# CRR-G-055 Appendix 1

# Checklist for Application and Assessment of a New Rolling Stock Assessment application for Velorail Rolling Stock (RST)

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

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

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

No.:	Parameter:	Parameter Explanation:	Voluntary Standards & Statutory Instruments	Application Information:	Assessment Result:	CRR Response:
1.0	General Information & Documentation	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	Machinery Directive	Applicant to supply the certificate of incorporation under The Machinery Directive	Machinery 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 documentsto be provided as part of the application.	For CRR use	For CRR use
1.2	Machinery Directive	Applicant to supply the EC declaration of conformity confirming compliance with the EHSR's (Requirements of declaration are set out in The Machinery Directive)	Machinery 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 documentsto be provided as part of the application.	For CRR use	For CRR use
1.3	Machinery Directive	Applicant to confirm the limits of the machinery which include intended use and any reasonable misuse thereof (rated load, maximum speed, etc.)	Machinery 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 documentsto be provided as part of the application.	For CRR use	For CRR use
1.4	Machinery Directive	Applicant to supply risk assessment evaluating the operating risks and demonstrate that they are as low as reasonably practicable after management systems have been applied	Machinery 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 documentsto be provided as part of the application.		For CRR use
1.5	Machinery Directive	Applicant to supply emergency evacuation plan and procedures	Machinery 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 documentsto be provided as part of the application.	For CRR use	For CRR use
1.6	General description of Project/ Product(s)/ Interfaces	Applicant to supply general technical description of the vehicle(s) including: - their design - intended use (Commuter, Heritage, Tourist, etc.), - max design speed, - max design load - length of vehicle, - axle arrangement, - axle spacing, - signaling systems fitted (if any), - radio systems (if any), - declaration on intended design life (if new), - previous history of vehicle(s) including upgrading and renewals,	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 documentsto be provided as part of the application.	For CRR use	For CRR use
1.7	Absence and/or control of hazardous materials during design, operation, maintenance, de- commissioning.	Applicant to supply 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 documentsto be provided as part of the application.	For CRR use	For CRR use
1.8	COSHH assessments	Applicant to supply COSHH assessments for substances that could be hazardous to health (e.g. hydraulic oils, greases)	COSHH			

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1.9	Mass Concept	Applicant to supply Weight concept defining	EN50215	To be completed by the applicant. Please insert	For	For CRR use
		<ul> <li>Design mass under exceptional payload</li> <li>Design mass under normal payload</li> <li>Design mass in working order</li> <li>Mass per axle (for each axle and all load conditions)</li> </ul>	EN14363 EN15663	(doc No., doc name, etc.) and chapter/clause within. If not applicable, state n/a and reasons why. All supporting documentsto be provided as part of the application.	CRR use	
2	Additional requirements, relevant in combination with all parameters					
2.1	Environmental impact on RST	Applicant to supply 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 documentsto be provided as part of the application.	For CRR use	For CRR use
2.2	Environmental impact	Applicant to supply assessment of impact on any wildlife and/or farm animals and any associated risks (Such as track encroachment by cattle)		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 documentsto be provided as part of the application.		
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).	2			
3.1	Structural integrity of Body shell, Frame	<ul> <li>Applicant to supply Evidence on appropriate design and validation of:</li> <li>Car body structure</li> <li>Underframe</li> <li>Running gear</li> <li>Suspension</li> <li>Lifting &amp; jacking arrangements</li> <li>Fitting of interior fittings (seats etc)</li> <li>Fitting of any exterior components</li> <li>Passenger restraint systems</li> <li>Secondary restraints for components that might fall from the vehicle</li> <li>Braking systems</li> <li>Handbrake system</li> <li>Overspeed protection devices</li> <li>Buffers</li> <li>Derailment prevention devices</li> </ul>	EN 12663 EN 12080	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 documentsto be provided as part of the application.	For CRR use	For CRR use
3.2	Structural integrity and geometrical limits of vehicle connections/ gangways	<ul> <li>Applicant to supply evidence on appropriate design and validation of:</li> <li>geometry (horizontal/ vertical/ rotational)</li> <li>protection of passengers</li> </ul>	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 documentsto be provided as part of the application.	For CRR use	For CRR use
3.3	Passive safety	<ul> <li>Applicant to supply evidence on appropriate design and validation of equipment limiting consequences of hitting a track obstruction/ of a collision: <ul> <li>obstacle deflector,</li> <li>structural integrity of occupied areas,</li> <li>securing of interior fittings</li> </ul> </li> </ul>	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 documentsto be provided as part of the application.	For CRR use	For CRR use
3.4	Structural integrity of Running gear	<ul> <li>Applicant to supply evidence on appropriate design and validation of:</li> <li>running gear and attached parts</li> <li>running gear drive components</li> <li>provisions of secondary restraints for parts which may fall on track and cause derailment (e.g. brake rigging, drive shafts)</li> </ul>	EN 13749 EN 14363 EN 12080	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 documentsto 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	Applicant to supply evidence for structural integrity of connections 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 documentsto be provided as part of the application.	For CRR use	For CRR use
3.6	Wheelset and attached parts	<ul> <li>Applicant to supply evidence for axles, wheels, brake disks, gearboxes, etc.</li> <li>structural integrity</li> <li>geometric tolerances</li> </ul>	EN13260 EN13103 EN13104 EN13979 EN 13261 EN 13262 EN12080	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 documentsto be provided as part of the application.	For CRR use	For CRR use
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Bearing systems	Applicant to supply evidence of Design and	EN 12080	To be completed by the applicant. Please insert	For	For CRR use
			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 documentsto be provided as part of the application.	CRR use	
Joining technologies, associated NDT	<ul> <li>Applicant to supply Details on appropriate qualification, design and execution for: <ul> <li>welding,</li> <li>bonding/gluing,</li> <li>other joining methods,</li> <li>associated NDT approaches (to prevent defects to decrease the mechanical characteristics of the structure)</li> </ul> </li> </ul>	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 documentsto be provided as part of the application.	For CRR use	For CRR use
Coupling					
End Coupling, Rescue Coupling, Intermediate Coupling, Buffer System including electrical connections, pneumatic connections, etc.	<ul> <li>Applicant to supply Description of any</li> <li>coupling system</li> <li>mechanical interface push/pull (structural integrity)</li> <li>electrical interface</li> <li>pneumatic interface</li> <li>elastic system</li> <li>calculation of suspension and coupler heights</li> <li>retraction and storage system (if applicable)</li> </ul>	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 documentsto be provided as part of the application.	For CRR use	For CRR use
Running safety and vehicle dynamics	Rolling stock dynamic behavior including equivalent conicity, instability criterion, safety against derailments, track loading,				
Running safety and dynamics	Wheel profile and new and in service limits to be established including rejection criteria 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 documentsto be provided as part of the application.	For CRR use	For CRR use
Loading	Track loading compatibility parameters. E. g. dynamic wheel force, wheel forces exerted by a wheel set on the track to be established.		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 documentsto be provided as part of the application.	For CRR use	For CRR use
Gauge	Documentary evidence to be provided by applicant showing clearances between vehicle and any fixed fabric		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 documentsto be provided as part of the application.	For CRR use	For CRR use
Radius	Applicant to confirm design of radius operation (as supplied by manufacturers) is compatible with the track layout		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 documentsto be provided as part of the application.	For CRR use	For CRR use
and Availability of	functions with impact on the train behavior				
Active control of Running Dynamics	<ul> <li>Applicant to supply evidence of Integrity of components employed for safety- related functions including: <ul> <li>Warning horn</li> <li>Driver's speed indication (generation, distribution, and indication)</li> <li>Braking/ Traction Interlocking</li> </ul> </li> </ul>	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 documentsto be provided as part of the application.	For CRR use	For CRR use
	Joining technologies, associated NDT Coupling End Coupling, Rescue Coupling, Buffer System including electrical connections, pneumatic connections, etc. Running safety and vehicle dynamics Running safety and dynamics Coupling, Buffer System including electrical connections, etc. Running safety and vehicle dynamics Running safety and dynamics Safety Integrity and Availability of Train Control Functions	Joining technologies, associated NDT         Applicant to supply Details on appropriate qualification, design and execution for: • welding, • bonding/gluing, • bonding/gluing, • associated NDT approaches (to prevent defects to decrease the mechanical characteristics of the structure)           Coupling         Applicant to supply Description of any • coupling system Coupling, Intermediate Coupling, Buffer System including electrical         Applicant to supply Description of any • coupling system • mechanical interface push/pull (structural integrity) • electrical interface • pneumatic interface • participation of suspension and coupler heights           Running safety and vehicle dynamics         Rolling stock dynamic behavior including equivalent conicity, instability criterion, safety against derailments, track loading,           Running safety and dynamics         Rolling stock dynamic behavior including equivalent conicity, instability criterion, safety against derailments, track loading,           Loading         Track loading compatibility parameters. E. g. dynamic wheel force, wheel forces exerted by a wheel set on the track to be established.           Gauge         Documentary evidence to be provided by applicant showing clearances between vehicle and any fixed fabric           Radius         Applicant to confirm design of radius operation (as supplied by manufacturers) is compatible with the track layout           Safety Integrity and Availability of runctions         Applicant to supply evidence of Integrity of components employed for safety-related functions including; • Warning horn • Driver's speed indication (generation, distribution, and indication)	structural integrity of Bearing systems (liners. bearings, grease, axle box, speed probes)EN 12081Joining technologies, associated NDTApplicant to supply Details on appropriate qualification, design and execution for: • welding, • bonding/gluing, • other joining methods, • associated NDTEN15085 EN473Coupling term chanical characteristics of the structure)EN15081 EN15081EN15085 EN473Coupling, harmediate coupling, Buffer System including electrical connections, pneumatic connections, etc.EN15020 EN15081EN15020 EN15081Running safety and dynamicsRolling stock dynamic behavior including equivalent concity, instability criterion, safety against derailments, track loading,EN15302 EN15302Running safety and dynamicsRolling stock dynamic behavior including equivalent concity, instability criterion, safety against derailments, track loading,EN15302 EN13715 EN 14363LoadingTrack loading compatibility parameters. E. g. dynamicsEN15302 EN13715 EN 14363LoadingTrack loading compatibility parameters. E. g. dynamic wheel force, wheel forces exerted by a wheel set on the track to be established.GaugeDocumentary evidence to be provided by applicant showing clearances between vehicle and any fixed fabricRadiusApplicant to confirm design of radius operation (as supplied by manufacturers) is compatible with the track layoutGaugeDocumentary evidence to be provided by a phicant to supply evidence of Integrity of compatible with impact on the train behavior Train Contro FunctionsActive control of Runn	structural integrity of Bearing systems (Iners.)         EN 12081 EN 12082         EN 12081 EN 12082         EN 12081 EN 12082         EN 12082 EN 12082         EN 12082 EN 12082           Joining technologies, associated NDT         Applicant to supply Deails on appropriate qualification, design and execution for: • weiding, • bonding/gluing, • tobarding/gluing, • toparticles to decrease the mechanical theraceteristics of the surroution • calculation of supportability • electrical interface • perumatic interface • perumatic interface • calculation of supportion and coupler • calculation of supportion and coupler • calculation • calculation of supportion interface • calculation of supportion interface • calculation of supportion interface • calculation • calculation disupportion interface • calculation • calculation • calculation • calculation • calculation • calculation • calculation • calculation disupportion interface • calculation • calculation disupportion interface • calculation • calculation disupportion interface • calculation • calculation disupportion interface • calculati	structural linegrity of Besing systems (lines, bearings, gresse, sale box, speed probes)         EN 1282         submitted answers and/or document reference (soc NL, document, etc) and holpstordiaus why. All syspetral goournet and eraces and out of the applicable, sale control of the applicable by the applicat. Please next use         CRR           Joining technologies, associated NDT         Applicant to supply Details on appropriate qualification, design and execution for: why all syspetral goournet technologies to be excluded by the application. Please next (to prevent defacts to decrease the mechanical characteristics of the structure)         ENF0508         To be completed by the applicant. Please next (to prevent defacts to decrease the mechanical interface pushpul Istructural integrity)         For excluding         For excluding           Coupling, Rescore optimies         Applicant to supply Description of any estructure)         ENF0502         To be completed by the applicant. Please next (to prevent defacts to decrease the mechanical interface pushpul Istructural integrity)         ENF0502         To be completed by the applicant. Please next (to prevent defacts to decrease the mechanical interface pushpul Istructural integrity)         For excluding           Ruming sately and whice evaluated construction and storage system (if and whice and whice and whice and whice and any faced darking instability parameters. For equivalent contrict, instability origins, instability prevention.         To be completed by the applicant. Please next (to complete dotument reference connections, etc.         For CRR           Ruming sately applicable         Roling stock dynamic lankstok and in storage system in the applicatin.

6.2	Service Brake Functions	Applicant to supply evidence of integrity of Service Brake command (e.g. multiple braking circuits)	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 documentsto be provided as part of the application.	For CRR use	For CRR use
6.3	Safety Integrity of Parking Brake Functions	Applicant to supply evidence of integrity of Parking braking command (i.e. that a vehicle cannot run away under any conditions)	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 documentsto be provided as part of the application.	For CRR use	For CRR use

7.0	Braking	Braking-related items (including wheel-slide protection, braking control and braking performance in service, emergency and				
7.1	Description of braking systems, braking functions	parking modes) Applicant to supply overall functional description of all braking functions, including: • automaticity, • continuity, • 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 documentsto be provided as part of the application.	For CRR use	For CRR use
7.2		Applicant to supply details of emergency braking performance including: • performance in critical weather conditions (e.g. wet) • material performance of pad/ block/ wheel/ disc • Operation in the event of an overspeed condition	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 documentsto be provided as part of the application.	For CRR use	For CRR use
7.3	Service braking performance	<ul> <li>Applicant to supply details of service braking performance including:</li> <li>performance in critical weather conditions (e.g. wet)</li> <li>material performance of pad/ block/ wheel/ disc <ul> <li>Operation in the event of an overspeed condition</li> </ul> </li> </ul>	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 documentsto be provided as part of the application.	For CRR use	For CRR use
7.4		<ul> <li>Applicant to supply details of parking braking performance including:</li> <li>performance in critical weather conditions (e.g. wet)</li> <li>material performance of pad/ block/ wheel/ disc</li> </ul>	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 documentsto be provided as part of the application.	For CRR use	For CRR use
7.5	Brake requirements for rescue purposes	Applicant to supply Brake requirements for rescue purposes during Permitted degraded operations (eg rescuing an unwell or injured passenger whilst on a gradient)	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 documentsto 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	Accessibility	Applicant to evidence how safe access is gained to a vehicle in all conditions (eg on a gradient, on the level, in inclement conditions etc)	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 documentsto be provided as part of the application.	For CRR use	For CRR use
8.2	Egress	Applicant to evidence how safe egress is gained to a vehicle in all conditions (eg on a gradient, on the level, in inclement conditions etc)	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 documentsto be provided as part of the application.	For CRR use	For CRR use
9.0	Passenger facilities					
9.1	Signs and information	Applicant to supply information on 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 documentsto be provided as part of the application.	For CRR use	For CRR use
9.2	Seats and specific PRM arrangements	Applicant to supply details Including information on any: • PRM seats • wheelchair spaces	Equality Act	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 documentsto be provided as part of the application.	For CRR use	For CRR use
10.0	Visual and audible vehicle identification and warning functions					
10.1	Vehicle lights	Applicant to supply details of any vehicle lighting 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 documentsto be provided as part of the application.	For CRR use	For CRR use
10.2	warning horn	Applicant to supply details of 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 documentsto be provided as part of the application.	For CRR use	For CRR use

11.0	Traction System	On-board propulsion, power and control				
11.0	Taction System	systems plus the interface of the vehicle to the power supply infrastructure and all aspects of EMC				
11.1	Traction performance	Applicant to supply information 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 documentsto be provided as part of the application.	For CRR use	For CRR use
12.0	On board systems					
12.1	Hydraulic Systems	Applicant to supply details of Hydraulic/pneumatic supply and control systems. (see braking) Functional and technical specifications,		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 documentsto be provided as part of the application.	For CRR use	For CRR use
12.2	Technical systems in potentially explosive atmospheres (if relevant)	Special requirements for technical systems in potentially explosive atmospheres	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 documentsto be provided as part of the application.	For CRR use	For CRR use
13.0	staff facilities					
13.0	Staff access for	Applicant to supply details of Staff access		To be completed by the applicant. Please insert	For	For CRR use
	coupling /uncoupling	facilities for coupling /uncoupling		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 documentsto be provided as part of the application.	CRR use	
13.2	Staff facility for rotating vehicles	Applicant to supply details of staff facility for rotating vehicles		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 be provided as part of the application.	For CRR use	For CRR use
13.3	Staff facility for lifting vehicles	Applicant to supply details of staff facilities to lift vehicles	LOLER	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 documentsto be provided as part of the application.	For CRR use	For CRR use
14.0	Fire safety and evacuation					
14.1	Fire safety and evacuation concept	Applicant to supply risk assessment for outbreak of fire and firefighting facilities both on track and in the built environment (eg stations)	EN1363 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 documentsto be provided as part of the application.	For CRR use	For CRR use
14.2	Fire safety and evacuation concept	Applicant to supply risk assessment for evacuation of system both on track and in the built environment (eg stations) including situations such as collision with road vehicles.	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 documentsto be provided as part of the application.	For CRR use	For CRR use
15.0	Operation					
15.1	Distance	Applicant to advise how manufacturers stated		To be completed by the applicant. Please insert	For CRR use	For CRR use
	between vehicles	distance between vehicles will be met		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 documentsto be provided as part of the application.		
15.2	Age of operators	Applicant to advise how suitable age of operators to be managed		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 documentsto be provided as part of the application.		For CRR use
15.3	Suitability of operators	Applicant to advise how suitability of operators is to be managed (influence of drink, drugs 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 documentsto be provided as part of the application.	For CRR use	For CRR use
15.4	Operating Manual	Applicant to supply Instructions for operation in normal and degraded modes of the vehicle including: • -training, - permitted train formations/ pre-defined		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 documentsto be provided as part of the application.	For CRR use	For CRR use
		formations		part of the application.		<u> </u>

15.5	on board equipment	Applicant to advise of Specific items to place on-board: • first aid box,	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 documentsto be provided as part of the application.	For CRR use	For CRR use
15.6	Operation under degraded conditions and instructions for rescue/ recovery	Applicant to supply 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 documentsto be provided as part of the application.	For CRR use	For CRR use
16.0	Provisions for Maintenance/ Servicing				
16.1	The maintenance description file	Applicant to supply 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 documentsto be provided as part of the application.	For CRR use	For CRR use
16.2	Stabling of trains	Applicant to supply details for stabling of vehicles	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 documentsto be provided as part of the application.	For CRR use	For CRR use

This list is not exhaustive and the CRR reserve the right to raise other issues as and when required.

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