

SUMMARY IN ENGLISH

A woman with a double pram walked down a staircase that led to the platform at the metro underground station of Masmø. She had two children with her. One of the children was seated in the pram and the other walked on his own. The woman pushed the pram halfway through the open train doors to board the train. She then turned around to look for her other child who was behind her. At that moment, the train doors closed and the pram got stuck halfway into the train. The child who was seated in the pram was taken care of by one of the passengers onboard and was not injured. The train departed and reached a speed of approximately 45–50 km/h before the pram hit the gate at the end of the platform and was broken into several pieces. The child was later returned to the woman by the passenger.

The fact that the incident could occur was due to the lack of technical barriers that independently of the driver, could prevent the train from being driven with an open door. The existing safety barriers, which rely entirely on the driver's actions, were not sufficient to prevent the incident.

The direct causal factors that led to the incident were lack of control before departure in combination with the pram entering the train at a late stage. Contributing to the lack of control at departure was that the platform seemed empty and that the driver therefore was convinced that all passengers had already boarded the train. The driver was also intent on keeping the timetable and when he entered the cab he focused on the visual countdown on his driver assistance tool.

Safety recommendations

The Public transport administration region Stockholm is recommended to:

- Assess if it is justified to introduce a technical safety barrier, which is independent of the driver's actions, in C14/C15 vehicles. (*RJ 2020:02 R1*)
- In consultation with MTR Tunnelbanan AB ensure that the function of the “quick-start”, and its limitations is well documented in both the Public transport administration's and MTR's governing documents. (*RJ 2020:02 R2*)