



Safety recommendation no. 90

Date of the publication	05.02.2016
Number of the final report	2014122701
Safety deficit	<p>On 27th December 2014, the steamboat 'Uri' was running a tour of Lake Lucerne without a scheduled stop from Lucerne. When passing in the vicinity of Kastanienbaum, a fire was detected in the auxiliary engine room. The boat was thereafter sailed to the landing in Hergiswil, where it was evacuated and the fire was extinguished by the fire service. No one was injured.</p> <p>The fire is probably the result of a damaged stranded wire cable that ran too tightly to the generator's terminal board. When using a cable supply without strain relief, the cross section can become too small due to fracturing of the cable strands and thus no longer be sufficient for the power being conducted. As a result, overheating and arcing are possible causes of the fire.</p>
Safety recommendation	The FOT should ensure that during the assembly of electrical components on craft no impermissible forces can occur at terminal connections.
Addressees	Bundesamt für Verkehr
Stage of the implementation	<p>Partially implemented. The FOT states that the installation of electrical devices on board boats falls under the supervision of the Federal Inspectorate for Heavy Current Installations (ESTI) and not the FOT, and that the safety recommendation made therefore falls within the scope of ESTI.</p> <p>The FOT has, however, made ESTI aware of safety recommendation no. 90.</p>
Investigation report concerning the safety recommendation	<u>Schlussbericht</u>