



# 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**

**29 March, 2018**

**Expiry Date**

**29 March, 2025**

**Vehicle Number(s)**

99709\_071011-9

**First Of Class**

99709 071008-5 on Engineering Conformance Certificate 21/1579/16 against RIS-1530-PLT, Issue 6.

**Authorised by:**

**Adrian Staples**

***SNC-Lavalin Rail & Transit Verification Limited***



**OFFICIAL STAMP**



**SNC · LAVALIN**

**Reason for issue and Scope of Work**

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

Serial No.

SA93500LB17198113.

Aquarius No.

R2RT5.

Assessed for compliance with RIS-1530-PLT Issue 6.

Expiry date conforms the requirements of RIS-1530-PLT Issue 6.

**Deviations associated with this certificate**

None

**Previous Certificate Number**

No previous Engineering Conformance Certificate.

**Customer Copy**

**Certificate Number: 21/0171/18**



# On-Track Plant

## Maintenance Plan Details

Aquarius R2R Flat-Bed Trailer Operations Handbook; Issue 1; Revision D; 26/07/2017.

Aquarius R2R Flat-Bed Trailer Maintenance Manual; Issue 1; Revision C, 05/09/17.

## Limitations of Use

1. Trailer shall only operate inside possessions.
2. In travelling and working modes, the trailer is within Plant gauge, as defined by RIS-1530-PLT.  
Note - Prior to use, a site survey may be required to assess the potential for damage to the infrastructure equipment and identify restrictions which take into account guardrails, checkrails and the road tyres.
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/L2/RMVP/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: SA93500LB17198113. Aquarius No: R2RT5.
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.

Customer Copy

Certificate Number: 21/0171/18