

## DEPARTMENT OF PUBLIC WORKS

NO. 1493

29 DECEMBER 2017

AGRÉMENT SOUTH AFRICA  
(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 28 September 2016, issued an Agrément certificate, details of which appear in the schedule hereto.

**SCHEDULE**  
Agrément Certificate 2016/518

- Subject:** Permanent Axle Traffic Monitoring System Type A1 with PICOTEL8-SDT
- Certificate holder/  
System supplier:** Mikros Systems (Pty) Ltd t/a Syntell Group Company
- Description:** Permanent Axle Traffic Monitoring System Type A1 with PICOTEL8-SDT consist of a RAKTEL X010/20 frame, MICROSAC CPU card, RAKMAN Power Manager Card, PICOTEL8-SDT S/D tyre interface card and PICOTEL8 OFFSCALE card. The sensors are loop and piezo sensors installed with approved sealant.
- Permanent Axle Traffic Monitoring System Type A1 with PICOTEL8-SDT is a combination of dual loop and piezo sensors. The PICOTEL8-SDT S/D tyre card is a fully digitally adjustable and allow for diagnostic (graphical) sensor display when using the TelWin program.
- Dual intrusive loops are permanent embedded loops into concrete or asphalt pavement covered with Colseal or similar approved sealant. Loops are 3 000 mm x 1 000 mm x 50 mm (nominal dimensions) with one or more turns of cross-linked polyvinylchloride (PVC) wires and are installed over the full width of a roadway on new and existing roads. The axle, S/D tyre and off-scale sensors are piezo sensors and are installed in the prescribed manner. The off-scale sensors are installed in the same manner as the piezo sensor and are shorter than the piezo sensors and are typically 20 mm. Site requirements are as specified in Chapter 10 of the **TMH3**.
- The system was assessed for use on roads and is classified as Type A1 traffic monitoring system, which means that the system is valid for:
- highest level of detection and vehicle classification (categorization)
  - speeds, number of axles, axle spacing and tyre configuration (single or dual (S/D)).

The Agrément certificate contains detailed information on the product and can be accessed at <http://www.agrement.co.za>

Copies are obtainable from: Chief Executive Officer (CEO)  
Agrément South Africa, P O Box 395, **PRETORIA**, 0001