



**CASA PNG Risk Assessment & Change Management
(RACM)**
(PNG rule reference : CAR 100.59, 100.61, 100. 65)

Date Initial Assement: XXXXXX
Date of Review: XXXXXX

RACM No:
XXXXX

Applicability: All Personnel Aircrew Engineering Ground Operations Cargo Cabin Crew Other _____

Project:

Work Location:

Task Description:

Risk Rating Calculator Tool

CASA SAFETY RISK MATRIX					
Risk Probability	Risk Severity				
	Catastrophic (5)	Hazardous (4)	Major (3)	Minor (2)	Negligible (1)
Frequent (5)	25	20	15	10	5
Occasional (4)	20	16	12	8	4
Remote (3)	15	12	9	6	3
Improbable (2)	10	8	6	4	2
Extremely Improbable (1)	5	4	3	2	1

Definitions

Risk Probability (Likelihood):
Frequent – likely to occur many times or has occurred frequently
Occasional – likely to occur sometimes or has occurred infrequently
Remote – unlikely to occur, but possible or has occurred rarely.
Improbable – very unlikely to occur or not known to have occurred.
Extremely Improbable – almost inconceivable that the event will occur.

Risk Severity (Consequences):
Negligible – Insignificant to aircraft-related operational safety.
Minor – Degrades or affects normal aircraft operational procedures or performance.
Major – Partial loss of significant/major aircraft systems or results in abnormal application of flight procedures.
Hazardous – Complete failure of significant/major aircraft systems or results in emergency application of flight operations procedures.
Catastrophic – loss of aircraft or lives.

Risk Score

Low – 1 to 5 points (Green)
Medium – 6 to 12 points (Yellow)
High – 15 to 25 points (Red)

Developed By:

Approved By:

1				1		
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2				2			
				3			
1							
2							
3							

No.	Work Activity	Hazard / Risk	Risk Rating	Changes required to Mitigate Risk to 'Low'	New Risk Rating	Action By	Status
	<i>List the Basic steps required to carry out the task</i>	<i>Identify and list the hazards that are possible in each step</i>		<i>List the actions or changes required to eliminate or reduce the hazards</i>			
<u>1</u>			Red		Green		Light Blue
			Red		Green		Light Blue
			Red		Green		Light Blue
<u>2</u>			Yellow		Green		Light Blue
			Yellow		Green		Light Blue
<u>3</u>			Yellow		Green		Light Blue
			Yellow		Green		Light Blue
<u>4</u>			Yellow		Green		Light Blue
<u>5</u>			Yellow		Green		Light Blue