Problem Solving Process



Presented by: Samantha Knapp

Toyota Production Support System Center

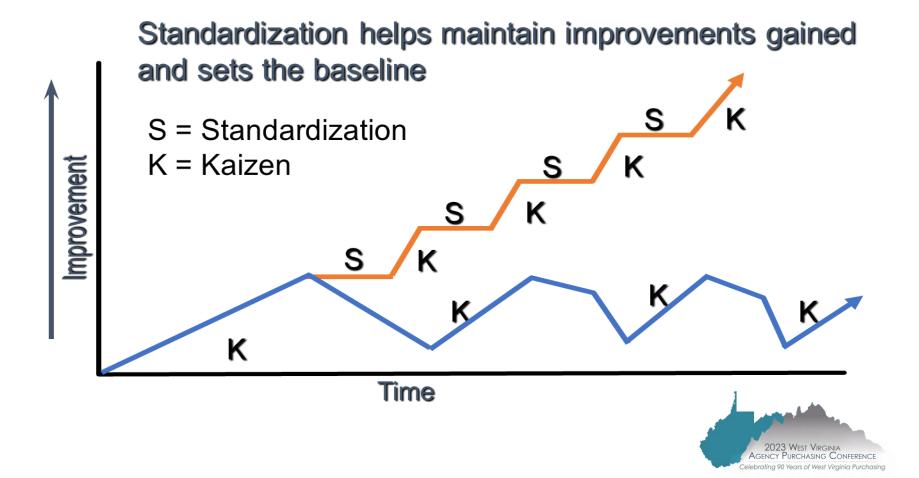


Phase 2: Focus on improving customer service to agency procurement officers

Strategy: Building a problem solving culture within the Purchasing Division

Long term goal: Continue to implement kaizen and standardize where possible





Eight step problem solving method

- 1. Clarify the problem
- 2. Break down the problem
- 3. Identify the problem statement and target statement (what is the problem and what do you hope to achieve?)
- 4. Root cause analysis
- 5. Develop countermeasures
- 6. Implement countermeasures
- 7. Monitor results and processes
- 8. Standardization



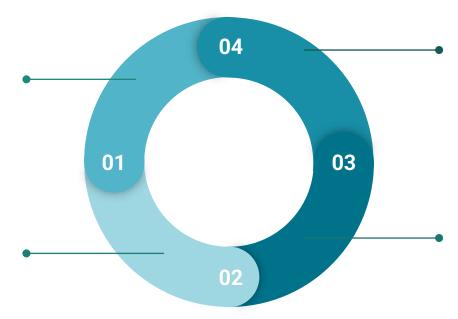
Root Cause Analysis

Identify problem

Problem solving process begins when your agency identifies a problem

List out potential reasons for the problem

Ask yourself why that problem might be occurring. This is a brainstorming session.



Identify root cause

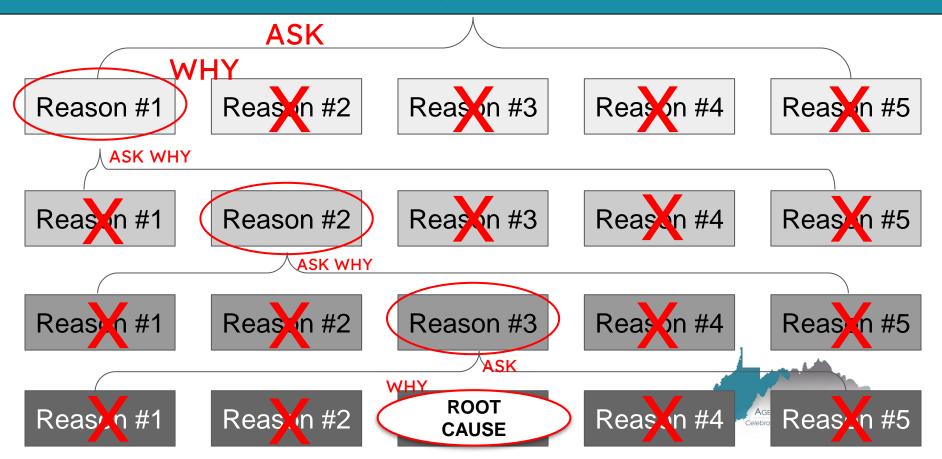
Once you finish listing potential reasons, and rejecting those that are not most likely, you will have found the root cause. This becomes the focus of your next step.

Reject least likely reasons

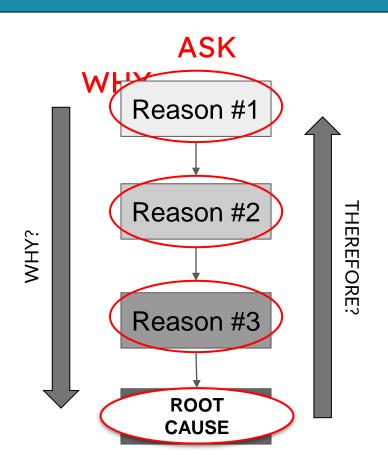
Start to narrow down the reasons until you come to one. Then ask yourself what might be the most likely reason. Again brainstorm potential reasons. Continue this process a total or three to five times.



PROBLEM



PROBLEM





Once the root cause is identified

- Brainstorm possible countermeasures
 - O What are some actions you can take to remedy the problem?
- Consider these factors:
 - o Time
 - Cost (true cost, including administrative time)
 - Effectiveness



Countermeasure	Time	Cost	Effectiveness
Countermeasure #1			
Countermeasure #2			
Countermeasure #3			







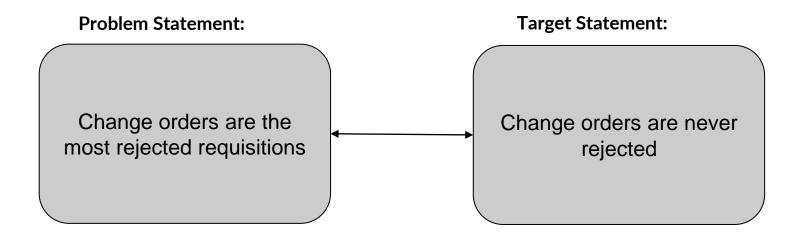
, Out of reach or not appropriate

Continuous monitoring



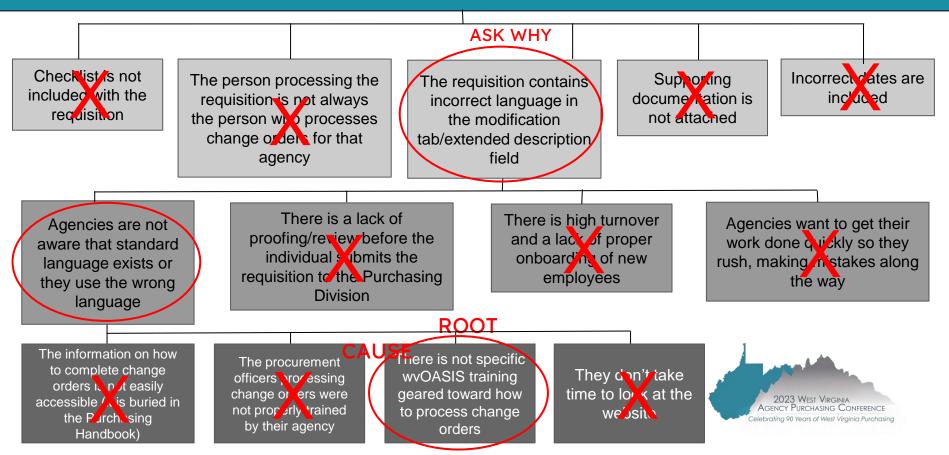
Purchasing Example

Problem/Target





Change orders are the most rejected requisitions



Countermeasure	Time	Cost	Effectiveness	
Create a stand-alone change order document to put on the Forms webpage				
Create a wvOASIS How-To recording on change orders				
Include change order information as Weekly Purchasing Tip				





..... Doable



..... Out of reach or not appropriate

Continuous monitoring



Countermeasure #1

Create a stand-alone change order document to put on the Forms webpage

www.state.wv.us/admin/purchase/Do cuments/ChangeOrderInstructionalG uide.pdf

CHANGE ORDER PROCESSING INSTRUCTIONAL GUIDE & STANDARD CHANGE ORDER LANGUAGE

Rev. 2/24/2023

This document contains instructions on how to complete the change order process, as well as minimum standard language for agency use when issuing a change order. The *Compliance Verification Requisition Submission Checklist* (a.k.a. Requisition Compliance Checklist) is required with all requisitions, as well as any required supporting documentation (i.e. two-party agreement, new pricing pages, etc.).

Agencies are encouraged to add details to the standard language as needed to clearly reflect the reason for the change. When preparing a requisition for a change order, agencies should customize the language (the Xs in red) with its specific change order information, fill in any blanks (_______), and enter the language in the specific change order's Modification Tab AND Extended Description field within wvOASIS. Failure to do so may result in a rejection of the requisition back to the agency.

Change Order Instructional Guide

Before Getting Started

Creating the Requisition in wvOASIS

General Information Tab

Modification Tab

Extended Description Tab

If Maintenance is Needed for a CCT

Terms and Conditions

Assemble Documents

Standard Change Order Language for Renewals

Standard Renewal

Modification Tab

Extended Description

Renewal with Increase

Modification Tab

Extended Description

Countermeasure #2

Create a wvOASIS How-To recording on change orders

https://www.youtube.com/watch?v=f0_AHID3BOE



Countermeasure #3

Include change order information as a Weekly Purchasing Tip

West Virginia Purchasing Division

WEEKLY TIP



Processing Change Orders

Each week, the Purchasing Division will send a quick tip and explanation. If you have an idea for a future tip, email Purchasing.Division@wv.gov.

Familiarize yourself with the change order process by reviewing the Purchasing Division's <u>on-demand training module on change orders</u>.

Then use and follow the Purchasing Division's <u>Change Order Instructional Guide & Standard Change Order Language</u> reference document each time you submit a change order to the Purchasing Division.

The Purchasing Division issues as many change orders each year as it does new purchase and delivery orders. One way to expedite the change order process is to use standard change order language offered by the Purchasing Division and review the change order for accuracy prior to submitting it. To assist agencies with the change order process, the Purchasing Division created two new resources: an on-demand training with a live presentation of the process within wvOASIS, and a Change Order Processing Instructional Guide & Standard Change Order Language reference document.

Activity

Samantha Knapp

Samantha.S.Knapp@wv.gov 304-558-7022

CONTACT US