

AIAG

SPC consulting group

PPAP

PRODUCTION PART APPROVAL PROCESS

Objective:
The participant will know in detail the 18 requirements of a PPAP, will understand which changes should be notified to the client and will be able to identify when a PPAP is complete and meets the AIAG guidelines.

Prerequisites:
- Basic knowledge of IATF 16949:2016 (desirable)
- Experience in manufacturing environments
- Knowledge of the production approval process

Duration:
8 hours

PPAP - Production Part Approval Process (4th Edition)

Introduction
- Importance of PPAP
- Relation to IATF 16949:2016
- When a PPAP is required?
- Who is responsible for PPAP?

18 PPAP Requirements
- Significant production run
- Design records
  + IMDS – International Material Data System
  + Marking of polymeric parts
- Authorized engineering change documents
- Customer engineering approval
- Design FMEA
- Process flow diagram
- Process FMEA
- Control Plan
- MSA – Measurement System Analysis
- Dimensional results
- Records of material / performance test results
- Initial process studies (Cp, Cpk, Pp, Ppk)
- Qualified laboratory documentation
- Appearance Approval Report (AAR)
- Sample production parts
- Master sample
- Checking aids
- CSR – Customer Specific Requirements
- PSW – Part Submission Warrant

Customer notification

PPAP submission levels

PPAP disposition

Record retention