

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 - Type 9C

Vehicle Operator

Aquarius Railroad Technologies Ltd

Vehicle Owner

Aquarius Railroad Technologies Ltd

Authorised by: *David Wass*

David Wass

Interfleet Technology Ltd

Issue Date

8 September, 2008

Expiry Date

5 September, 2015

(Where applicable due to a special limitation)



OFFICIAL STAMP

Vehicle Number(s)

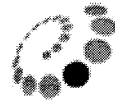
99709-976022-2

Special Limitations

- A RRV CONFIGURATION
The RRV is a Land Rover 130 Defender with Aries Rail Gear, Chassis number SALLDKAS77A746017 and registration number VX57 LRU.
Land Rover is fitted with service brake working pressure 0 - 5.5 bar.
Permitted number of personnel in cab: 5 including the driver.
Not permitted to carry personnel in the rear payload compartment.
Maximum vehicle payload of 1050kg shall NOT be exceeded and shall be uniformly distributed permitting up to 5 persons in the cab (80kg/person) and/or equipment in the rear.
Vehicle tare weight 2450kg.

- 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 exemption for road wheels as RIS-1530-PLT.
 - 2. Cab doors can be out of gauge when open and account of this must be taken in the safe system of work.



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 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 may not activate train operated points.
7. Permitted speed Maximum - 20mph (32km/h); Points & Crossings - 5mph (8km/h); Reversing speed - 3mph (5 km/h) See D8; Towing - 10mph (16 km/h)
8. Reversing speed of 10mph (16 km/h) is permitted only when driver has an unrestricted view to the rear of the vehicle. Where this is not possible, the permitted reversing speed is reduced to 3mph and the movements controlled by 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 to be adopted takes account of adequate safe clearance to adjacent lines. Vehicle door locks and safety chains to be used.
10. It is permitted to tow or propel a single Aquarius Ultra Light 1 tonne (GLW) trailer.

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/0254/08

Superseded Certificates

Engineering Acceptance

Reasons for non inclusion of a Certificate of Conformance or a Certificate of Engineering Acceptance:-
No previous Engineering Acceptance Certificate since this is a new vehicle.
Design and Construction Certificates are 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 4 August 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 new Land Rover RRV.
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.

**CERTIFICATE OF CONFORMANCE FOR
VEHICLE MAINTENANCE**

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

NAME OF CERTIFICATION BODY

Interfleet Technology Ltd


ACCREDITATION CODE

IF

Vehicle Type / Class Road Rail Vehicle Land Rover 130 Defender - Type 9C

Vehicle Operator Aquarius Railroad Technologies Ltd

Vehicle Owner Aquarius Railroad Technologies Ltd

Authorised by: 
Greg Lilleker

Interfleet Technology Ltd

Issue Date 5 September, 2008

Expiry Date 5 September, 2015
(Where applicable due to a special limitation)



Technology

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Vehicle Number(s)

99709-976022-2

Special Limitations

None.

Maintenance Plan Documentation

<u>Plan Name / Description</u>	<u>Issue</u>	<u>Issue Date</u>
Land Rover Maintenance Plan	4	20/03/2008

RGS Catalogue

The Mandatory Requirements and scope of work against which conformance has been confirmed:
Railway Group Standard Catalogue number GARM6501 Issue 4 August 2008

Vehicle Data

Applicable Gauge or Portfolio Reference: W6a and gauge exceedance as permitted in RIS-1530-PLT

Scope of Work

Certification of new Land Rover RRV.

Customer Copy

Certificate No: IF/MP/0254/08

Interfleet

Technology



Rail Safety & Standards Board

This Certificate of Conformance for Vehicle Maintenance has been issued on the basis of confirmation of conformance with the Mandatory Requirements.

Assessed for compliance to RIS-1530-PLT, Issue 1.