PLATO Inspection Plan

An operator inspection plan is the foundation for any measurements taken for quality control purposes in production. The inspection plan documents the features to be checked, test procedures used and persons responsible, among other things. It is the final result of the quality planning process. Data from the control plan (PLATO Control Plan) is used as the basis when creating an operator inspection plan.
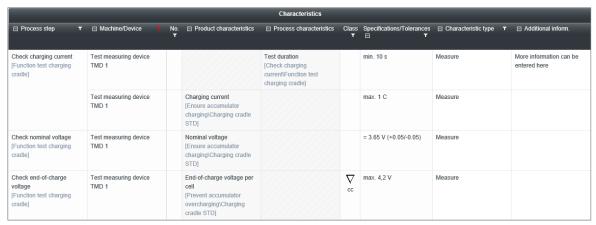
Characteristics							
⊟ Process step ▼	⊟ Machine/Device ❗	No. ▼	⊟ Product characteristics	⊟ Process characteristics	Class ▼	Specifications/Tolerances ⊟ ▼	⊟ Characteristic type ▼	⊟ Additional inform.
Check charging current [Function test charging cradle]	Test measuring device TMD 1			Test duration [Check charging current\Function test charging cradle]		min. 10 s	Measure	More information can be entered here
	Test measuring device TMD 1		Charging current [Ensure accumulator charging\Charging cradle STD]			max. 1 C	Measure	
Check nominal voltage [Function test charging cradle]	Test measuring device TMD 1		Nominal voltage [Ensure accumulator charging\Charging cradle STD]			= 3.65 V (+0.05/-0.05)	Measure	
Check end-of-charge voltage [Function test charging cradle]	Test measuring device TMD 1		End-of-charge voltage per cell [Prevent accumulator overcharging\Charging cradle STD]		▽ cc	max. 4,2 V	Measure	

Fig. 1: Operator inspection plan - Characteristics

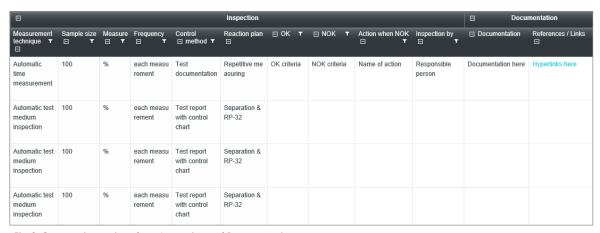| Inspection										Documentation	
Measurement technique ▼ ⊟	Sample size ⊟ ▼	Measure ⊟ ▼	Frequency ⊟ ▼	Control ⊟ method ▼	Reaction plan ⊟	⊟ OK ▼	⊟ NOK ▼	Action when NOK ⊟ ▼	Inspection by ⊟ ▼	⊟ Documentation ⊟	References / Links ⊟
Automatic time measurement	100	%	each measurement	Test documentation	Repetitive measuring	OK criteria	NOK criteria	Name of action	Responsible person	Documentation here	Hyperlinks here
Automatic test medium inspection	100	%	each measurement	Test report with control chart	Separation & RP-32						
Automatic test medium inspection	100	%	each measurement	Test report with control chart	Separation & RP-32						
Automatic test medium inspection	100	%	each measurement	Test report with control chart	Separation & RP-32						

Fig. 2: Operator inspection plan – Inspection and Documentation

Application and Use

- Aids in the manufacture of quality products made according to customer requirements.
- Used in the quality assurance process.
- Names the persons responsible for tests and inspections.
- Lists all features relevant to quality together with tolerances.
- Documents the results of the tests and inspections.

Branches and Standards

PLATO Inspection Plan is used by a wide variety of industries for production processes.

PLATO Database

The Control Plan supplies the data for inspection plans from a central PLATO database. This integration makes efficient and effective use of e1ns data and knowledge possible.

PLATO Inspection Plan

Main Features and Functions

Creating inspection plans

- Control plans supply the base data for operator inspection plans.

- Inspection plans can be edited directly in e1ns or can be transferred to Microsoft® Excel®.

- Inspection plans contain a summary of all relevant data found in a control plan for a single workstation or machine.

- The master data from the control plan is used to create the operator inspection plan.

The control plan supplies the following data for the inspection plan:

- Master data (object data, numbering).

- Machine, equipment, device, production tool.

- Product features with tolerances, process features with tolerances.

- Inspection system used.

- Sample size, sampling frequency.

User-specific customizations

- Inspection plans are customized for the company in terms of the contents and layout, if necessary.

PLATO Inspection Plan as Part of the PLATO e1ns Family

More PLATO e1ns functions :

- Project Planning
- Requirements Management
- Model-based System Analysis
- Risk Management
- Quality Methods – PLATO FMEA/ DRBFM
- Fault Tree Analysis
- Process Planning
- Test Planning (DVP&R)
- Action Management
- Document Management
- Template Management
- Lessons Learned
- Key Figures
- Generation of product files
- …

PLATO e1ns - The Engineering Framework
Here you can find information about the full functionality of PLATO e1ns:
www.plato.de/en/e1ns