

## Circular Memorandum No. 1 / 2010

TOPIC: **EDM Calibration Service**

DATE: 16 June 2010

This circular is to remind registered land surveyors of their responsibility for legal traceability of measurements made using EDM and GPS equipment for cadastral purposes, and to advise the fees associated with the EDM comparison facility provided by the Office of the Surveyor General (OSG).

Section 2.1.3.3 of the *Survey Directions* pursuant to the *Surveyors Act 2002* states:

To enable the maintenance of standards of survey accuracy required by these Directions, a surveyor must ensure that all equipment used in carrying out a survey is kept in good order and adjustment and that it is regularly calibrated and standardised by comparison with a National Reference Standard of Length verified under the *National Measurement Act 1960*.

Note:

(1) Recognising the difficulty of standardising GPS equipment, it is acceptable to 'standardise' this equipment by comparison with distances measured with an EDM that has itself been standardised in accordance with sub-section 2.1.3.3, and to maintain calibration by comparison, on a regular basis, with those distances, or with distances calculated between 2nd order or better permanent marks.

(2) It is recommended that surveyors maintain appropriate records of calibrations and standardisations made on their survey equipment.

The OSG provides an EDM comparison facility as a service to the surveying profession for the comparison of working EDM equipment with standardised instruments maintained within the Office solely for that purpose.

Details of the comparison methodology are explained on the [OSG website](#). The website includes advice that the first Wednesday of every month is the nominated day for surveyors to present their EDMs for testing. Tests can be carried out at other times by special arrangement.

Please note that from 1 July 2010 all EDM comparisons will attract a fee of \$100.00 per instrument, or \$75.00 per instrument if done in multiples. The test EDM must be capable of being mounted on a standard "Wild" type tribrach, and it must be submitted together with:

- a prism that can be uniquely identified (serial number or some other permanent identifier);
- a fully charged battery; and
- an operator's manual.

To book a test for your equipment, please contact Steven Flude, telephone 6233 2822, email [steven.flude@dpipwe.tas.gov.au](mailto:steven.flude@dpipwe.tas.gov.au).



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