Factsheet

XFT PPAP File

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About XFT PPAP File

Standard-Compliant Quality Control for Samples – in Your SAP System

Before you mass-produce a component or procure a part for your own manufacturing department, the sample must be fully tested. There are clearly defined standards for sampling, including the US standard PPAP (Production Part Approval Process) and the standard PPF (Production Process and Product Approval) issued by the German Association of the Automotive Industry (VDA). There are many steps that require consideration.

XFT PPAP File enables you to process all standard requirements directly in your SAP system in line with your schedule – at the specified submission level. Sampling documents are created automatically and can then be exchanged with your suppliers. This allows you to work faster and more productively – while documenting the entire quality management process.

Overview of Features

Entering the Sampling Inspection

- Create the sampling inspection for the material master and plant.
- Enter additional header data, such as supplier, customer(s), order, project, drawing number, tool, target deadline for completing the quality inspection, and so on.
- Select the underlying standard (PPAP, VDA2, customer-specific standard) and the relevant submission level. The requirements to be processed according to the standard are determined based on these.
- Specify whether quality inspections are to be carried out for the part manufactured in-house, for the purchased part, or for both variants, and specify the direction of the quality inspection (to the customer, to the supplier).
- Specify the reason for the quality inspection: initial sampling inspection, re-inspection, change to the production process, re-qualification, and so on.
- You can define a family of parts for which just one joint quality inspection is carried out (which is then valid for all parts of the family).

Editing the Requirements and Creating the Sampling Report

- The following requirements, which are relevant according to the standard, are managed: processing status, agent, scheduling for planned completion.
- You can include requirements in the inspection scope that are not relevant according to the submission level or classify requirements as not relevant.

- Links to the relevant SAP master data: material master, customer, supplier.
- You can store documents and results for the requirements, for example, documents for a technical change, design and process FMEA, measurement results, and so on. The inspection documents are securely stored and managed via SAP and are subject to access authorization.
- Similarly, you can store and manage documents provided by the supplier for the individual requirements.
- You can classify the documents with a standard document type.
- You can document the processing status of the requirements (degree of processing, e.g. 25%), from which you can calculate the degree of processing for the entire process.
- You can store notes on the requirements.
- Specify whether the requirements are only processed internally or whether results are communicated to the customer (submit, for inspection, after customer inquiry).
- You can enable integration with Outlook or Lotus Notes to easily document e-mail exchanges with customers or suppliers for the sampling inspection.
- You can store technical drawings of the process either by integrating an existing document info record or by assigning the drawing directly. In the latter case, SAP generates a document info record for the drawing.
- An interface for stamping drawings is available. If suitable stamping software is connected, stamp data can be transferred automatically to SAP in the assigned document info record.
- An inspection plan can be generated from the stamp data. The inspection plan can be linked to the sampling inspection.
- Other objects from SAP QM can be integrated with the quality inspection, for instance, inspection lots and corresponding catalogs.
- You can explode and view the BOM for the material.
- You can display the use of the material as a component in BOMs.
- You can view the sampling path for the material (when was this material sampled and with what result).
- A cover sheet for the quality inspection (standard-compliant) can be generated automatically from the processing result; the cover sheet is available as a preview during processing.
- The cover sheet can also be displayed in a data-oriented view so that further information on the sampling inspection can be added manually.
- You can include other documents in the sampling report.
- The inspection documents can be converted to PDF and combined into one document. An interface for opening a PDF converter is available for this purpose.
- Once requirements have been checked successfully, the status can be set to *Approved*.
- If variances are determined during the quality checks, these can be documented in the sampling inspection. You can start a workflow which ensures that the decision to accept or reject the variance is made in accordance with the principle of dual control.
- The status for the entire process can be specified: Approved, Approved with Conditions, Rejected, and so on.
- The status for the entire process can also be set automatically when the status of the last open process is changed, or an approval workflow is triggered and the decision to use quality inspections is made in accordance with the principle of dual control.
- Upon completion of the sampling inspection, the cover sheet is generated automatically together with any additional documents and stored as a read-only document for the sampling inspection. The sampling report can be sent by e-mail.

- A customer decision on the quality inspection result (accepted, rejected) can be documented in the sampling inspection, together with any correspondence.
- If a quality inspection was not completed with the result *Approved*, a re-inspection is required. For this purpose, the system creates a new process with all existing documents and results as a copy, which can now be reworked.

Enhancements to this functionality can be implemented in the project, for example.
- Automatically generate intermediate cover sheets for individual requirements.
- Supplement additional company-specific requirements or set up a company standard.
- Compare the status of the assigned inspection plan with the status of the assigned requirements.
- Exchange requirements and assigned documents with a supplier through collaboration (of XFT, SAP, or inclusion of a third party).

Embedding the Quality Inspection into the SAP Applications

- You can branch to the assigned sampling inspections in the material master. This enables you to view and check the inspection status for the material at any time.
- A function is available which expands all components for an assembly and displays the inspection status of all components. This provides you with a clear overview of the inspection status for a complex product.
- Searches for sampling inspections, open requirements or direct searches for documents in sampling inspections are available.
- A reminder function is available which prompts you to re-qualify a component according to defined time periods or rules.

The following can be implemented in the project as enhancements using these basic functions:

- Respond to the goods receipt of a sample and trigger the sampling inspection or update it with new information (e.g. created inspection lot).
- Update the sampling inspection when the inspection lot usage decision is made.
- Evaluate the inspection status of purchased parts and take this into account in procurement processes.
- Reporting and, if applicable, a chart showing the quality inspection status of an assembly.

Would you like to learn more about our products or see what XFT PPAP File can do for your business? Contact us today for a live demo!

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