



SAFETY ALERT

SYSTEM/ EQUIPMENT	Braking System / Locomotive – SIEMENS VECTRON X4 Family A (91 80 6193 271-4) and any other locomotive equipped with the same braking system	
SAFETY ISSUE DESCRIPTION	A repeatable fault condition was found which can cause – on rare occasion - an unexpected release of the independent brake due to a leakage of air in the system	
CIRCUMSTANCES <i>(e.g. special weather conditions)</i>	A SIEMENS VECTRON locomotive, which was switched off correctly, and left unattended by the driver began to move in a short period of time at Budapest, Ferencvaros station. The runaway locomotive rolled over 4 km to Soroksári út station without any person on the board. At Soroksári út station the loco was made collide into a bumper at the end of the track, and derailed. During tests done by the manufacturer was documented that with small leakage in the brake cylinder pre-control path of the distributor valve the pre-control pressure path of the distributor valve redundancy function can be fully vented via the double check valve.	
REASON FOR ISSUE	Due to the case mentioned above the brake cylinder pressure can be fully released while the pressure controlled spring applied parking brake will stay released and the parked locomotive will then be released. Under certain conditions this could cause the runaway of the locomotive. (SIEMENS has meanwhile informed on their findings all VECTRON operators.)	
LIST OF SUPPORTING DOCUMENTS <i>(e.g. PHOTOS, LINKS)</i>	Click here to enter text.	
LINKED WITH OCCURRENCE NOTIFIED TO ERA DATABASE?	yes	LINK TO ERA NOTIFICATION https://erail.era.europa.eu/occurrence/HU-5177-22-0/Runaway,-17-09-16,-Ferencv%C3%A1ros-(Hungary)
OCCURRENCE DATE	17/09/2016	

ISSUER

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