



## CSM-RA NNTRs as at: June 2021

NNTV CH-CSM-RA	Titel	Version <sup>1</sup>	Date <sup>2</sup>
CH-CSM-RA-001	Proof of safety concept for acquiring ETCS authorisation in Switzerland	2.0	June 2021

<sup>1</sup> The version indication consists of two figures separated by a point: x.y; x indicates the current version; y indicates corrections and editorial changes.

<sup>2</sup> The date is updated when changes are made to either x or y.

### Version history

Date	Change
June 2021	<p>General improvements, updates and clarifications made.</p> <p>CH-CSM-RA-001; References the revised «Sicherheitsnachweiskonzept für die Erlangung einer ETCS-Zulassung in der Schweiz (inkl. Testkonzept)» (version 3.1). This has undergone various modifications and now also specifies ESC/RSC.</p> <p>CH-CSM-RA-002 repealed, as the first requirement is contained in the document referenced with CH-TSI CCS-007. The second requirement is regulated elsewhere (including in the «Sicherheitsnachweiskonzept für die Erlangung einer ETCS-Zulassung in der Schweiz (inkl. Testkonzept)»).</p> <p>CH-CSM-RA-003 repealed and the requirement included in the document 'Voraussetzungen für den Einsatz von Fahrzeugen auf ETCS-Strecken' (SF ETCS CH document).</p>

## Notified National Technical Rules (NNTRs)

<b>ID:</b>	<b>CH-CSM-RA-001</b>	<b>State:</b>	Switzerland	<b>Version:</b>	<b>2.0</b>	<b>Date:</b>	June 2021
<b>Title:</b>	<b>Proof of safety concept for acquiring ETCS authorisation in Switzerland</b>						
<b>Office responsible:</b>	Federal Office of Transport FOT Approvals and Rules Section			<b>Address:</b>	3003 Bern Switzerland		
<b>E-mail:</b>	_BAV-WeiterentwicklungRegelwerke@bav.admin.ch						
<b>Referenced TSI or CSM article:</b>	CCS TSI, Clause 3.2.1 CSM-RA, Annex I, Section 1.1.1						
<b>Reference in Swiss regulation:</b>	IP-RailO IP 38.3, Section 1.1 IP-RailO IP 47.1, Section 3.2						
<b>Current NNTR classification:</b>	<input type="checkbox"/> NNTR on an 'open point' in the CSM <input type="checkbox"/> NNTR due to difference between Swiss regulation and corresponding requirements in the CSM <input checked="" type="checkbox"/> NNTR due to additional requirements in Swiss regulation without equivalent in the CSM						
<b>Full description:</b>	<b>Title:</b>	Proof of safety concept for acquiring ETCS authorisation in Switzerland					
	<b>Type of requirement</b>	Safety	Reliability/availability	Health	Environment	Technical compatibility	
		X	X	-	-	X	
	<b>Scope of application</b>	ETCS-L2 and L1LS lines and vehicles in Switzerland					
	<b>Requirement</b>	<p>The compliance and proof of safety described in the document «Sicherheitsnachweiskonzept für die Erlangung einer ETCS-Zulassung in der Schweiz (inkl. Testkonzept)» Version 3.1' (SF ETCS CH baseline) must be provided in order to acquire ETCS authorisation for vehicles and infrastructure.</p> <p>This NNTR does not need to be checked by a designated body (DeBo) as compliance is implicitly demonstrated in the approval process.</p>					
	<b>Reasons/explanation</b>	<p>The «Sicherheitsnachweiskonzept für die Erlangung einer ETCS-Zulassung in der Schweiz (inkl. Testkonzept)» sets out a structure and process for safety-related activities and for the approval of vehicles and lines. It is drawn up an implementation of the ERA Clarification Note on Safe Integration (ERA 1209/063 V 1.0), and provides additional information on safe integration (ETCS on-board equipment – vehicle, vehicles in a network and vehicle – line) and defines the roles involved and their tasks and responsibilities.</p> <p>In the case of actual projects, it is recommended to contact the SF ETCS CH for any new information.</p>					
	<b>Applicable to</b>	RU	Vehicle owner	IM	IU		
X		X	X	X			
<b>Validity period</b>	unlimited						
<b>Current applicable norms in Switzerland:</b>							
<b>Test specification for certificate of conformity:</b>							