



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 Ford Ranger - Type 9C

Vehicle Operator

Aquarius Railroad Technologies Ltd

Vehicle Owner

Aquarius Railroad Technologies Ltd

Authorised by:

Bryan Lowe

Interfleet Technology Ltd

Issue Date

30 April, 2010

Expiry Date

30 April, 2017

(Where applicable due to a special limitation)

Technology

OFFICIAL STAMP

Vehicle Number(s)

99709_976055-2

Special Limitations

A CONFIGURATION

The RRV is a Ford Ranger with Aries Rail Gear, registration number YF59 YHK.

B ON /OFF TRACKING AND EMERGENCY RECOVERY.

1. Detailed in the Operations Manual Issue 1, 06/08/2009.
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 Specification NR/L2/RVE/0007:-
 - > 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 for road wheels as RIS-1530-PLT. Cab doors can be out of gauge when open and account of this must be taken in the safe system of work.

D 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 may be operated under live OLE (on/off track, travel or work) when used in conjunction with

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Certificate No: IF/0333/10

- a safe system of work determined and authorised in accordance with the requirements of GE/RT8024.
5. Maximum track cant 200mm and/or gradient 1:29.
 6. It will not activate train operated points.
 7. Permitted speed > Maximum - 20mph (32km/h); Switches & Crossings - 5mph (8km/h);
Raised Check Rails - 1mph (2km/h); Reversing speed - 15mph (24 km/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 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 takes account of adequate clearance to adjacent lines. Vehicle door locks to be used.
 10. The vehicle payload of 745kg shall NOT be exceeded and uniformly distributed, permitting up to 5 persons (80kg/person) in the cab and equipment in the rear. Vehicle tare weight 2240kg.
 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

Reasons for non inclusion of a previous Certificate of Engineering Acceptance:-
No previous Engineering Acceptance Certificate.

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 2010

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

Ford Ranger Maintenance Plan AQ/MP/Ranger001 Issue 1 28/07/2009

First Of Class

99709 976052-9: Assessed under RIS-1530-PLT, Issue 1; Engineering Acceptance Certificate IF/0719/09

Scope of Work

Certification of new Ford Ranger Road Rail Vehicle. Chassis number WFOLMFE109W833760.
Assessed for compliance with RIS-1530-PLT, Issue 2.
Expiry date conforms to the requirements of RIS-1530-PLT.