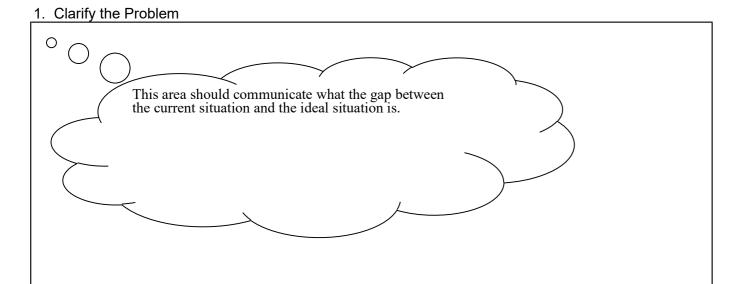
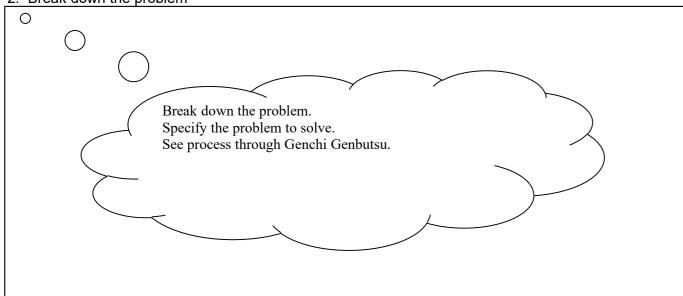
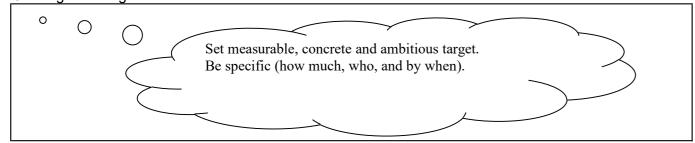
Title: Toyota Problem Solving A3 Format

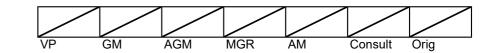


2. Break down the problem

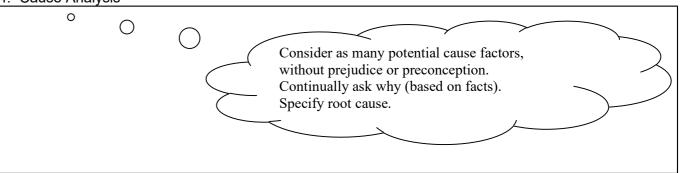


3. Target Setting

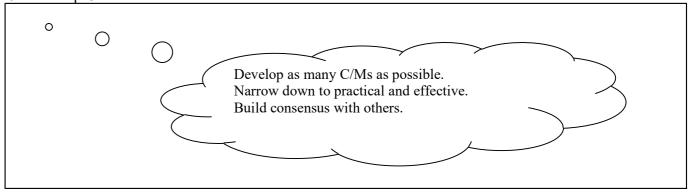




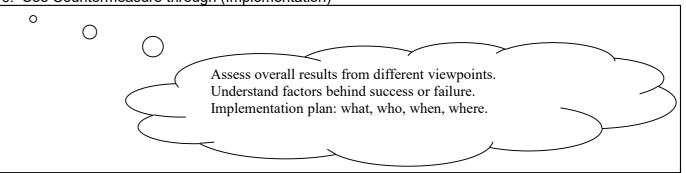
4. Cause Analysis



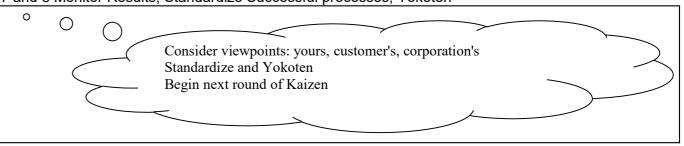
5. Develop Countermeasures



6. See Countermeasure through (Implementation)

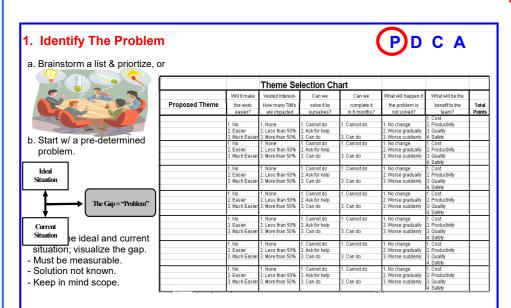


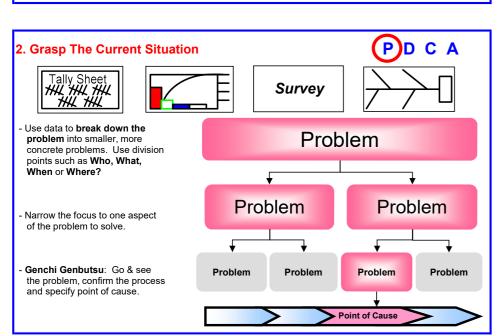
7 and 8 Monitor Results, Standardize Successful processes, Yokoten

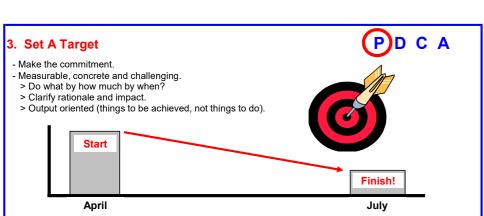


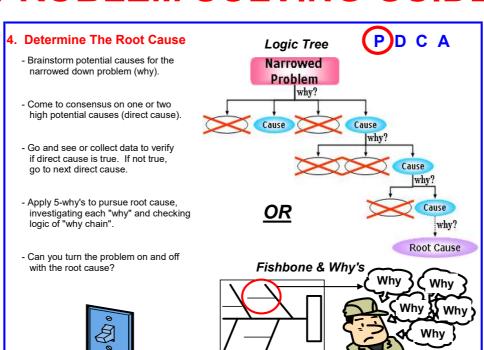
Your Name and Date

PROBLEM SOLVING GUIDE

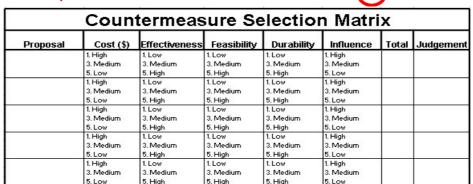






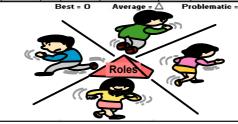


5. Develop A Countermeasure Plan



- Address the root cause.

- If multiple proposals, prioritze using matrix.
- Build consensus and create a clear and detailed action plan.
- Clarify roles and involve everyone.



PDCA

ACTIVITY PLAN				
What	Who	May	Jun	Jul
Fabricate jigs	Bill -		-	
Coordinate & run trial	Jane		,	
Collect data	John			—
Check for adverse effects	Randy			

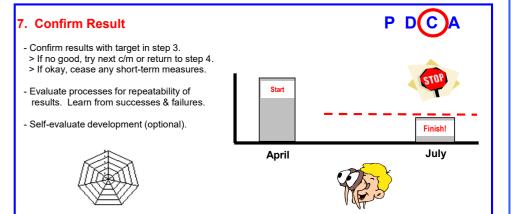
6. Implement Countermeasure

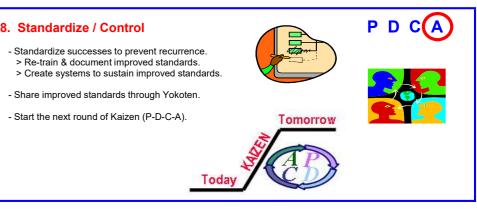
- Collect data; regularly check and communicate progress (ho-ren-so).
- Be consistent in any before and after comparisons.
- Ensure no adverse effects at neighboring processes, etc.













PROBLEM SOLVING GUIDE

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Theme:	Area: Start Date: End Date:	Members:		
1. Identify The Problem (Clarify Ideal & Current Situations, Visualize the Gap)	4. Determine The Root Cause (Brainstorm Causes, Verify as Fact by Asking Why)	6. Implement Countermeasure (Collect Data, Check & Communicate Progress)		
2. Grasp The Current Situation (Break Down, Narrow Focus, Go & See, Contain)		7. Confirm Result (Compare Results to Target, Evaluate Process for Repeatability)		
	Develop A Countermeasure Plan (Address R/C, Consensus & Action Plan)	7. Committeesuit (Compare Results to Target, Evaluate Process for Repeatability)		
		8. Standardize / Control (Prevent Recurrence, Sustain, Yokoten, Start Again)		
3. Set A Target (Do What by How Much by When?)				