



On-Track Plant Engineering Conformance Certificate

This certificate is issued in accordance with RIS-1530-PLT Issue 6

NAME OF VEHICLE ACCEPTANCE BODY

ACCREDITATION CODE

SNC-Lavalin Rail & Transit Verification Limited

21

Vehicle Class / Description

071/Aquarius/R2R Flat Bed/0C

Vehicle Owner

Aquarius Railroad Technologies Ltd

Issue Date

21 March, 2017

Expiry Date

3 June, 2023

Vehicle Number(s)

99709_071007-7

First Of Class

99709 071007-7 on Engineering Acceptance Certificate IF/0369/16 against RIS-1530-PLT, Issue 5.

Authorised by:

Bryan Lowe

SNC-Lavalin Rail & Transit Verification Limited



OFFICIAL STAMP



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Reason for issue and Scope of Work

Certification of Aquarius Road to Rail (R2R) Flat-Bed Trailer

Serial No.	Fleet No.
SA93500LB14198281	R2RT1

Originally assessed for compliance with RIS-1530-PLT Issue 5.

On this certificate: Addition of Supplementary Information item 5 (Fitment of Aquarius Welfare Module) and Operators and Maintenance references to reflect latest Issue.

Expiry date conforms the requirements of RIS-1530-PLT Issue 5.

Deviations associated with this certificate

None

Customer Copy

Certificate Number: 21/0285/17



On-Track Plant

Previous Certificate Number

IF/0369/17.

Maintenance Plan Details

Aquarius R2R Flat-Bed Trailer Operations Handbook; Issue 1; Revision B; 26/10/2016.

Aquarius R2R Flat-Bed Trailer Maintenance Manual; Issue 1; Revision A; 20/10/2016.

Limitations of Use

1. Trailer shall only operate inside possessions.
2. In travelling and working modes, the trailer is within W6a gauge, as defined by RIS-1530-PLT.
3. Trailer may on/off track, travel and work under live OLE in conjunction with a safe system of work as determined and authorised by taking guidance from the requirements of GE/RT8024.
4. Trailer shall not on/off track or work on live conductor rails.
5. Trailer may not activate train operated points.
6. Trailer shall not travel or work on track with:
 - Cants greater than 200mm; - Gradients greater than 1:25; and/or curves less than 80m.
7. For on/off tracking, a site specific plan shall be used taking into account of the applicable module of Network Rail Infrastructure Plant Manual NR/PLANT/0200.
8. In travelling and working mode the trailer shall be subject to the limitations of the towing vehicle.
9. Trailer shall only be coupled to an RRV approved for towing this type of trailer.
10. Trailer payload of 3,000kg shall not be exceeded.

Supplementary Information

1. Aquarius 2-wheel R2R Flat-Bed Trailer to work with compatible RRV.
2. Serial No- SA93500LB14198281 Fleet No-R2RT1
3. Fitted with air spring -operated emergency/park brakes and air operated service brakes.
4. A CCTV camera is fitted to the rear of the trailer.
5. Trailer may be fitted with Aquarius Welfare Module (personnel carrier). The module shall only be fitted and used in accordance with the operations manual and the Method Statement for the possession.
The emergency stop control from the personnel carrying module to the towing vehicle shall be verified as correct and operational before each use.
6. Air parking brake release pressure 5.2 - 10 bar; service brake pressure 0 - 10 bar.
7. Gross trailer weight: 4,100kg.
8. Trailer payload: 3,000kg.
9. Tare weight: 1,100kg.
10. Maximum speeds (travel and working) shall not be exceeded:
 - 10mph plain line;
 - 5mph switches and crossings;
 - 1mph raised check/guard rails.

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