

Incident Summary Report- II-662147-2018 (ID: 6187) Final

SUPPORTING INFORMATION	Incident Date	March 7 2018	
	Location	Richmond	
	Regulated industry sector	Elevating Devices - Elevator	
	Injury	Qty injuries	1
		Injury description	Bruising and possible fracture of left foot
	Impact	Injury rating	Moderate
		Damage description	There are 2 handrail mounts securing the handrail to the elevator wall. The front fastener of the right hand elevator handrail, with respect to being in the hallway looking into the elevator, became loose causing one side of the handrail to drop onto the left foot of the injured.
		Damage rating	None
Incident rating	Moderate		
Incident overview	Technical Safety BC received a report of a building guest being injured in an elevator. It was reported that a loose handrail mount came loose allowing one end of the handrail to fall onto the occupant's foot.		
INVESTIGATION CONCLUSIONS	Site, system and components	In this elevator there are 3 handrails mounted to the elevator walls. These handrails are secured to the elevator walls by 2 handrail mounts and fasteners. Handrails are used by guests for support while using the elevator.	
	Failure scenario(s)	A building guest's left foot was injured while using the elevator, when one end of a handrail became dislodged from the elevator wall. This occurred due to a loose handrail fastener.	
	Facts and evidence	<ul style="list-style-type: none"> • Upon site inspection, one end of the handrail was found to be in contact with the ground due to a fastener coming loose. • No evidence of tampering with handrail was found upon investigation. • The fastener came loose but was still attached to the mount. • 3 pictures of the handrail mount and the handrail were taken when safety officer attended the site (see attached) • An email was received from the Building Manager Assistant with a forwarded email from the business of which the injured guest attended. In addition, the email included a brief description and 4 pictures (2 of her foot and 2 of the dislodged handrail). 	
	Causes and contributing factors	It is most probable that the handrail fastener became loose from regular use and occupants leaning on the handrail over the years. Then coincidentally the injured occupant's foot was hit when the handrail became dislodged from the wall.	

Photos:





Hand Rail mount and where the railing is fastened with screw



Railing on the floor of the elevator after it was dislodged from the wall