

**RECORD TEMPLATE ON IDENTIFICATION, ANALYSIS AND
MITIGATION OF HAZARD**

Identification No		Source	<input type="checkbox"/> Safety Report <input type="checkbox"/> Safety Review <input type="checkbox"/> Safety Assessment <input type="checkbox"/> Safety Audit <input type="checkbox"/> Safety Observation <input type="checkbox"/> Safety Survey <input type="checkbox"/> Sampling Survey <input type="checkbox"/> Others
Assessment Date	YYYY.MM.DD		
Assessment Items	Name of IFP/SID/STAR/ATS route		
Category of Hazard	<input type="checkbox"/> Human Factors <input type="checkbox"/> Equipment <input type="checkbox"/> Operational <input type="checkbox"/> Environment		
Identification of Hazard(s)	Subject :		
	Details (includes a review of safety incidents of the existing procedure(s), if any) :		
Risk Analysis	Probability	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5	
	Severity	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E	
Outcome of Risk Analysis	Assessed Risk Index	<input type="checkbox"/> Unacceptable <input type="checkbox"/> Acceptable based on risk mitigation <input type="checkbox"/> Acceptable	
	(Probability & Severity, e.g. 3C)		
Mitigation Measures			
Outcome of Safety Reassessment			
Comments by Safety Assessment Team (If necessary)			
Date Completed	YYYY.MM.DD		

Safety Risk Probability Table (SMM Manual (Doc 9859) Figure 2-11)

Likelihood	Meaning	Value
Frequent	Likely to occur many times (has occurred frequently)	5
Occasional	Likely to occur sometimes (has occurred infrequently)	4
Remote	Unlikely to occur, but possible (has occurred rarely)	3
Improbable	Very unlikely to occur (not known to have occurred)	2
Extremely Improbable	Almost inconceivable that the event will occur	1

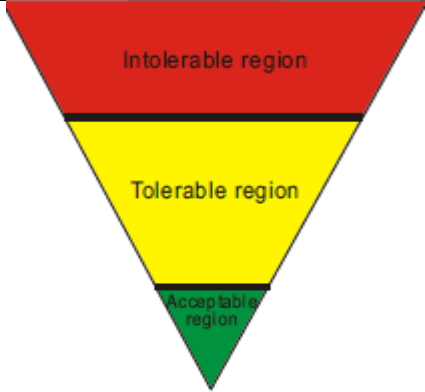
Safety Risk Severity Table (SMM Manual (Doc 9859) Figure 2-12)

Severity	Meaning	Value
Catastrophic	<ul style="list-style-type: none"> • Equipment destroyed • Multiple deaths 	A
Hazardous	<ul style="list-style-type: none"> • 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 • Serious injury • Major equipment damage 	B
Major	<ul style="list-style-type: none"> • A significant reduction in safety margins, a reduction in the ability of the operators to cope with adverse operating conditions as a result of an increase in workload or as a result of conditions impairing their efficiency • Serious incident • Injury to persons 	C
Minor	<ul style="list-style-type: none"> • Nuisance • Operational limitations • Use of emergency procedures • Minor incident 	D
Negligible	<ul style="list-style-type: none"> • Few consequences 	E

Safety Risk Assessment Matrix (SMM Manual (Doc 9859) Figure 2-13)

Risk Probability	Risk Severity				
	Catastrophic A	Hazardous B	Major C	Minor D	Negligible E
Frequent 5	5A	5B	5C	5D	5E
Occasional 4	4A	4D	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

Safety Risk Tolerability Matrix (SMM Manual (Doc 9859) Figure 2-14)

Tolerability Description	Assessed Risk Index	Suggested Criteria
 <p style="text-align: center;">Intolerable region</p>	<p style="color: red;">5A, 5B, 5C, 4A, 4B, 3A</p>	<p>Unacceptable under the existing circumstances</p>
<p style="text-align: center;">Tolerable region</p>	<p style="color: green;">5D, 5E, 4C, 4D, 4E, 3B, 3C, 3D 2A, 2B, 2C, 1A</p>	<p>Acceptable based on risk mitigation. It may require management decision.</p>
<p style="text-align: center;">Acceptable region</p>	<p style="color: green;">3E, 2D, 2E, 1B, 1C, 1D, 1E</p>	<p>Acceptable</p>
