

Incident Summary #II-728385-2018 (#8204) (FINAL)

SUPPORTING INFORMATION	Incident Date	June 11, 2018	
	Location	Burnaby	
	Regulated industry sector	Elevating devices - Elevator	
	Injury	Qty injuries	1
		Injury description	Apprentice (Mechanic in training) sustained a fracture to the big toe on the left foot
		Injury rating	Moderate
	Damage	Damage description	No damage to regulated product
		Damage rating	None
Incident rating	Moderate		
Incident overview	A mechanic and his apprentice (mechanic in training) were starting a quarterly inspection of the escalator. The apprentice was using an exposed step in the pit as a foot hold, when the mechanic not knowing that the apprentice's foot was in a pinch point, jogged the escalator resulting in the apprentice's left foot being injured from being caught between the steps.		
INVESTIGATION CONCLUSIONS	Site, system and components	An escalator has metal steps in a continuous loop that move on tracks and have a top and bottom landing platforms which house the curved sections of the track as well as the gears and motors that drive the steps. The truss is a metal structure bridge that supports the tracks which supports the steps. The track is built into the truss to guide the step chain and handrails, which pulls the steps and handrails from the bottom platform and back to the top in an endless loop. When an inspection or repair is conducted on an escalator, the mechanic(s) will have a remote pendent to be able to operate the escalator. When the mechanic that has the remote pendent is ready to move the escalator, he/she will relay to the other mechanic his/her intentions. When the remote mechanic confirms that he/she is clear, the mechanic with the pendent will then move/jog the escalator using the pendent. If the other mechanic is not clear, the mechanic with the pendent will not move/jog the escalator.	
	Failure scenario(s)	The mechanic with the remote pendent began to move/jog the escalator without first communicating to the mechanic in training his intention to move the escalator which resulted in the mechanic in training having his foot caught in the steps.	
	Facts and evidence	Through witness interviews and site investigation: <ul style="list-style-type: none"> • No equipment failure occurred • There was a breakdown in communications between the licensed mechanic and the mechanic in training • Normal safety procedures were not followed 	
	Causes and contributing factors	It is very likely that this incident was caused by the lack of communications between the licensed mechanic and mechanic in training around the process of performing an inspection/repair. A contributing factor may have been not following the safety protocols for inspection/repair.	