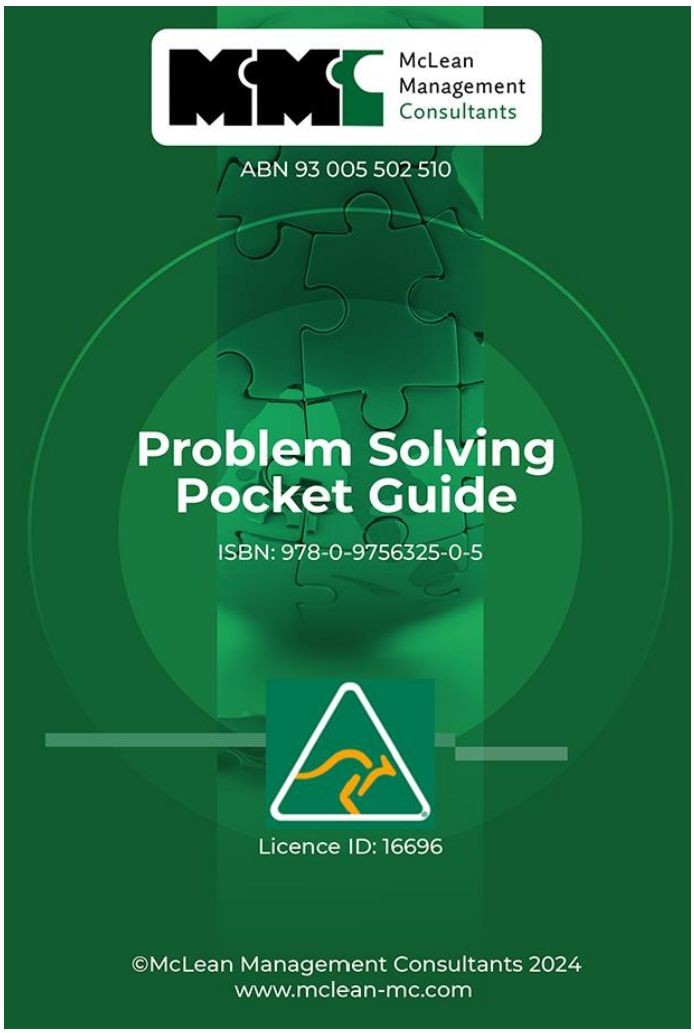
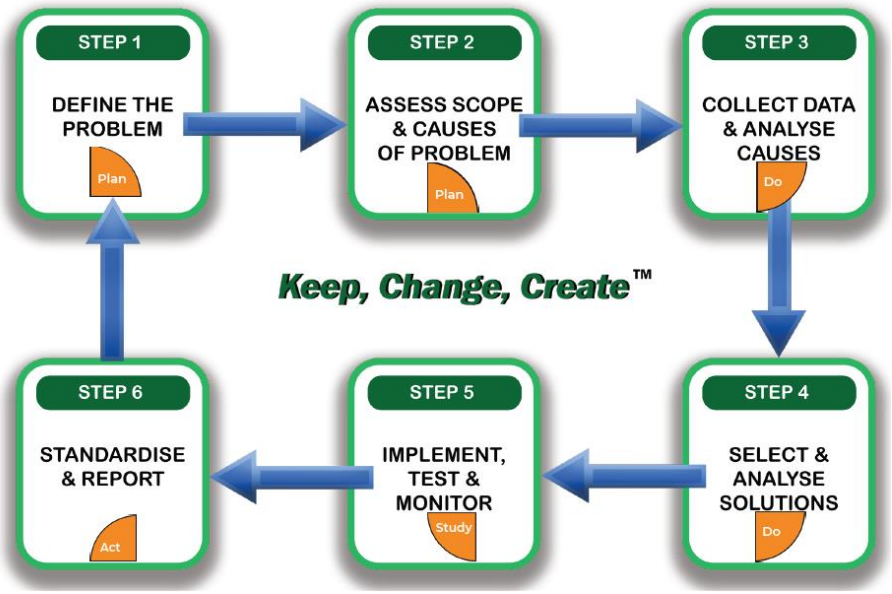
PDSA - Dr W Edwards Deming's and MMC's Learning and Problem Solving 'DACSIS" Cycle - QUIZ

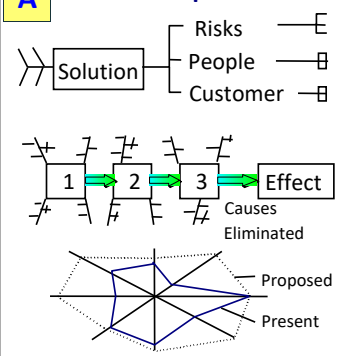


https://www.mclean-mc.com/product/problem-solving-pocket-guide/



MMC Problem Solving *Plan Do Study Act [PDSA]* Quiz Sheet - 1 of 2 Assign Letters and Descriptions Steps 1 to 6

A Impact of Solution



B Data Collection Plan

What	Where	How	When	Who
A	Prod'n	Check	Aug	A.G.
B	Acc's	Video	Sep	M.M.
C	Eng'g	Sample	3 mth	B.C.
D	EDP	Check	Jul	C.J.

C Team Description

Name _____ Logo

Leader _____ Facilitator _____

Members _____

_____

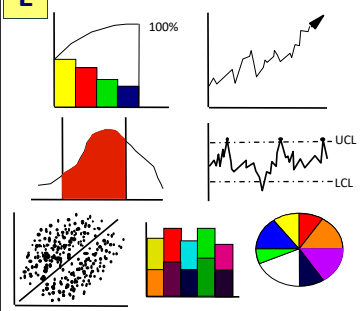
Process Owner _____

D Solution Analysis

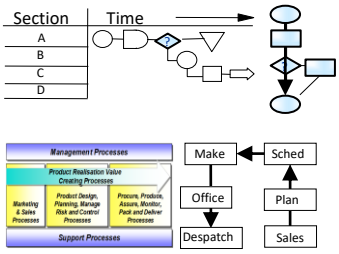
Criteria

Option	1	2	3	4	
A	✓		✓	✓	3
B		✓		✓	2
C	✓	✓	✓	✓	4

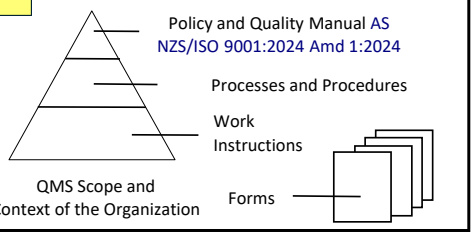
E Graphical Analysis



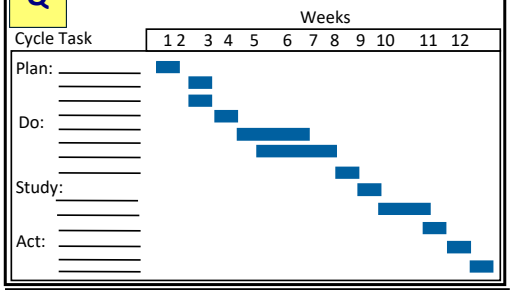
F Process Analysis



P Document Improvement



Q Project Planning



1. Define the Problem

2. Assess Scope and Causes in a Process or from an Event

Or

Or

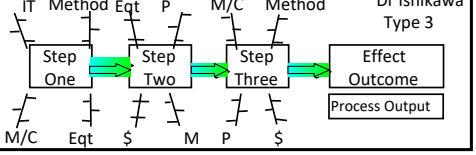
3. Collect Data and Analyse Causes

4. Select and Analyse Solutions

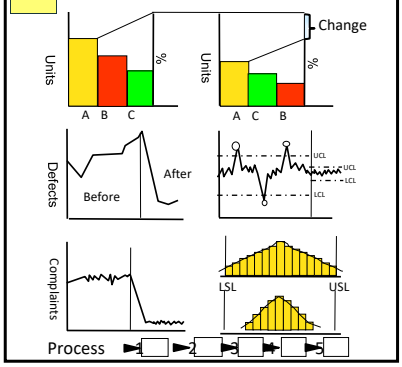
5. Implement, Test and Monitor

6. Standardise and Report

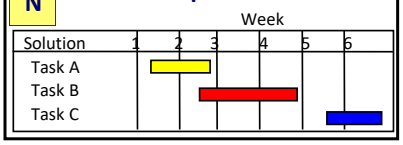
G Cause Analysis of Process



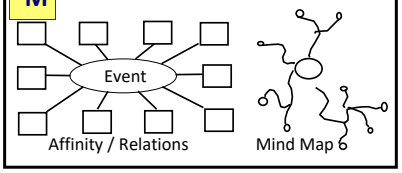
O Study Improvement



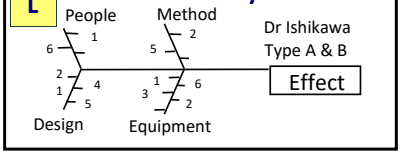
N Implementation Plan



M Event Analysis



L Cause Analysis of Event



K Terms of Reference

Clearly defined Problem: _____

_____

Mission: _____

Goals/Objectives: _____

_____

_____

Boundaries: _____

_____

Dates: / / to / /

J Benefit / Cost Analysis

+ve	-ve

I Data Collection Methods

	M	T	W	
A	𝍸	𝍸	𝍸	13
B	𝍸	II	𝍸	12
C	II	I	III	6

Samples
Videos
Surveys
Check Sheets
Drawings

H Review Targets / T of Ref

Present Reports

Storyboard

Targets: DIFOT, Waste, CoQ, Yield, Cpk

University of Technology, AQF Competitive Systems and Practices Certificates and Adult Learning Theory

The University of Technology Sydney uses Dr Deming's PDSA cycle as central to their Lean (efficiency) and Six Sigma™ (effectiveness) accredited programs.

Facilitating Continual Improvement Projects through Problem Solving methodologies, methods, tools and techniques.

"To develop skills in improvement planning, including the use of an Improvement Plan and a PDSA cycle plan"
See: https://open.uts.edu.au/uts-open/study-area/business-and-transformation/critical--creative-thinking/lean-six-sigma-foundations/

Mapping MMC PDSA PSPG 'DACSIS' to Australian Qualifications Framework – Competitive Systems and Practices and Lean Six Sigma™ Cert III and IV Units

MSS403057	Map an operational process
MSS403056	Map an internal value stream
MSS402056	Apply and improve standardised work practices
MSMSUP390	Use structured problem-solving tools
MSS402084	Undertake root cause analysis
MSS403003	Contribute to improvements in competitive systems and practices
MSS403059	Facilitate continuous improvement through the use of standardised procedures and practices
MSS407023	Quantitatively analyse impact of process changes
MSS407024	Prepare for and implement change
MSS407033	Qualitatively review and improve process changes
MSS402004	Sustain process improvements

"As the adult *is* their experience, the failure to utilize the experience of the adult learner is equivalent to rejecting the adult as a person"
Dr Malcolm S Knowles: "Adult Learning Theory"