

Root cause	Primary cause	Sub-classification of primary
<b>1. lack of surveillance leading to ammunition deterioration</b>	1.1. auto-initiation (auto-	
	1.2. mechanical deterioration	1.2.1. sensitization, typically due to corrosion
		1.2.2. exudation (e.g. white phosphorus and nitro-based
		1.2.3. compatibility problems between chemical compounds
	1.3. chemical deterioration	1.3.1. formation of volatile compounds (e.g. copper azide)
		1.3.2. depletion of propellant
		1.3.3 component ageing
		1.3.4. component ageing
<b>2. inappropriate storage infrastructure and systems</b>	1.4. suspected	
	2.1. falling objects	2.1.1. weak internal storage
		2.1.2. unsafe ammunition
	2.2. internal fire	2.2.1. electrical fault
	2.2.2. incompatible structural	
	2.2.3. hot surfaces	
<b>3. handling errors and inappropriate working practices</b>	2.3. suspected	
	3.1. mechanical damage (caused by shock initiation)	3.1.1. rough handling (including transporting within depot)
		3.1.2. munitions being dropped
		3.1.3. vibration
	3.2. inappropriate work practices	3.2.1. unauthorized activities and items (e.g. smoking)
		3.2.2. work involving the use of heat (e.g. welding)
		3.2.3. storage of incompatible
		3.2.4.horseplay (foolish and irresponsible behaviour)
	3.3. tampering	3.3.1. tampering (deliberate)
		3.3.2. tampering (accidental)
	3.4. during demilitarization/explosive	3.4.1. inadvertent initiation of UXO
	3.4.2. inappropriate disposal	
<b>4. Failure to take into account external, environmental influences and events</b>	3.5. suspected	
	4.1. extreme weather	4.1.1. lightning
		4.1.2. extreme climatic heat
		4.1.3. extreme climatic humidity
		4.1.4. extreme fluctuations (e.g. of humidity or temperature, such as freezing and thawing)
	4.2. external fire	4.2.1. vegetation fire
		4.2.2. vehicle fire
		4.2.3. building fire
4.3. other		
4.4. suspected		
	5.1. criminal/deliberate act	5.1.1. deliberate explosion
		5.1.2. deliberate fire

<b>5. Poor security</b>		5.1.3. during theft (e.g. illegal
		5.1.4. failure to withstand external attack (excluding aerial
	5.2. suspected	
<b>6. Cause currently undetermined or unrecorded</b>		