SE APQP-PPAP

APQP - Advanced Product Quality Planning
PPAP - Production Part Approval Process

Ensure the Quality of Your Products and Exceed Customers' Expectations

Overview

Advance Product Quality Planning is a framework of procedures and techniques used to ensure high quality products or services. The goal of product quality planning is to facilitate the communication with everyone involved with the process in order to improve the end results. There are many benefits. These include focusing resources on customer satisfaction, early identification of required changes, and quality products delivered on time and at the lowest possible cost.

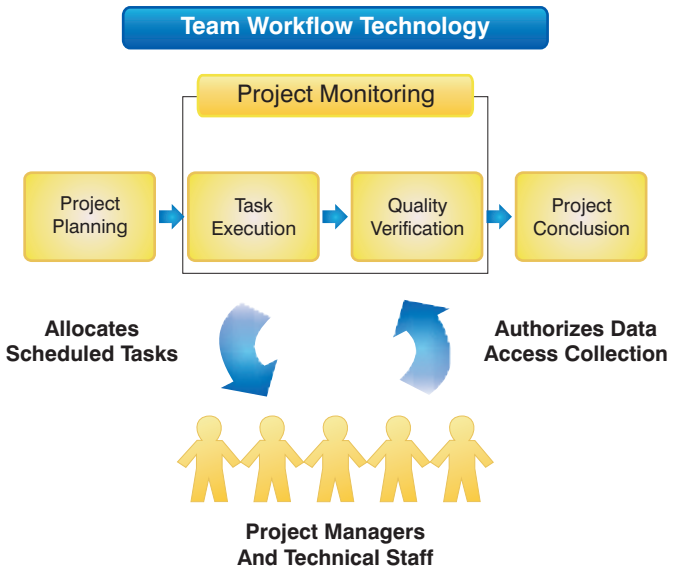
SE Advance Product Quality Planning, or APQP, automates the methods for managing the development and change of products. It serves as a guide in the product development process, while also standardizing the methods of sharing results between suppliers and manufacturers. What's more, this tool will help guide you through development, industrialization and product launch with a focus on meeting your customers' needs.

SE APQP helps ensure simple and effective control in the development of new products. It also helps you comply with the requirements established both by quality standards and your individual customers. Reports are generated and stored throughout the entire process.

SE APQP uses Team Workflow — a powerful mechanism which ensures all activities and deadlines throughout the APQP process are completed in a timely manner. It works by automatically notifying users, via e-mail, of pending tasks. If there's any delay in completing tasks, those responsible for the process control will be notified.

SE APQP helps you meet international quality standard requirements such as ISO/TS 16949, VDA, and others.

Team Workflow



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Features

- Generates APQP schedules into spreadsheets and Gantt charts to show estimated vs actual activity comparison.
- Allows forms to be completed by assigned users and electronically signed by approvers. Then updates schedules automatically.
- Generates company-defined checklists of product quality planning and automatically sends pending tasks to assigned users.
- Sends all APQP documents to customers through the Internet with electronic signature of the Submission Warrant and APQP results.
- Provides a database of parts, revisions, and characteristics.
- Eliminates the need for data re-entry by copying partial or complete data from a completed part form to a similar part form.
- Identifies and controls special product and process characteristics.
- Provides a catalog of failure modes, effects, causes and controls for FMEA analysis of measurement systems performing R&R, bias, linearity, and stability studies, including the ANOVA method. Results can be viewed in various types of graphs and charts.
- Performs process capability study based on variables (values measurement) and attributes (defect counting). Creates spreadsheets and control charts for average, range, scatter, histogram, quantity and ratio of defect items, and more.
- Calculates process directories, including Cp, Cpk, Pp, Ppk, ZLSL and ZUSL, and provides interface for automatic data collection from digital measuring instruments.
- Allows for attachment of electronic documents such as CAD drawings, flowcharts, technical specs, and scanned documents to APQP processes. Documents can be visualized directly by SE APQP without the need to launch their native applications.
- Searches forms and documents from all known data such as part, revision, feature, customer, result, and others. Authorized users can view these forms and documents from any computer on the network.
- Saves APQP document revisions and automatically identifies changes.
- Generates documents in compliance with many ISO standards.

Creates Electronic Forms Including:

- APQP schedule with Gantt chart.
- Process flow diagrams.
- Team feasibility commitment.
- FMEA of products and processes.
- Process control plans.
- Measurement systems analysis (R&R).
- Process capability studies with control charts and histograms.
- Product quality planning summary and sign-off.
- Appearance approval report.
- Dimensional results.
- Material and performance test results.

Part submission warrant.

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