



### 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 Issue 2.

**NAME OF VEHICLE ACCEPTANCE BODY**

***Interfleet Technology Ltd***

**ACCREDITATION CODE**

**IF**

**Vehicle Class / Type**


**Road Rail Vehicle Land Rover 130 Defender - Type 9C**

**Vehicle Operator**

**Aquarius Railroad Technologies Ltd**

**Vehicle Owner**

**Aquarius Railroad Technologies Ltd**

Authorised by: 

**Bryan Lowe  
Interfleet Technology Ltd**

**Issue Date**

**16 December, 2011**

**Expiry Date**

**3 June, 2017**

(Where applicable due to a special limitation)



**OFFICIAL STAMP**

**Vehicle Number(s)**

**99709\_976054-5**

**Special Limitations**

- A CONFIGURATION  
The RRV is a Land Rover 130 Defender with Aries Rail Gear, registration number BD59 WOJ.
- B ON /OFF TRACKING AND EMERGENCY RECOVERY.
  - 1. Detailed in the Operations Manual Issue 2 Rev 1, 13/09/2011.
  - 2. For on/off tracking, a site-specific work plan for one of the following conditions shall be used.  
The work plan shall be in compliance with Network Rail Standard NR/L2/RMVP/0200/P007:-
    - > Maximum track cant 100mm and/or gradient 1:29, on an approved RRAP.
  - OR
  - > A risk assessed procedure that is specific to the on and off tracking point.
  - 3. In recovery, speed must be limited to 5mph (8km/h).
- C GAUGE
  - 1. Travelling and working modes: The RRV is within W6a gauge and exception as RIS-1530-PLT.  
The road wheel tyres encroach into the area below the rail level by a maximum of 10mm and into the area above rail level from the running edge of the rail by a maximum of 100mm outwards and 110mm inwards. A site survey shall be undertaken to assess potential damage to infrastructure equipment prior to vehicle use.  
Cab doors can be out of gauge when open and account of this must be taken in the safe system of work.

**Customer Copy**

**Certificate No: IF/0752/11**

**D LIMITATIONS OF USE**

1. It shall only operate inside a possession.
2. 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 locks to be used.
3. It shall NOT on/off-track if adjacent lines are open to traffic.
4. It shall NOT on/off-track, travel or work on live conductor-rail lines.
5. This vehicle may be operated under live OLE (on/off track, travel or work) when used in conjunction with a safe system of work determined and authorised in accordance with the requirements of GE/RT8024.
6. Maximum track cant 200mm and/or gradient 1:29.
7. It will not activate train operated points.
8. Permitted speed > Maximum - 20mph (32km/h); Switches & Crossings - 5mph (8km/h); Raised Check Rails - 1mph (2km/h); Maximum Reversing speed - 15mph (24 km/h).
9. When reversing and the driver does not have an unrestricted view to the rear, the permitted speed shall be reduced with movements controlled by ground staff.
10. The vehicle payload of 1050kg shall NOT be exceeded and uniformly distributed, permitting up to 5 persons (80kg/person) in the cab and/or equipment in the rear. Vehicle tare weight 2450kg.
11. It is not permitted to tow or propel.

**Referenced Certificates**

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

**Engineering Acceptance**

IF/0376/10

**RGS Catalogue**

The Mandatory Requirements and scope of work against which conformance has been confirmed:  
Railway Group Standard Catalogue number GA/RM6501 Issue 3 September 2011

**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 exception as RIS-1530-PLT			
Minimum Curve Radius:	80m			
Applicable Braking Curve(s):	Road/Rail Vehicles RIS-1530-PLT Clause 5.6.2.1			

**Maintenance Plan Documentation**

AQUARIUS RAILROAD TECHNOLOGIES Highway Based Vehicle <3.5 tonne Maintenance Manual Issue 2, Rev 1, 13/09/2011.

**First Of Class**

First of Class vehicle not known.

**Scope of Work**

Certification of new Land Rover Road Rail Vehicle. Chassis number SALLDKHS7AA785155. Originally assessed for compliance with RIS-1530-PLT Issue 2.

- > Up-issue of Operators Manual to Issue 2 Rev 1, 13/09/11.
- > Up-issue of Maintenance Manual to Issue 2 Rev 1, 13/09/11.
- > Expiry date conforms to the requirements of RIS-1530-PLT.