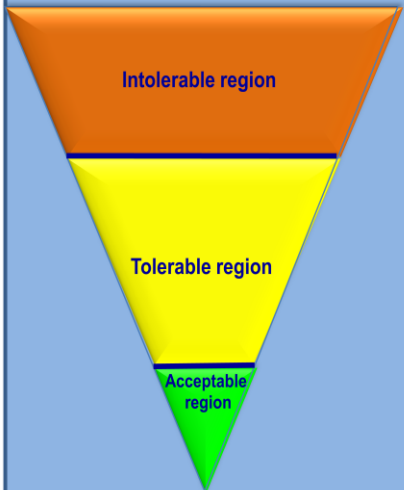


## Risk Assessment Matrix

Probability of occurrence		
Qualitative definition	Meaning	Value
<b>Frequent</b>	Likely to occur many times <i>(has occurred frequently)</i>	<b>5</b>
<b>Occasional</b>	Likely to occur some times <i>(has occurred infrequently)</i>	<b>4</b>
<b>Remote</b>	Unlikely, but possible to occur <i>(has occurred rarely)</i>	<b>3</b>
<b>Improbable</b>	Very unlikely to occur <i>(not known to have occurred)</i>	<b>2</b>
<b>Extremely improbable</b>	Almost inconceivable that the event will occur	<b>1</b>

Severity of occurrences		
Aviation definition	Meaning	Value
<b>Catastrophic</b>	<ul style="list-style-type: none"> <li>➤ Equipment destroyed.</li> <li>➤ Multiple deaths.</li> </ul>	<b>A</b>
<b>Hazardous</b>	<ul style="list-style-type: none"> <li>➤ A large reduction in safety margins, physical distress or a workload such that the operators cannot be relied upon to perform their tasks accurately or completely.</li> <li>➤ Serious injury.</li> <li>➤ Major equipment damage.</li> </ul>	<b>B</b>
<b>Major</b>	<ul style="list-style-type: none"> <li>➤ A significant reduction in safety margins, a reduction in the ability of the operators to cope with adverse operating conditions as a result of increase in workload, or as a result of conditions impairing their efficiency.</li> <li>➤ Serious incident.</li> <li>➤ Injury to persons.</li> </ul>	<b>C</b>
<b>Minor</b>	<ul style="list-style-type: none"> <li>➤ Nuisance.</li> <li>➤ Operating limitations.</li> <li>➤ Use of emergency procedures.</li> <li>➤ Minor incident.</li> </ul>	<b>D</b>
<b>Negligible</b>	<ul style="list-style-type: none"> <li>➤ Little consequences</li> </ul>	<b>E</b>

Risk probability	Risk severity				
	Catastrophic A	Hazardous B	Major C	Minor D	Negligible E
Frequent 5	5A	5B	5C	5D	5E
Occasional 4	4A	4B	4C	4D	4E
Remote 3	3A	3B	3C	3D	3E
Improbable 2	2A	2B	2C	2D	2E
Extremely improbable 1	1A	1B	1C	1D	1E

<div>Risk management</div> 	Assessment risk index	Suggested criteria
	5A, 5B, 5C, 4A, 4B, 3A	Unacceptable under the existing circumstances
	5D, 5E, 4C, 4D, 4E, 3B, 3C, 3D, 2A, 2B, 2C	Acceptable based on risk mitigation. It might require management decision
	3E, 2D, 2E, 1A, 1B, 1C, 1D, 1E	Acceptable

## HAZARD IDENTIFICATION AND RISK MITIGATION

N°	Type of operation or activity	Generic hazard	Specific components of the hazard	Hazard-related consequences	Existing defences to control risk(s) and risk index	Further action to reduce risk(s) and resulting risk index
1	Aerodrome operations	Foreign object FODS	Piece of metal on the runway	Damage to aircraft	1. Daily runway inspection 2. Aerodrome operations manual  <i>Risk index: 3B</i> <i>Risk tolerability: Risk control/mitigation requires management decision</i>	1. Review policies on aerodrome inspections 2. Review procedures in the aerodrome operations manual 3. Reinforce frequency of runway inspections 4. Update training for aerodrome operations personnel  <i>Risk index: 1B</i> <i>Risk tolerability: Acceptable after review of the operation</i>

N°	Type of operation or activity	Generic hazard	Specific components of the hazard	Hazard-related consequences	Existing defences to control risk(s) and risk index	Further action to reduce risk(s) and resulting risk index
2					<i>Risk index:</i> <i>Risk tolerability:</i>	<i>Risk index:</i> <i>Risk tolerability:</i>
3					<i>Risk index:</i> <i>Risk tolerability:</i>	<i>Risk index:</i> <i>Risk tolerability:</i>

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