



SAFEX INTERNATIONAL

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INCIDENT NOTICE

(Kindly direct all correspondence to the Secretary General)

INCIDENT TITLE: Hopper Detonation: Czech Republic

DATE POSTED	REFERENCE	SOURCE
31 May 2018	NI18-05	Austin Star Detonator
INCIDENT OUTLINE		
When did it happen?	Tuesday, August 8, 2017 at 1:30am	
Who experienced it?	Austin Star Detonator Co (ASD)	
What material was involved?	Shock tube in process of manufacture HMX/AL mixture – 200 grams	
What happened?	<p>Immediately following a spool transfer the Shock tube initiated from a slap and shoot inside the take up. The propagation was towards the powder feed unit. The Initiation reached the dosing system and detonated the powder feed unit with approximately 200 grams of HMX/AL mixture.</p> <div style="display: flex; align-items: center;">  <div style="border: 1px solid black; padding: 5px; margin-left: 20px;"> <p>Tube initiated from a “slap and shoot”</p> </div> </div>	
Why did it happen -theory?	<p>The snagger, a component of the take up machine, did not hold the tail end of the spool as it began winding and slapped the machine base at a high speed resulting in the “slap and shoot”.</p> <p>A guillotine safety system designed to cut the shock tube before the propagation could reach the dosing system had failed due to a faulty electrical component.</p> <div style="display: flex; align-items: center;">  <div style="border: 1px solid black; padding: 5px; margin-left: 20px;"> <p>Latching electrical component failed due to corrosion</p> </div> </div>	

