



## ON-TRACK PLANT

### ENGINEERING CONFORMANCE CERTIFICATE

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

<b>NAME OF CERTIFICATION BODY</b>	<b>ACCREDITATION CODE</b>
<b>AEGIS Certification Services Ltd</b>	<b>AC</b>

<b>Machine Class/Description</b>	Zagro/Mercedes Unimog U1650
<b>Machine Owner</b>	Keltbray Rail Plant
<b>Issue Date</b>	11 <sup>th</sup> December 2020
<b>Expiry Date</b>	21 <sup>st</sup> October 2027

**Machine Number:**        **99709 979085-6**

<b>First of Class</b>	Yes
<b>Certificate Number of First of Class</b>	AC/0427/20

**Authorised by:**



B A Clarke  
AEGIS PAB Signatory

**Official Stamp**



#### Reason for Issue and Scope of Work

Previous Certificate:

Change of owner from Keltbray/Aspire Rail to Keltbray Electrification Plant.

This certificate:

Upgrade to RIS-1530-PLT issue 6.

Assessment of up-issued maintenance plan.

Change of Owner from Keltbray Electrification Plant to Keltbray Rail Plant.

**Deviations Associated with this Certificate**

**Tracker Number**           None  
**Description**               None

**Previous Certificate Number:** NS/5284/14

**Approved User Documentation**

<b>ID No.</b>	<b>Title</b>	<b>Issue No.</b>	<b>Date</b>
FPS113	Unimog 1650 Operation and Maintenance Handbook	3	16/06/20

**Machine Data**

<b>Gross Mass</b>	11 300 kg	<b>Tare mass</b>	7 500 kg
<b>Gauge</b>	W6a	<b>Software version</b>	V11
<b>Air service brake pressure</b>	8 bar	<b>Air park brake pressure</b>	8 bar

**Approved Values**

<b>Maximum number of people</b>	2	<b>Payload</b>	3 800 kg
<b>Maximum towed load</b>	20 000 kg	<b>Maximum number of trailers</b>	1
<b>Maximum non-service braked towed load</b>	0 (zero) kg		

**Approved Track Conditions**

	<b>Travelling Mode</b>	<b>Working Mode</b>	<b>On/off-tracking</b>
<b>Maximum gradient</b>	1:25	1:25	1:25
<b>Maximum cant</b>	200 mm	150 mm	100 mm
<b>Minimum curve radius</b>	80 m	80 m	

**Use in Electrified Areas**

		<b>Travelling Mode</b>	<b>Working Mode</b>	<b>On/off-tracking</b>
<b>Overhead Line Equipment</b>	<b>Live</b>	Yes	No	Yes
	<b>Isolated</b>	Yes	Yes	Yes
<b>3<sup>rd</sup> / 4<sup>th</sup> Rail</b>	<b>Live</b>	No	No	No
	<b>Isolated</b>	Yes	Yes	Yes

**Approved Maximum Speeds**

	<b>Travelling Mode</b>	<b>Working Mode</b>
<b>Plain Line</b>	20 mph	3 mph
<b>Switches and Crossings</b>	5 mph	3 mph
<b>Raised check and guard rails</b>	5 mph	3 mph
<b>Reverse</b>	5 mph	3 mph
<b>Towing</b>	10 mph	3 mph

**Limitations of Use**

1. The machine is not permitted outside of a possession.
2. Exceeds plant gauge.
3. Rubber tyres exceed the stated machine gauge by 200 mm from running edge of rail towards the cess/6ft and 10 mm below rail head level.
4. Rubber tyres encroach into the area reserved for infrastructure equipment. The machine has the potential to strike some platforms and underbridge girders. A site survey shall be undertaken to assess potential damage to infrastructure equipment prior to use.
5. The load exerted by rubber tyres on items of infrastructure equipment is 1500 kg.
6. The machines tyres exceed below rail head level by 10 mm. A site survey shall be undertaken to assess potential damage to infrastructure equipment prior to use.
7. The machine may only operate with the access adjacent to a cess or a line closed to all train movements or the documented safe system of work must take account of adequate safe clearances to adjacent lines.
8. Not to be used ALO on LU.
9. The machine shall not be used on track conditions in excess of those given in the Approved Track Conditions section of this ECC.
10. The machine cannot be relied upon to activate train operated points.
11. The maximum number of people to be transported on the machine shall not exceed the value given in the Machine Data section of this ECC.
12. The maximum payload shown in the Machine Data section of this ECC shall not be exceeded.
13. The maximum number of towed / propelled trailers shall not exceed the value given in the Machine Data section of this ECC.
14. The maximum towed / propelled load shall not exceed the value given in the Machine Data section of this ECC.
15. Operators shall not be positioned between machines during coupling or uncoupling.
16. The machine shall not exceed any speeds given in the Approved Maximum Speeds section of this ECC.
17. Ground staff shall control reverse movements.

18. The machine is suitable for On/off-tracking, traveling and working under live OLE when used in conjunction with a safe system of work.
19. The machine shall not work under live OLE.
20. The machine shall not be on and off tracked under live OLE at a contact wire height of less than 4240 mm.
21. The machine shall not travel on live conductor rail lines.
22. The machine shall not work on live conductor rail lines.
23. The machine shall not be used predominantly in enclosed locations.

**Supplementary Information**

1. The machine's re-approval for seven years was assessed against RIS-1530-PLT issue 6.
2. The machine is approved for use with the following Demountable Modules:
  - CBS Winch C-1070-02
  - CBS Winch C-1395
  - CBS Tensioner C/1004/003
  - CBS Tensioner C-1385
  - ME Mechanical Handling Drum Carrier

Chassis Number	WDB 427 115 2W 195406
Road Registration	SN51 OFO

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**Authorised by:**

B A Clarke  
AEGIS PAB Signatory

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