

This Checklist is an appendix to CRR-G-036; it contains the criteria for and may be used for the ASSESSMENT in accordance with CRR-G-036 of a New Rolling Stock Assessment application for Rolling Stock on a Heritage, museum or tourist railway that operates on its own network including workshops, vehicles and staff

Assessment Result (A= no deviation identified/ B= non-conformity)

Application Information:			
Organisation:	RSC Project Assessment Team:		Submission Date:
Applicant organisation legal title and address	Names:	Status:	Choose
	For CRR use	For CRR use	RSC Project No.:
	For CRR use	For CRR use	RSC Project Manager:
			For CRR use

Assessment Date, Status of List and Comments:
For CRR use

No.:	Parameter:	Parameter Explanation:	Voluntary Standards:	Application Information:	Assessment Result:	CRR Response:
1.0	General Information	General documentation (including description of new, renewed or upgraded vehicle and its intended use, design, repair, operation and maintenance information, technical file, etc.)				
1.1	General description of Project/ Product(s)/ Interfaces	General technical description of the vehicle including: - its design (fixed formations, multiple unit operation, push-pull operation, etc.) - intended use (Commuter, Heritage, Tourist, etc.), - max design speed, - length of vehicle, - axle arrangement, - axle spacing, - signalling systems fitted (if any), - radio systems (if any), - declaration on intended design life (if new), - previous history including upgrading and renewals, - etc.	EN 15663	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
1.2	APIS related information	Definition of project: - scope/ boundaries, - scope relating New Build/ Upgrade/ Renewal		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
1.5	Absence and/or control of hazardous materials during design, operation, maintenance, de-commissioning.	Declaration on absence of Asbestos, PCB, radioactive material. For other dangerous materials, pollutants: Evidence on avoidance, reduction, containment and control during installation, operation, maintenance, de-commissioning.	REACH	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
1.6	Mass Concept	Weight concept defining relevant vehicle masses: - Design mass under exceptional payload - Design mass under normal payload - Design mass in working order - Mass per axle (for each axle and all load conditions)	EN50215 EN14363 EN15663	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
2	Additional requirements, relevant in combination with all parameters					
2.1	Environmental impact on RST	Design tolerances for: Altitude, Temperature, Humidity, Rain, Snow, ice and hail, Crosswind effects Impact evaluation to include all functions and systems on board (incl. but not limited to HVAC driver/passengers, fuel systems, engine air intake, cooling air intake, compressor air intake)	EN50125 EN60721	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
3.0	Structure	Mechanical integrity and interface between vehicles (including draw and buffer gear, gangways, strength of vehicle structure and fittings (e.g. seats), loading capability, passive safety (incl. interior and exterior crashworthiness).				
3.1	Structural integrity of Body shell, Frame	Evidence on appropriate design and validation of: - car body structure	EN 12663	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and	For CRR use	For CRR use

	(Strength and integrity, Lifting and jacking, Fixing of devices to car body structure, Rail guard)	- (under)frame, running gear mounting/suspension, bogie mounting - access and egress systems/ lifts - track sweeper/ life guard/ obstacle deflector/ snow plough - lifting and jacking arrangements, bogie/ axle restraints - fitting of interior and exterior fittings (mounting of bogies, equipment components, etc.) - mounting of other relevant equipment - provisions secondary restraints for parts which may fall on track and cause derailment (e.g. brake rigging, drive shafts) - locking of movable parts which could infringe gauge (e.g. hatches, flaps, doors) - support, containment, restraint, protection of cargo/ moveable vehicle parts (including doors, hatches, tanks, floors, etc.), - protection of wheels from obstacles on the rails		chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.		
3.2	Structural integrity and geometrical limits of vehicle connections/gangways	evidence on appropriate design and validation of: - Gangway/ step plates - vehicle connections - geometry (horizontal/ vertical/ rotational) - protection of passengers	EN 12663	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
3.3	Passive safety	evidence on appropriate design and validation of equipment limiting consequences of hitting a track obstruction/ of a collision: >obstacle deflector, >structural integrity of occupied areas, >securing of interior fittings	EN15227 EN 15152	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
3.4	Structural integrity of Bogies, Running gear	evidence on appropriate design and validation of: - bogies and attached parts - running gear and attached parts - provisions of secondary restraints for parts which may fall on track and cause derailment (e.g. brake rigging, drive shafts)	EN 13749 EN 14363	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
3.5	Structural integrity of Connections between various parts of the vehicle	e.g. connection/ suspension system/ traction bars/ torque links/ drive shafts/ tilting system between car body and bogie	EN 12663	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
3.6	Wheelset and attached parts	Including axles, wheels, brake disks, gearboxes, etc. - structural integrity - geometric tolerances	EN13260 EN13103 EN13104 EN13979 EN 13261 EN 13262	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
3.7	Bearing systems	Design and structural integrity of Bearing systems (liners, bearings, grease, axle box, speed probes)	EN 12080 EN 12081 EN 12082	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
3.8	Joining technologies, associated NDT	Details on appropriate qualification, design and execution for: - welding, - bonding/gluing, - other joining methods, - associated NDT approaches (to prevent defects to decrease the mechanical characteristics of the structure)	EN15085 EN473	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
3.9	Windows/ Glazing	Including: - mechanical characteristics of windows and other glazing (including mirrors) - requirements for emergency exits through windows	relevant national or international standard	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
4.0	Coupling					
4.1	End Coupling, Rescue Coupling, Intermediate Coupling, Buffer System including electrical connections, pneumatic connections, etc.	Description of - coupling system - mechanical interface push/pull (structural integrity) - electrical interface - pneumatic interface - elastic system - calculation of suspension and coupler heights - retraction and storage system (if applicable)	EN15020 EN15551 EN15566 EN12663	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
5.0	Running safety and vehicle dynamics	Rolling stock dynamic behaviour including equivalent conicity, instability criterion, safety against derailments, track loading,				

		etc.				
5.2	Running safety and dynamics	Wheel profile and new and in service limits to be established	EN15302 EN13715 EN 14363	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
5.2		Track loading compatibility parameters. E. g. dynamic wheel force, wheel forces exerted by a wheel set on the track		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
6.0	Safety Integrity and Availability of Train Control Functions	integrity of software, e.g. safety-related functions with impact on the train behaviour including train bus				
6.1	Active control of Running Dynamics	Integrity of software employed for safety-related functions including: - Integrity of train bus - Indication of passenger alarm to driver - Indication of alarm operation to passenger - Status of doors, moveable steps and locks - Control of doors, movable steps and locks (remote/ local) - Emergency Door opening Control - Integrity of speed interlocking - Traction interlocking with open door - locking doors out of service - Isolation of Batteries - Driver Vigilance Control - Warning horn - Driver's speed indication (generation, distribution and indication) - Public Address System - Braking/ Traction Interlocking	EN50126 EN50128 EN50129 EN50159	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
	Service Brake Functions	Service Brake command	EN50126 EN50128 EN50129 EN50159	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
6.18	Emergency Brake Functions	Emergency braking command including: >automatic EB upon train separation in all permitted normal and degraded modes of operation (this includes train system setup in case of coupling) >connection of EB to passenger EB-request >EB suppression systems >EB caused by signalling system, on board hot box detection or DVD >EB caused by staff EB-request (last notch of brake handle, add. EB brake actuators for staff) >redundancy (e.g. indirect/ direct braking)	EN50126 EN50128 EN50129 EN50159	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
6.20	Direct Brake Functions	If DB is performing EB functions, including e.g.: >automatic EB upon train separation in all permitted normal and degraded modes of operation (this includes train system setup in case of coupling) >connection of EB to passenger EB-request >EB suppression systems >EB caused by signalling system or DVD >EB caused by driver EB-request (last notch of brake handle and add. EB brake actuators for staff)	EN50126 EN50128 EN50129 EN50159	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
6.22	Safety Integrity of Parking Brake Functions	Parking braking command	EN50126 EN50128 EN50129 EN50159	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
6.24	Brake status testing, detection and fault indication functions	Brake state and fault indication. Safety integrity of: - testing of brake functions (for state of operation/ continuity) - detection of status indication of status applied/ released/ brake test passed/ failed for all relevant types of brakes	EN50126 EN50128 EN50129 EN50159	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
6.27	Remote control functions	Remote control function	risk assessment "recognised standards"	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
6.28	Other Safety Related Functions	Other facilities to control operation of the train including all functions employing Electric/ Electronic/ Programmable Devices	EN50126 EN50128 EN50129	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and	For CRR use	For CRR use

			EN50159	chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.		
7.0	Braking	Braking-related items (including wheel-slide protection, braking control and braking performance in service, emergency and parking modes)				
7.1	Description of braking systems, braking functions	Overall functional description of all braking functions, including: - automaticity, - continuity, - inexhaustibility, - redundancy, - braking distances, - etc..	EN14198	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
7.4	Emergency braking performance	- indirect and direct brake - performance in critical weather conditions (e.g. wet) - material performance of pad/ block/ wheel/ disc	EN14531	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
7.5	Service braking performance	- indirect and direct brake - performance in critical weather conditions (e.g. wet) - material performance of pad/ block/ wheel/ disc	EN14531	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
7.7	Parking brake performance		EN14531	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
7.15	Brake requirements for rescue purposes	Brake requirements for rescue purposes. Permitted degraded operations	EN 14601	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
8.0	Access and Egress	Functional and technical specifications e.g. for people with reduced mobility				
8.1	Exterior doors	Including: - Passenger access/ egress - Staff access/ egress - Handrails - Ramps - Lighting	PRM	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
8.2	Emergency Exits	>positioning, distances, size, operation	PRM	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
8.3	Interior access egress	Including: - Passenger access/ egress - Staff access/ egress - Handrails - Ramps - Lighting	PRM	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
9.0	Passenger facilities					
9.3	Public Address System	Description of Public Address System (if any)		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
9.4	Passenger Communication/ alarm	Description of Passenger Communication/ alarm (if any)		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
9.5	Signs and information	Including safety instructions to passengers and emergency markings for passengers		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
9.6	Seats and specific PRM arrangements	Including any: - PRM seats - wheelchair spaces		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
9.9	Heating, ventilation and Air condition	Any heating, ventilation and Air condition systems		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and	For CRR use	For CRR use

	systems			chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.		
9.11	Emergency lighting	Description of Emergency lighting	EN13272	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
10.0	Visual and audible vehicle identification and warning functions					
10.2	Vehicle lights	Including: - Head lights - Marker lights - Tail lights	EN15153	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
10.7	warning horn		EN 15153 EN ISO 7731	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
11.0	Traction System	On-board propulsion, power and control systems plus the interface of the vehicle to the power supply infrastructure and all aspects of EMC				
11.1	Traction performance	Including: - nominal traction performance (short time, permanent performance) - residual traction performance in degraded mode if any		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
12.0	Electric Power	On-board propulsion, power and control systems plus the interface of the vehicle to the power supply infrastructure and all aspects of EMC				
12.1	Electric Power	>nominal voltages/frequencies and tolerances >system design		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
12.9	High voltage components	>Main circuit breaker >voltage measuring devices >surge arrestors >isolators		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
12.10	Electrical protection	>main circuit breaker >isolation coordination >mechanical enclosure	EN150153	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
12.12	Earthing		EN 50153	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
14.0	Electromagnetic compatibility					
14.1	EMC coordination	The electromagnetic compatibility between parts of the on-board electrical power supply and control system, other vehicles, trackside equipment and any relevant environment external to the railway system	EN 50121	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
15.0	Powered Systems					
15.01	Thermal traction systems	Diesel and other thermal traction system requirements		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
15.02	Tanks and pipe systems for flammable liquids	Special requirements for tanks and pipe systems for flammable liquids (including fuel)	Risk Assessment EN 50126 EN 50128	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state	For CRR use	For CRR use

			EN 50129	n/a and reasons why. All supporting documents to be provided as part of the application.		
15.03	Pneumatic Systems	Pressure vessel systems / pressure equipment	Pressure Equipment Directive Simple Pressure Vessels Directive EN 286	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
15.04	Hydraulic Systems	Hydraulic/pneumatic supply and control systems. Functional and technical specifications, e.g. compressed air power supply, capacity, type, temperature range, air dryers (towers), dew point indicators, insulation, air intake characteristics, fault indicators, etc.	Pressure Equipment Directive	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
15.05	Steam boiler and steam systems	Steam boiler installations	Pressure Equipment Directive	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
15.06	Technical systems in potentially explosive atmospheres	Special requirements for technical systems in potentially explosive atmospheres (e.g. liquid gas, natural gas and battery-powered systems, including protection of transformer tank)	ATEX directives Risk Assessment	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
16.0	Driver Cab					
16.1	Cab Interior design, layout and ergonomics	Description (diagram) of cab layout including: - Desk/ controls/ displays/ indicators - Seat - Access, egress and doors - emergency exits - noise Including horn level inside the cab - lighting - driver vigilance system/ devices - signage and labels - warning tones		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
17.0	windscreen (drivers cab/ driving staff)					
17.1	mechanical characteristics windscreen		EN 15152	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
17.2	equipment of windscreen	e.g. de-icing, de-misting, external cleaning devices, etc.	EN 15152	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
17.3	front visibility	Including - front: field of vision/ wiping/ demisting, absence of optical interference - rear and side view	EN 15152	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
18.0	staff facilities					
18.1	Staff access for coupling /uncoupling	Staff access for coupling /uncoupling		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
18.6	On-board tools and portable equipment and audible communication system	e.g. for communication between - the train crew, - the train crew and people inside/outside of the train or equipment needed by driver or staff in emergency situation		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
19.0	Fire safety and evacuation					
19.2	Fire safety and evacuation concept	General protection measures for vehicles including driver's cab. Fire detection, alarms, extinction equipment.	EN1363	To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
20.0	Infrastructure Interfaces	Mechanical interfaces to the infrastructure (including static and dynamic behaviour, clearances and fits, gauge, running gear, etc.)				

20.1	Vehicle Gauge	Compatibility of the vehicle profile with the infrastructure and other vehicles >platform interface		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
20.3	Minimum curve radius to be negotiated	Minimum curve radius to be negotiated Free movement of bogies, coupling, gangways, etc. at minimum curve radius to be negotiated		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
25.0	Provisions for Maintenance/ Servicing					
25.1	The maintenance description file	Maintenance manuals, instructions and/or leaflets required necessary to maintain the vehicle to a safe level. Any appropriate professional qualifications i.e. skills and associated training that are required for equipment maintenance.		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
25.7	Stabling of trains	Requirement for stabling of trains		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
26.0	Provisions for Operation					
26.1	Operating Manual	Instructions for operation in normal and degraded modes of the vehicle including: -training, - permitted train formations/ pre-defined formations		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
26.3	on board equipment	Specific items to place on-board: - first aid box, - etc.		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use
26.5	Operation under degraded conditions and instructions for rescue/ recovery	Plans and/or instructions for degraded use and rescue/ recovery		To be completed by the applicant. Please insert submitted answer/s and/ or document reference (doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documents to be provided as part of the application.	For CRR use	For CRR use