMEA STEP 4 • PFMEA STEP 5 • PFMEA STEP 6 <ul style="list-style-type: none"> ○ PFMEA - Terms of Definition ○ Occurrence definition rating • PFMEA STEP 7 • PFMEA STEP 9 and 10 • Summary Steps to Complete an FMEA • Weekend Assessment
Week 7: PPAP Element 7 & Element 8	<ul style="list-style-type: none"> • PPAP Element #7: Control Plan <ul style="list-style-type: none"> ○ Reviewer's checklist • PPAP Element #8: Measurement system analysis. <ul style="list-style-type: none"> ○ Process Variation ○ Precision and Accuracy ○ Resolution and Repeatability ○ Variable MSA – Gage R&R Steps ○ Tips for some lessons learned ○ Reviewer Checklist • Weekend Assessment
Week 8: Element 9, 10, 11	<ul style="list-style-type: none"> • PPAP Element #9: Dimensional Results <ul style="list-style-type: none"> ○ Reviewer's Checklist • PPAP Element #10: Records of Material/Performance Test Results <ul style="list-style-type: none"> ○ Material Test Results ○ Performance Test Results • PPAP Element #11: Initial Process Studies <ul style="list-style-type: none"> ○ Capability studies ○ Reviewer's Checklist • Weekend Assessment
Week 9: PPAP Element 12, 13, 14, 15, 16	<ul style="list-style-type: none"> • PPAP Element #12: Qualified Laboratory Documentation • PPAP element #13: Appearance Approval Report (AAR) <ul style="list-style-type: none"> ○ Tooling for production • PPAP Element #14: Sample Production Parts • PPAP Element #15: Master Samples • PPAP Element #16: Checking Aids • Weekend Assessment
Week 10: PPAP Element #17 and 18	<ul style="list-style-type: none"> • Element #17: Customer-Specific Requirements <ul style="list-style-type: none"> ○ APQP kick-off team and APQP Timeline Template ○ Production feasibility agreement (PFA) ○ Gage Plan ○ Gage correlation matrix

	<ul style="list-style-type: none">○ Production Readiness Review● PPAP Element #18: Part submission warrant<ul style="list-style-type: none">○ Reviewers Checklist● Weekend Assessment
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Final Exam Details:

If you wish to obtain a certificate, you must register and take the proctored exam in person at one of the designated exam centres. The registration URL will be announced when the registration form is open. To obtain the certification, you need to fill out the online registration form and pay the exam fee. More details will be provided when the exam registration form is published, including any potential changes. For further information on the exam locations and the conditions associated with filling out the form, please refer to the form.

Grading Policy:

Assessment Type	Weightage
Weekend Assessment	25%
Final Exam	75%

Certificate Eligibility:

- 40% marks and above in weekend assessment
- 40% marks and above in the final proctored exam

Disclaimer: In order to be eligible for the certificate, you must register for enrolment and exams using the same email ID. If different email IDs are used, you will not be considered eligible for the certificate.