

**CERTIFICATE OF ENGINEERING ACCEPTANCE**

This certificate formally records that the following vehicle(s) conform to the appropriate requirements as set out in RIS-1530-PLT.

**NAME OF VEHICLE ACCEPTANCE BODY****Interfleet Technology Ltd****ACCREDITATION CODE****IF****Vehicle Class / Type**

Road Rail Vehicle Land Rover 110 Defender - Type 9C

**Vehicle Operator**

Aquarius Railroad Technologies Ltd

**Vehicle Owner**

Aquarius Railroad Technologies Ltd

Authorised by: .....

**Bryan Lowe**

Interfleet Technology Ltd

**Issue Date**

7 January, 2009

**Expiry Date**

7 January, 2016

(Where applicable due to a special limitation)



Technology

OFFICIAL STAMP

**Vehicle Number(s)**

99709\_976028-9

**Special Limitations****A RRV CONFIGURATION**

The RRV is a Land Rover 110 Defender with Aries Rail Gear, registration number M54 THL.

**B RRV ON /OFF TRACKING AND EMERGENCY RECOVERY.**

1. Detailed in the Operations Manual Issue 1, 15/01/07.  
A RAP or temporary crossing must be used, maximum track cant 50mm.
2. Alternatively to B1, a risk assessed procedure may be used that is specific to the possession.
3. In recovery, speed must be limited to 5mph (8km/h).

**C RRV GAUGE**

1. When travelling, RRV is within W6a gauge and exceedance for road wheels as RIS-1530-PLT.
2. Cab doors can be out of gauge when open.

**D RRV LIMITATIONS OF USE**

1. It shall only operate inside a possession.
2. It shall NOT on/off-track if adjacent lines are open to traffic.
3. It shall NOT on/off-track, travel or work on live conductor-rail lines.
4. It maybe used under live OLE (on/off track, travel or work) in conjunction with a safe system of work (Method Statement) determined and authorised in accordance with the requirements of GE/RT8024.
5. Maximum track cant 200mm and/or 1 in 29 gradient.
6. It will not activate train operated points.
7. Permitted speed > Maximum - 20mph (32km/h); Points & Crossings - 5mph (8km/h);  
Reversing - 15mph (24 km/h).

**Customer Copy**

Certificate No: IF/0002/09

8. When operating in reverse, unless the driver has a clear line of sight, reverse movements shall be controlled by an assistant in the rear compartment and/or ground staff.
9. For access/egress, the RRV shall only operate with the opening door to the cab adjacent to a cess or a line closed to all train movements, or the safe system of work takes account of adequate clearance to adjacent lines. Vehicle door access safety chains to be used.
10. The vehicle payload of 800kg shall NOT be exceeded and shall be uniformly distributed permitting up to 2 persons in the cab and 8 persons in the rear (80kg/person). Vehicle tare weight 2280kg.
11. It is not permitted to tow or propel.

**Referenced Certificates**

This Certificate of Engineering Acceptance has been issued in accordance with GM/RT2000 Issue 2, on the basis of the following Certificates of Conformance and previous Certificates of Engineering Acceptance.

**Supporting Certificates****Vehicle Design****Vehicle Construction****Vehicle Maintenance**

IF/MP/0001/09

**Superseded Certificates****Engineering Acceptance**

Reasons for non inclusion of a Certificate of Conformance or a Certificate of Engineering Acceptance:-  
No previous Engineering Acceptance Certificate against RIS-1530-PLT.  
Vehicle Design and Construction Certificates not applicable.

**RGS Catalogue**

The Mandatory Requirements and scope of work against which conformance has been confirmed:  
Railway Group Standard Catalogue number GA/RM6501 Issue 5 October 2008

**Vehicle Data**

Route Availability No:	(Laden)	No Change	(Tare)	No Change
Maximum Speed (mph):	(Laden)	20	(Tare)	20
Applicable Gauge or Portfolio Reference :	W6a and gauge exceedance as permitted in RIS-1530-PLT			
Minimum Curve Radius:	80m			
Applicable Braking Curve(s):	Road/Rail Vehicles RIS-1530-PLT Clause 5.6.2.1			

**Mandatory Data for Inclusion in RSL**

None

**Scope of Work**

Certification of Land Rover RRV. Chassis number SALLDHAF7MA949762.

Assessed for compliance with RIS-1530-PLT, Issue 1. Deviation NR/06/1530/008/NC has been granted against RIS-1530-PLT Issue 1, clause 6.2.4 for road/rail wheel guidance loads.

Expiry date conforms to the requirements of RIS-1530-PLT.

**Additional Information**

Previous certificate: IF/0843/06 - RRV was originally assessed for compliance with GM/RT1300 Issue 2.