



**SUCCESSION
TRAINING**

BSB51415 Diploma of Project Management



Risk Management

Version 1.11 Produced 18 October 2018

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Version control & document history

Date	Summary of modifications made	Version
5 May 2016	Version 1.0 produced following assessment validation.	1.0
23 November 2017	Updated the following: ▪ Case Study Question 4 'Risk Brainstorming Session Worksheet' – Integration changed to Cost. ▪ Minor update to preliminary pages and Instructions. ▪ Updated 'Written Questions' to 'Knowledge Assessment'	1.1
18 October 2018	Change to Practical Assessment	1.11

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ASSESSMENT WORKBOOK COVERSHEET

WORKBOOK:	Workbook 4
TITLE:	Risk Management
FIRST AND SURNAME:	
PHONE:	
EMAIL:	

Please read the Candidate Declaration below and if you agree to the terms of the declaration sign and date in the space provided.

By submitting this work, I declare that:

- I have been advised of the assessment requirements, have been made aware of my rights and responsibilities as an assessment candidate, and choose to be assessed at this time.
- I am aware that there is a limit to the number of submissions that I can make for each assessment and I am submitting all documents required to complete this Assessment Workbook.
- I have organised and named the files I am submitting according to the instructions provided and I am aware that my assessor will not assess work that cannot be clearly identified and may request the work be resubmitted according to the correct process.
- This work is my own and contains no material written by another person except where due reference is made. I am aware that a false declaration may lead to the withdrawal of a qualification or statement of attainment.
- I am aware that there is a policy of checking the validity of qualifications that I submit as evidence as well as the qualifications/evidence of parties who verify my performance or observable skills. I give my consent to contact these parties for verification purposes.

Name :

Signature:

Date:

KNOWLEDGE ASSESSMENT

1. Classify each project risk provided below into different risk categories.

Write the letters that correspond to your answers in the spaces provided.

Guidance: Although a project risk may be classified into more than one (1) risk category, you must choose only one (1) risk category for each project risk. Having multiple answers is not allowed.

Risk Categories	
a. communications b. compliance c. consultative d. environmental e. finance f. health and safety g. human resources h. legal i. organisational brand	j. physical k. political l. project assumptions m. project constraints n. project process risks o. quality p. social q. technology
Project Risks	
h	Breach of contract
e	Requirements are misinterpreted by the project team and gaps and variances develop between expectations, requirements, and work packages.
g	Stakeholder turnover or stakeholders suddenly leaving the project due to conflicts and disagreements.
e	Required activities are unintentionally missed out or are missing from scope definition.
f	Project team members sustain injuries due to lack or inadequate risk controls.
o	Inexperienced project team members produce lower quality products, which would result in more retesting than originally planned.
e	Costs are incurred in foreign currencies exchange rates.

p	Project deliverables and specifications are found to be culturally inappropriate to the target market.
f	A number of project activities emit air pollution and put project team members at risk for lung cancer.
h	Sensitive and confidential project data and information are stolen by hackers.

2. Provide one (1) example of project risks for each risk categories listed below. Do not use the project risks provided in Written Question 1.

Risk Categories	Project Risks
Human resources	EMPLOYEES WHO ARE EMPLOYED FROM INTERSTATE ARE LOCKED OUT DUE TO COVID.
Legal	MATERIALS RECENTLY DELIVERED TO SITE HAVE BEEN STOLEN DUE TO POOR SITE SECURITY.

3. The following are key components of a risk management plan. Match each component to its correct description.

Write the letters that correspond to your answers in the spaces provided.

	Key Components of a Risk Management Plan	Description
d	Context	a. This involves the assignment of an overall risk rating to each of the risk events identified through analysing inherent risk, identifying and evaluating controls, and analysing residual risk. It helps validate and prioritise key risks to monitor and it highlights any opportunities for improvements to current activities used as controls in the project.
f	Risk identification	b. This involves developing a range of options for mitigating the risk, assessing those options, and then preparing and implementing action plans. The highest rated risks should be addressed as a matter of urgency.
a	Risk analysis and evaluation	c. This should be a planned part of the risk management process. It involves regular checking or surveillance, wherein the results are recorded and reported externally and internally, as appropriate.
b	Risk treatment	d. This involves defining the scope for the risk management process and sets the criteria against which the risks will be assessed.
c	Monitoring and review	e. These must integrated into the entire risk management plan. These involve seeking and sharing views and information regarding project risks and considering other project stakeholders' view as part of decision making processes.
e	Communication and consultation	f. This is a critical step in effective risk management and needs to be comprehensive. If a potential risk is not known at this stage it is omitted from further analysis, which means a material risk may be given insufficient attention.

4. The following statements describe Quantitative and Qualitative Risk Management in terms of their characteristics, applications, and techniques they use.

Write **QNT** if the statement refers to Quantitative Risk Management and **QLT** if it refers to Qualitative Risk Management.

Write your answers in the spaces provided.

QNT	a. It makes use of tools and techniques such as probability distributions, sensitivity analysis, expected monetary value analysis, and etc.
QLT	b. It assesses the priority of identified risk using their relative probability or likelihood of occurrence, the corresponding impact on project objectives if the risks occur.
QLT	c. It is used to determine categorisation of risks, causes of project risks, ranking of risks, and etc.
QNT	d. It involves numerical analysis of the effect of identified risks on overall project objectives.
QLT	e. It involves prioritizing risks for further analysis or action by assessing and combining their probability of occurrence and impact.
QNT	f. It is used to conduct probabilistic analysis of the project, determine probability of achieving cost and time objectives.
QNT	g. It is performed on risks that have already been categorized and prioritised.
QLT	h. It utilises tools and techniques such as risk probability and impact assessment and matrix, risk data quality assessment, risk categorization, and etc.
QLT	i. This approach is usually done first followed by the other.
QNT	j. It is used to assign numerical rating to the risks individually or to evaluate the aggregate effect of all risks affecting the project.

5. The following are different tools and techniques used in Qualitative and Quantitative Risk Management. Match each tool and technique to its correct description.

	Tools and Techniques	Description
c	Expert judgement	a. This draws on experience and historical data to quantify the probability and impact of risks on project objectives.
a.	Interviewing	b. This is a statistical concept used to calculate the average outcome when the future includes scenarios that may or may not happen.
d	Sensitivity analysis	c. This can be used in both Qualitative and Quantitative Risk Management. In the qualitative approach, this is used to assess the probability and impact of each risk to determine its location in the matrix. In the quantitative approach, this is used to identify potential cost and schedule impacts, and to evaluate probability.
b	Expected monetary value analysis (EVM)	d. This helps to determine which risks have the most potential impact on the project. It examines the extent to which the uncertainty of each project element affects the objective being examined when all other uncertain elements are held at their baseline values.
f	Risk categorisation	e. This is used to rate risks as low, moderate, or high priority.
e	Probability and impact matrix	f. This is used to classify risk in terms of its sources or area of impact. It involves grouping risks coming from common root causes, leading to developing more effective risk responses.

CASE STUDY

Instructions to Student

These case studies are hypothetical situations which will not require you to have access to a workplace, although your past and present workplace experiences may help with the responses you provide. You will be expected to encounter similar situations to these in future as you work in a project team environment.

In the real world you are likely to encounter the situation where you enter a project, taking over from another project manager. The documentation that is handed over to you is not necessarily up to scratch, and there could be serious issues with the project. This assessment captures that real life scenario.

The case studies are the first part of dealing with “multiple complex projects” required in all the units of this subject. The other assessment covering this requirement is the practical assessment. When you have completed the case studies you will be able to commence the practical assessment which covers the generic skills needed to function as an effective project team member. This assessment on the other hand covers the application of the underpinning knowledge and background theory.

Introduction

You have just finished the consultancy work in the previous workbook. The steering committee are about to sign off on the changes, but have requested you look at the risk aspects of the project as this has not been taken into account properly in the past.

Sam has suggested the risk management plan was fine for the start of the project, but given all the recent upheaval with a new project sponsor and a new contractor, and as a result the time lines blowing out, there seem to be more risks that need to be documented.

The project documentation has not been updated since the previous workbook. If you do not already have version 3 of the project documentation, you may download it from here:

[Project Charter version 3 \(.pdf\)](#)

[Project Plan version 3 \(.pdf\)](#)

[Project Gantt Chart version 3 \(.mpp\)](#)

[Project Gantt Chart version 3 \(.pdf\)](#)

[Project Network Diagram version 3 \(.pdf\)](#)

(username: cstclearner password: CstcPty@123)

Note: These documents were generated in year 2016. For the purpose of this assessment, refer to '2016' as the current year and '2017' as the succeeding year.

1. The issues register has not been populated in the project plan. You have raised this with Sam, and he has provided you with the following information to complete the table for inclusion into the next version of the project plan. Evaluate the following issues that have occurred during the course of the project to date and populate the following issues register.

Guidance:

- a. You will be able to find out background information about each issue in the current version of the Project Plan (version 3).
- b. '20xx' refers to the current year.
- c. When populating the Issues Register, always refer to the current year.

Issues Register					
Issue #	Date/time raised	Description	Raised by	Action History	Status open/closed
1	17/07/20xx	Project starting a week early due to requirements for Earthmoving Logistics Pty Ltd needing additional notice of the movement of supplies and equipment.	Sam Ng	PROJECT COMMENCEMENT DATE ADJUSTED TO 27 JULY 2016.	Choose an item.
2	17/07/20xx	Three additional retaining walls needed for additional chalets.	Sam Ng	ADJUSTED FOR VARIATION REVISION 2 1 ST AUG 2016	Choose an item.
3	22/11/20xx	Project sponsor going into liquidation.	Sam Ng	MASSIVE ECO REPAIRED BY CASADE PEARL HOTEL AS PROJECT SPONSOR REV 3 7 DEC 2016	Choose an item.
4	28/11/20xx	Andrew (site supervisor) not having the IT skills required for e-mail and Internet access – affecting his reporting abilities.	Sam Ng	ANDREW BOOKED FOR IT TRAINING	Choose an item.
5	30/11/20xx	Two landscaping team members leaving the organisation.	Sam Ng.	TRAINING SCHEDULED FOR REPLACEMENT	Choose an item.
6	14/12/20xx	Damage to site due to being abandoned for seven weeks.	Andrew Lowe	SITE SECURITY ENGAGED.	Choose an item.

2. Conduct a risk review of the existing risks using the following template.

Project Risk Review Matrix

Project Name	CASCADE PEAK CHAETS LANDSCAPING PROJECT				
Prepared by	M. Brownlie				
Date	18/12/XXXX				
Meeting date	18/12/XXXX				
Purpose of the meeting	Review				
Identified Risk	Changes in Probability Of Occurrence	Changes in Priority	Changes in Ownership/ Responsibility	Changes in Needed Response	
Severe weather during the project.	MODERATE	MODERATE	ANDREW	NIL	
Delays in the construction of the chalets.	MODERATE	MODERATE	Sam	NIL	
Delays in supply of the glasshouse and landscaping supplies.	UNLIKELY	MODERATE	ANDREW	NIL	
Delays in supply of road base.	MODERATE	MODERATE	KEITH SAM	NIL	
Landscapers leaving the company.	UNLIKELY MODERATE	LOW	ANDREW	NIL	
Digging contractor not performing the work to the required standard.	MODERATE	MODERATE	ANDREW	NIL	

Underground utilities not being installed properly.	MODERATE	MODERATE	ANDREW	NIL
Lengthy processing of change request by Council.	MODERATE	HIGH	SAUL	NIL
Timeframes not being properly communicated to landscapers and contractors.	MODERATE	HIGH MODERATE	SAUL & ANDREW	NIL

3. Conduct a Risk Identification SWOT analysis for the project, taking into account the recent changes.

Guidance: For the purpose of this assessment, assume that you will be facilitating this meeting with the project manager and site supervisor in attendance.

Risk Identification – SWOT Analysis

Project Name	CASCADE PEAK CHALETS
Prepared by	M. BROWNIE
Date	18/12/24 xxxx
Project Manager	M. BROWNIE
SWOT Analysis Facilitator	K. CHAN M. BROWNIE
SWOT Analysis Participants	S. L. L. L. A. LOWE, K. CHAN
SWOT Analysis Recorder	S. L. L. L. K. POLLOCK
Date of SWOT Analysis	18/11/xxxx

Project Strengths

What potential strengths exist about the project, the project team, the sponsor, the organisation structure, the client, the project schedule, the project budget, the product of the project, etc.?

- BUDGET INCREASED BY \$100K TO 650K.
- CONSTRUCTION TIME LINE INCREASE BY 3 MONTHS
- 2 x SITE SUPERVISORS FOR EXTRA COVERAGE
- CLIENT IS WELL ESTABLISHED.
- SPONSOR HAS 50+ YEARS OF EXPERIENCE & CASH RESERVE

Project Weaknesses

What potential weaknesses exist about the project, the project team, the sponsor, the organisation structure, the client, the project schedule, the project budget, the product of the project, etc.?

- PROJECT RELIANT ON GOOD WEATHER.
- MATERIAL SOURCING
- LOST TIME NOT ACCOUNTED FOR IN CONSTRUCTION
- TRAVEL TIME FOR RESOURCES TIME LINE
- CONSTRUCTION EQUIPMENT BREAKDOWN.

Project Opportunities

What potential opportunities exist in regard to achieving the project requirements, the product requirements, the project schedule, the project resources, the project quality, etc.?

- a. PROJECT AHEAD OF TIME.
- b. PROJECT UNDER BUDGET.
- c. ON GOING WORK ON FUTURE PROJECTS WITH
- d. ON GOING LANDSCAPE MAINTENANCE WORK ^{ECO-DEVELOPMENT} @ RESORT
- e.

Project Threats

What potential threats exist in regard to achieving the project requirements, the product requirements, the project schedule, the project resources, the project quality, etc.?

- a. STAFF RESIGNATION
- b. COUNCIL SIGN OFF ~~FAILURE~~ COMPLIANCE FAILURE.
- c. LANDSCAPE WORK DAMAGING / DELAYING CHALETS
- d. COUNCIL SIGN OFF DELAYS (CHANGE REQUESTS ETC)
- e. DELAYS WILL IMPACT PROJECT HEAVILY.

4. Based on the work done in the previous workbook, identify one (1) new risk within each of the following functions of project management and complete a risk analysis for it in the following risk brainstorming session worksheet template.

Guidance:

- When populating the fields of the Risk Brainstorming Session Worksheet, refer to the Risk Rating Table below.
- Further guidance is provided for you within the Risk Brainstorming Session Worksheet Template below.

Risk Rating Table

Likelihood	Consequence				
	Insignificant 1	Minor 2	Moderate 3	Major 4	Severe 5
A (Almost certain)	High	High	Very High	Very High	Very High
B (Likely)	Moderate	High	High	Very High	Very High
C (Occasionally)	Low	Moderate	High	Very High	Very High
D (Unlikely)	Low	Low	Moderate	High	Very High
E (Rare)	Low	Low	Moderate	High	High

Source: AS/NZS 31000 Risk Management

Risk Brainstorming Session Worksheet

Project Name:

CASCADE PEAK CHALET'S LANDSCAPING PROJECT

Prepared by:

M. Sweeney

Date:

$$\begin{array}{r} 23 \overline{) 50} \\ \underline{46} \\ 40 \\ \underline{39} \\ 10 \\ \underline{9} \\ 10 \\ \underline{9} \\ 10 \\ \underline{9} \\ 10 \end{array}$$

Session Facilitator:

M. Brownlie

Title/Position:

PROJECT MANAGER

Participating Group:

A. Lowe, S. Kirsch, K. Fricke.

Location:

AWESOME LANDSCAPE OFFICE!

Identified Risk	Initial Risks			Controls to be used on risk	Revised Risk			Proposed Actions	Identified by Whom?	Who is responsible?
	Likelihood of Occurrence	Potential Impact	Initial Risk Rating		Likelihood of Occurrence	Potential Impact	Revised Risk Rating			

Guidance: Identify at least one (1) risk for each of the following functions of project management	A: Almost certain B: Likely C: Occasionally D: Unlikely E: Rare.	1 Insignificant 2 Minor 3 Moderate 4 Major 5 Severe	Very High High Moderate Low	Elimination Substitution Isolation Engineering control Administrative control PPE (Personal protective equipment)	A: Almost certain B: Likely C: Occasionally D: Unlikely E: Rare.	1 Insignificant 2 Minor 3 Moderate 4 Major 5 Severe	Very High High Moderate Low	For each risk, a specific action must be briefly described here should the risk become an incident.	For the purpose of this simulation, you may indicate any project stakeholder in the Cascade Peak Chalets Project.	This must be either Sam Ng, the site supervisor, or other relevant project stakeholder who would be responsible for ensuring the risk does not occur, or if it does occur, will be the responsible for dealing with its impact.
(Integration) DELAYS IN CONSTRUCTION	B	4	EXTREME	CLOSING LIASE WITH K. CHAN DURING PHASE 1 TO ENSURE COMPLETION OF CONSTRUCTION	D	3	MODERATE	RELOCATE WORKERS & NEGOTIATE CHANGE REQUEST	S. NG K. NGUYEN	S. Ng

(Quality) CONTRACTOR PERFORMING WORK TO REQUIRED QUALITY	B	3	HIGH	SITE SUPERVISOR CLOSELY MONITOR ENSURE CONTRACT IS CLEAR & INCLUDE EXIT CLAUSE	D	3	MODERATE	ISSUE REWORK RETIFICATION (ENSURE NEW CONTRACT)	ANDREW ANDREW
(HR - landscaping site supervisor leaving project)	D	4	HIGH	USE LONG TERM EMPLOYEE ENSURE THEY ARE HAPPY	E	2	LOW	ADVISE POSITION IMMEDIATELY IF SUPERVISOR RESIGNS.	SUSAN SUSAN.NE.
(HR - Project Manager)	D	4	HIGH	USE LONG TERM EMPLOYEE ENSURE THEY ARE HAPPY. CLAUSE IN CONTRACT	E	3	MODERATE	ADVISE POSITION IMMEDIATELY NEGOTIATE HANDOVER PERIOD	SUSAN SUSAN.NE.

(HR - Project Sponsor)	D	4	HIGH	LOST TEAM EMPLOYEES ENSURE THEY ARE HAPPY	E	3	MODERATE	ADVISE IMMEDIATELY	T. MACKAY T. MACKAY
(Communications)	C	3	HIGH	TEAM TO CLEARLY COMMUNICATE UP COMMING DECISIONS ON WEEKLY BASIS.	E	3	MODERATE	REVIEW COMMUNICATIONS PROCESS	ANDREW ANDREW SAM. JR
(Procurement)	C	3	HIGH	CONTACT SUPPLIER 2 WEEKS IN ADVANCE	E	3	MODERATE	RELOCATE WORKERS TO OTHER PROJECTS NEGOTIATE CHANGE REQUEST	ANDREW ANDREW SAM. JR

5. Develop a Risk Response Plan for the following risk: The landscaping site supervisor resigning from Awesome Landscapes.

Use the Risk Response Plan Template provided below.

Risk Response Plan	
Project Name	CASCADE PEARL CHALET'S LANDSCAPING PROJECT
Prepared by	M. BROWNLEE
Date	30/5/xxxx
Description of risk identified	SUPERVISOR LEAVING AWESOME LANDSCAPES
Person responsible	SAM NC.
Results from Risk Analysis:	MEDIUM
Agreed Responses (avoidance, transference, mitigation, acceptance):	
Response #1	USE LONG TERM EMPLOYEES IN PROJECT
Response #2	ADVERTISE POSITION IMMEDIATELY
Response #3	
Residual Risk Level	
LOSS OF KNOWLEDGE & PLANNING RESULTING IN DELAYS & RENEWAL	
Action Steps	
HIRE LONG TERM EMPLOYEES, ENSURE MORALE REMAINS HIGH,	
Budget and Time for Response	
NIL	
Contingency / Fallback Plans	
PM TO ADVERTISE SITE SUPERVISOR ROLE	
PM TO INDUCE NEW SUPERVISOR	

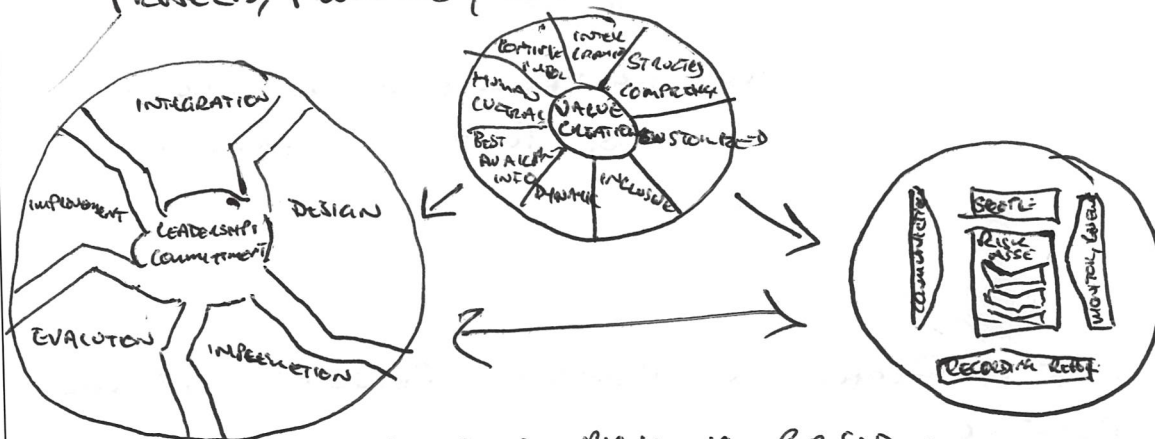
6. As set out in Risk Management Plan (Appendix 22 of the Project Plan), the risk management processes for the project will follow the AS/NZS ISO 31000 2009 Standard under the PMBOK project management methodology.

- In your, own words, discuss the framework that is set by AS/NZS ISO 31000.
- Complete the illustration of the risk management framework set by AS/NZS 31000 by providing the correct labels.
- In your own words, discuss the model that is followed by the framework of AS/NZS ISO 31000.

Do not exceed fifty (50) words for each discussion.

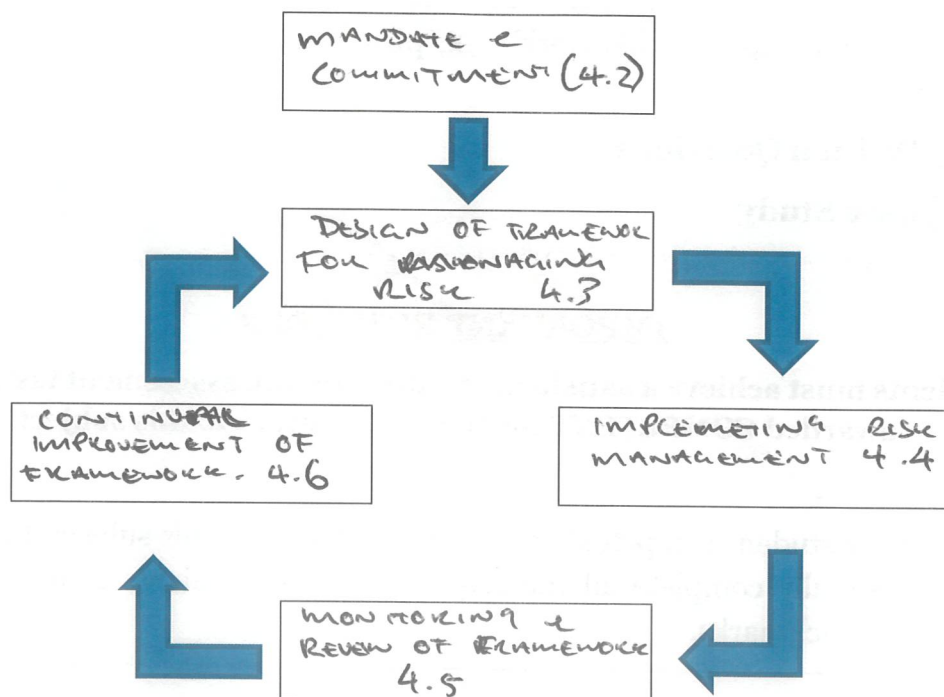
a.

AS/NZS ISO 31000 PROVIDES GENERIC GUIDELINES OF RISK MANAGEMENT, THE DESIGN & IMPLEMENTATION OF RISK MANAGEMENT PLANS & FRAMEWORKS INCLUDING STRATEGIES, DECISIONS, OPERATIONS, PROCESSES, FUNCTIONS, PROJECTS, PRODUCTS, SERVICES & ASSETS.



MANAGING RISK IS BASED ON THE PRINCIPLES, FRAMEWORK & PROCESSES.

b.



c.

THIS IS THE CIRCLE OF LIFE WITH FRAME WORK. DESIGN, IMPLEMENT, MONITOR & CONTINUALLY IMPROVE.

WORKBOOK CHECKLIST

When you have completed this workbook, please ensure you have completed all parts of it:

☐ **Written Questions**

☐ **Case Study**

IMPORTANT REMINDER

Students must achieve a satisfactory result to ALL assessment tasks to be awarded COMPETENT for the unit relevant to this subject.

To award the student competent in the units relevant to this subject, the student must successfully complete all the requirements listed above according to the prescribed benchmarks.

End of Document