



## Safety recommendation no. 182

<b>Date of the publication</b>	03.04.2023
<b>Number of the final report</b>	2019041601
<b>Safety deficit</b>	<p>On 16 April 2019 at 23:58, the locomotive of a goods train entering Zurich marshalling yard from Zurich Wiedikon collided with the bucket of a road-rail excavator shortly after the entry signal. No persons were injured. The locomotive of the goods train was damaged.</p> <p>The collision between a goods train and the bucket of a road-rail excavator in Zurich marshalling yard on 16 April 2019 was caused by the road-rail excavator being transported in a way not permitted by operational regulations during which the operator failed to notice that the upper cab of the road-rail excavator was slowly tilting inwards into the profile of the goods train while standing still over a prolonged period of time.</p> <p>The following contributed to the accident:</p> <ul style="list-style-type: none"><li>- The lack of vehicle-specific operating rules governing the use of the road-rail excavator in railway operations.</li><li>- Inadequate vehicle-specific training regarding the types of movement of the road-rail excavator permitted in railway operations.</li></ul> <p>Other factors:</p> <p>The specifications of the operating licence had not been included in any regulations.</p> <p>The investigations showed that the employees had insufficient knowledge of how to use the vehicle in railway operations. This resulted in the vehicle moving in an unacceptable and unsafe way and profile damage.</p>
<b>Safety recommendation</b>	<p>Within the framework of safety monitoring, the Federal Office of Transport (FOT) should review how all parties involved are provided with and instructed about operating licence conditions and restrictions relevant to the operation of construction service vehicles. The FOT should also review how compliance with such conditions and restrictions are checked in practice.</p>
<b>Addressees</b>	Bundesamt für Verkehr
<b>Stage of the implementation</b>	<p>Partially implemented: The Federal Office of Transport (FOT) responds as follows: The safety recommendation will be dealt with in forthcoming monitoring activities. It will be approximately five years before it can be implemented.</p>
<b>Investigation report concerning the safety recommendation</b>	<p><u><a href="#">Vorbericht</a></u> <u><a href="#">Schlussbericht</a></u></p>