



**CERTIFICATE of  
MAINTENANCE FUNCTIONS**

confirming acceptance of the maintenance system within the European Union and the  
Signatory States in conformity with the

**COMMISSION IMPLEMENTING REGULATION (EU) 2019/779 of 16<sup>th</sup> May 2019**

**OTIF/EU IDENTIFICATION NUMBER (EIN)**

CH/32/0222/7452

**1. CERTIFIED ORGANISATION**

Legal designation:	Müller Technologie AG Langenfeldstrasse 94 8500 Frauenfeld, Switzerland	Acronym: <b>MFAG</b>
National registration number:	CH-440.3.007.170-7	VAT No: CHE-101.082.082

**2. CERTIFICATION BODY**

Organisation:	SCONRAIL Ltd, Zuercherstrasse 41, 8400 Winterthur		
Country:	Switzerland	EIN Number:	CH/30/0221/0001

**3. CERTIFICATE INFORMATION**

This is a	- new certificate	<input type="checkbox"/>	EU Identification Number (EIN) of previous certificates: CH/32/0220/7299
	- renewed certificate	<input type="checkbox"/>	
	- updated/amended certificate	<input checked="" type="checkbox"/>	
Valid from: 23.03.2022		To: 12.02.2025	
Type of company: (railway undertaking, keeper, etc.)		Maintenance supplier, ECM Provider	

**4. SCOPE OF ECM ACTIVITIES**

Category of vehicles: (Freight wagons, internal combustion engines and/or electric multiple units, internal combustion engines or electric traction units, passenger coaches and mobile equipment for the construction and maintenance of railway infrastructure)	Freight wagons
Covers wagons specialised in transport of dangerous goods	No

**5. MAINTENANCE FUNCTIONS**

	Yes	partial	No
Maintenance development	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fleet maintenance management	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Maintenance delivery	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**6. ADDITIONAL INFORMATION**

Basis is the SCONRAIL audit report No. ECM-3891/ Scope of inspection see page 2			
Issue date	23.03.2022		
Internal reference number		Signature:	
SRL.468.00 / ECM-7452	Fo 607, V8.0		J. Raubold



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**5a. SCOPE OF INSPECTION**

Product group in accordance with EN 15380-2	Maintenance Level*				
	1	2	3	4	5
<b>Vehicle body:</b> Side walls, Roof, Head of vehicle, Weld-on/add-on parts, Intermediate floor, Partitions	X	X	X	X	X
<b>Vehicle fitting out:</b> Window, Floor, Interior panelling, Partitions, External additions, Vehicle paintwork, Insulation	X	X	X	X	X
<b>Interior appointments:</b> Rails, handles (inside), Seats, sleeping berths, tables, Sanitary facilities, Luggage racks, Additional devices	X	X	X	X	X
<b>Running gear:</b> Supporting structures, Wheelsets, Suspension, damping, balancing gear, Driving systems (active), Driven systems (passive), Safety add-ons	X	X	X	X	X
<b>Power system, drive unit:</b> Power supply, Power generation, Power conversion, Power dissipation, Power storage	X	X	X	X	X
<b>Auxiliary operating equipment:</b> Converter equipment, Battery device, On-board supply system, Cooling unit for power and drive systems, Emergency power generators	X	X	X	X	X
<b>Doors, entrances:</b> External doors, Internal doors, Entrances, steps (not inside), Entrances for the disabled	X	X	X	X	X
<b>Pneumatic/hydraulic equipment:</b> Generation, Treatment, Storage, Distribution	X	X	X	X	X
<b>Brake:</b> Brake components, Mechanical brake force transmission	X	X	X	X	X
<b>Vehicle linkage devices:</b> Automatic coupling devices, Manual coupling devices, Buffing gear, Towing gear (emergency couplings), Gangways/gangway facilities, Vehicle-vehicle interface for media, signals, power	X	X	X	X	X
<b>Carrier systems, enclosures:</b> Cabinets, boxes, containers, Frames, boards, Control and display units, electronic rack systems	X	X	X	X	X
<b>Electrical wiring:</b> Cables, conductors and bars, Marking and connection material, Connecting material, Bushings, Cable ducts, pipes and flexible tubes	X	X	X	X	X

Applied procedures	
<b>Welding in accordance with: EN 15085</b>	X
<b>Mobile maintenance and service in in accordance with chapter 4.6 ECM guide V9.0 from 01.03.2021</b>	X

\*Maintenance levels are defined according to "ERA 1172-003 Certification scheme for ECM and outsourced maintenance functions under Regulation (EU) 2019/779".