

Statistical Process Monitoring (SPM) Checklist

Process Definition & Identification

Ensures the process being monitored is clearly defined and its critical characteristics are understood.

Write something	
Process ID / Code	
Enter a number	
Process Type (e.g., Machining, Assembly, Coa	ting)
Machining	
Assembly	
Assembly Coating	

Write something	
write something	
	<u> </u>
Process Input Materials/Componer	nts
Write something	
Target Value (for key CPP)	
Enter a number	
Potential Process Risks/Variability	Sources
Write something	
Note Collection ⁰ Dec	o vali o o
oata Collection & Rec	ording
ocuses on the accuracy, reliability, and onitoring.	I completeness of data being collected for proces

Sample Size (n)

Enter a number...

Sampling Frequency (Units/Time)

Enter a number...

Enter a number	
Data Source	
Manual Data Entry	
Automated System (e.g., PLC, SCADA)	
Laboratory Analysis	
Description of Data Collection Equipment	
Write something	
Jnits of Measurement	
mm	
inches	
kg	
lbs	
Other - Specify	
Data Validation Procedures (e.g., range checks, duplicate entries)	
Write something	
Date of Last Data Collection Procedure Review	

Control Chart Selection & Implementation

Details the appropriate control chart type chosen and its proper implementation for the monitored process.

What type of control chart is being used? X-bar and R Chart Individuals Chart C Chart U Chart p Chart p Chart Other (Specify in Long Text)
If 'Other' was selected, please specify the control chart type used. Write something
Number of subgroups analyzed for control limit calculation. Enter a number
Date of initial control chart implementation. Enter date
Is the control chart being monitored manually or automatically? Manually Automatically

Enter a num	ber
Brief descri	ption of the process variables being monitored.
Write somet	hing
ontrol	Limit Calculation & Validation
ocuses on en curacy.	suring control limits are calculated correctly and periodically validated for
Number of	Data Points Used for Initial Control Limit Calculation
Enter a num	ber
Method Use Chart)	ed for Control Limit Calculation (e.g., Moving Range, X-bar and R
Write somet	hing
D3/D4 Facto	or Used (if applicable)
Enter a num	ber
	a Assumption for Data (e.g., Normal, Unknown)

Date of Last Control Limit Recalculation	
Enter date	
Frequency of Control Limit Recalculation (in days/	weeks/months)
Enter a number	
Justification for Recalculation Frequency	
Write something	
Process Stability Evaluation Method (e.g., MSA, Pro	ocess Capability Index)
☐ MSA ☐ Process Capability Index	
Dut of Control Action ? Doonon	
Out-of-Control Action & Respon	
Outlines procedures for identifying, investigating, and cor	recting out-or-control conditions.
Number of Points Exceeding Control Limits	
Enter a number	
Detailed Description of the Out-of-Control Condition	n
Write something	

Potential Root Cause Category (e.g., Material, Equipment, Operator, Method) Material
Investigation Steps Taken to Determine Root Cause
Write something
Corrective Actions Implemented
Write something
Date Corrective Action Implemented
Enter date
Verification of Corrective Action (How Effectiveness Was Confirmed)
Write something

Resolution Status
Resolved
☐ In Progress
Pending Further Investigation
Signature of Person Verifying Resolution
Documentation & Training
overs the documentation of SPM procedures and training provided to personnel
ivolved.
Number of Developed Trained on CDM Dresedures
Number of Personnel Trained on SPM Procedures
Enter a number
Date of Last SPM Training Session
Enter date
Enter date
Brief Summary of SPM Training Content
Write something
Copy of SPM Training Materials (e.g., manual, slides)
♣ Upload File

Type of Training Provided (Check all that apply) Classroom Online On-the-Job	
Description of refresher training schedule	
Write something	
Are training records readily accessible? Yes No	
Summary of the documentation procedures for SPM? Write something	
Periodic Review & Improvement	
Addresses the ongoing review of SPM system effectiveness and opportunities for mprovement.	
Date of Last SPM System Review	
Enter date	

Enter a number	
Summary of Review Findings	
Write something	
Action Items Identified During Review	
Write something	
Were any control charts deemed ineffective? Yes No	
Areas for potential improvement?	
Data Collection Methods	
Control Chart Selection	
Operator Training	
Software/Tools	
Process Understanding	
Description of Actions Taken to Address Improvements	
Write something	

Target Completion Date for Improvement Actions	
Enter date	
Nome of Daycon Decreasible for Improvement Actions	
Name of Person Responsible for Improvement Actions	