201 - Error Proofing

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Overview

A structural approach of eliminating processing errors, with emphasis on designing a method that is simple, friendly, reliable, and speedy. Explanation as to the difference between defects and errors. The error proofing methodology is a critical tool in eliminating waste and achieving higher standards.

Objective

- To recognize the necessity and benefits of source inspection.
- To provide a rating system that assists in defining your error proofing device or method.
- To identify the distinction between defects and errors.
- To increase organizational awareness of error proofing.
- Align system metrics to the "0" defects strategy.
- To identify 10 current problems and create a planned strategy to error proof.

Topics

1. Defects and Errors
2. Red Flag conditions
3. Error proofing strategy
4. Rating your method

Activity

Group exercise initiated by listing so-called problems in the process in which errors occur. One by one, the group identifies error-proofing idea via brainstorming. A return to the shop floor is often required in order to clarify the conditions creating the error. The group uses the rating system to determine the value of their prospective error proofing idea.

Close of session is to have 10 potential ideas for eliminating the error in a given process.

Course Timing

This course is a classroom session mixed with process observations, which generally should be completed in 4 to 6 hours.

Materials

Overhead projector
Slide Show Presentation
Error Proof template
Pencils
Flip Chart
White Board/ Markers

Participants (8-10)

Operators
Manufacturing Engineer
Quality Engineer
Support staff (Administrative)
Manager/supervisor
Cross-functional team

Milestones

Pre-requisites – All Fundamental courses (101-105)

Enhance thinking regarding the difference between defects and errors and the benefits of installing error-proofing devices/methodology into the process.

30 Day Review –after Error-Proofing is implemented

Team Leader records results of defects and displays in the work area. Immediate corrective action is to be taken to ensure attention is given to support the error-proofing idea and modify or refine for improvement if not working to planned intent.

6 Months Implementation

Manager reports status of implementation in Quarterly Manufacturing Performance Meeting