

## 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 130 Defender

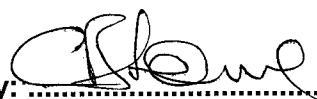
**Vehicle Operator**

Aquarius Railroad Technologies Ltd

**Vehicle Owner**

Aquarius Railroad Technologies Ltd

Authorised by: .....



**Bryan Lowe**

Interfleet Technology Ltd

**Issue Date**

13 May, 2008

**Expiry Date**

31 December, 2012

(Where applicable due to a special limitation)



**OFFICIAL STAMP**

**Vehicle Number(s)**

LS54\_GWD

**Special Limitations**

- A RRV CONFIGURATION  
The RRV is a Land Rover 130 Defender with Aries Rail Gear.
- B RRV ON /OFF TRACKING AND EMERGENCY RECOVERY.
1. Detailed in the maintenance and operations manual.  
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 W6 gauge and exemption for road wheels as GM/RT1300.
  2. Cab doors can be out of gauge when open and account of this must be taken in the Method Statement.
- 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. This vehicle is suitable for use under live OLE (on/off track, travel or work) when used 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 30 gradient.
  6. It will not activate train operated points.
  7. Permitted speed > Maximum - 20mph (32km/h); Points & Crossings - 5mph (8km/h);

**Customer Copy**

Certificate No: IF/0276/08

- Reversing - 15mph (24km/h); Towing or Propelling - 10mph (16km/h).
8. When reversing and the driver does not have an unrestricted view to the rear, the permitted speed shall be reduced with movements controlled from 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 locks to be used.
  10. The vehicle payload of 1050kg shall NOT be exceeded and shall be uniformly distributed permitting up to 5 persons (80kg/person) in the cab and 6 persons (80kg/person), and/or equipment in the rear. Vehicle tare weight 2450kg.
  11. It is permitted to tow or propel a single Permaquip/HTT Type B trolley. It shall be coupled to the front of the Land Rover and mechanical/electrical breakaway connectors shall be proved functional before movement commences.  
Maximum towed/propelled weight 1 tonne.

## 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/0355/06

### Superseded Certificates

#### Engineering Acceptance

IF/0849/06

Reasons for non inclusion of a Certificate of Conformance or a Certificate of Engineering Acceptance:-  
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 2 April 2008

## Vehicle Data

Route Availability No:	(Laden)	No Change	(Tare)	No Change
Maximum Speed (mph):	(Laden)	20	(Tare)	20
Applicable Gauge or Portfolio Reference :	W6 as GM/RT1300			
Minimum Curve Radius:	80m			
Applicable Braking Curve(s):	Road/Rail Vehicles GM/RT1300 Issue 4 Clause D12.2			

## Mandatory Data for Inclusion in RSL

None

## Scope of Work

Certification of Land Rover RRV. Serial No. SALLDKH575A690788.

Originally assessed for compliance with GM/RT1300 Issue 4.

Amendment of reversing - see D7 and D8. Addition of vehicle operating weights - see D10.

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