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GOVERNMENT NOTICE

DEPARTMENT OF LAND AFFAIRS

No. R. 1643

26 October 1995

AMENDMENT OF REGULATIONS IN TERMS OF
THE LAND SURVEY ACT, 1927 (ACT No. 9 OF 1927)

The Survey Regulations Board has, in terms of sections 6 and 7 of the Land Survey Act, 1927 (Act No. 9 of 1927), and with the approval of the Deputy Minister of Land Affairs made the regulations set out in the Schedule.

[] denotes deletions
— denotes additions

SCHEDULE

1. In this Schedule "the Regulations" means the Regulations promulgated by Government Notice No. R. 1814 of 2 November 1962, as amended by Government Notices Nos. R. 1395 of 11 September 1964, R. 533 of 21 April 1967, R. 1033 of 20 June 1969, R. 1126 of 4 July 1969, R. 2008 of 20 November 1970, R. 959 of 9 June 1972, R. 1804 of 13 October 1972, R. 2320 of 13 December 1974, R. 844 of 20 May 1977, R. 1817 of 24 August 1979, R. 1107 of 30 May 1980, R. 1445 of 10 July 1981, R. 2562 of 27 November 1981, R. 178 of 28 January 1983, R. 291 of 24 February 1984, R. 1020 of 10 May 1985, R. 657 of 11 April 1986, R. 1577 of 17 July 1987, R. 1578 of 17 July 1987, R. 2018 of 18 September 1987, R. 829 of 28 April 1989, R. 2022 of 31 August 1990, R. 848 of 19 April 1991, R. 2430 of 4 October 1991, R. 664 of 28 February 1992, R. 1696 of 26 June 1992, R. 1354 of 30 July 1993, R. 765 of 18 April 1994, R. 997 of 27 May 1994 and R. 649 of 28 April 1995.

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GOEWERMENSKENNISGEWING

DEPARTEMENT VAN GRONDSAKE

No. R. 1643

26 Oktober 1995

WYSIGING VAN REGULASIES INGEVOLGE DIE
OPMETINGSWET, 1927 (WET No. 9 VAN 1927)

Die Opmetingsregulasieraad het kragtens artikels 6 en 7 van die Opmetingswet, 1927 (Wet No. 9 van 1927), en met die goedkeuring van die Adjunkminister van Grondsake, die regulasies in die Bylae uitgevaardig.

[] dui weglatings aan
— dui byvoegings aan

BYLAE

1. In hierdie Bylae beteken "die Regulasies" die Regulasies afgekondig by Goewermenskennisgewing No. R. 1814 van 2 November 1962, soos gewysig by Goewermenskennisgewing Nos. R. 1395 van 11 September 1964, R. 533 van 21 April 1967, R. 1033 van 20 Junie 1969, R. 1126 van 4 Julie 1969, R. 2008 van 20 November 1970, R. 959 van 9 Junie 1972, R. 1804 van 13 Oktober 1972, R. 2320 van 13 Desember 1974, R. 844 van 20 Mei 1977, R. 1817 van 24 Augustus 1979, R. 1107 van 30 Mei 1980, R. 1445 van 10 Julie 1981, R. 2562 van 27 November 1981, R. 178 van 28 Januarie 1983, R. 291 van 24 Februarie 1984, R. 1020 van 10 Mei 1985, R. 657 van 11 April 1986, R. 1577 van 17 Julie 1987, R. 1578 van 17 Julie 1987, R. 2018 van 18 September 1987, R. 829 van 28 April 1989, R. 2022 van 31 Augustus 1990, R. 848 van 19 April 1991, R. 2430 van 4 Oktober 1991, R. 664 van 28 Februarie 1992, R. 1696 van 26 Junie 1992, R. 1354 van 30 Julie 1993, R. 765 van 18 April 1994, R. 997 van 27 Mei 1994 en R. 649 van 28 April 1995.

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2. Regulation 8 of the Regulations is hereby amended by—

- (a) the insertion of the following paragraph in subregulation (3):

“(d) In a GPS survey, its position shall be determined from at least two known points.”;

- (b) the deletion of subregulation (9).

3. Regulation 10 of the Regulations is hereby amended by the substitution for subregulation (4) of the following subregulation:

- “(4) When a visible physical feature of a permanent nature is surveyed for the purpose of registering a servitude or lease area which is not situated on ground level, the difference in height between the feature and two [reference marks] permanent survey stations in the vicinity shall be determined.”.

4. Regulation 11 of the Regulations is hereby amended by—

- (a) the substitution for paragraph (a) of subregulation (1) of the following paragraph:

“(a) When the position of a point is determined by polars, traverse, triangulation, trilateration GPS or a combination of these methods, the displacement between any observed ray, measured distance or GPS vector and the equivalent quantity derived from the final co-ordinates of the point fixed shall be [of the order]—

for Class A—A metres;

for Class B—1,5A metres;

for Class C—3A metres;

[and shall not exceed two times this quantity] where A is equal to—

$$\left[0,012 + \frac{0,082S}{3S+1000} + \frac{0,15S}{100\,000} \right]$$

$$0,04 + \frac{S}{30\,000}$$

and S is the distance in metres between the known and the unknown point: Provided that in the case of a GPS vector the comparison is made between the vector derived from the final co-ordinates and the measured vector after the datum transformation has been applied: Provided further that in the case of a traverse the comparison is made to the misclosure of the traverse, where S is the total length of the traverse in metres.”;

- (b) the deletion of paragraph (b) of subregulation (1);

2. Regulasie 8 van die Regulasies word hierby gewysig deur—

- (a) die byvoeging van die volgende paragraaf in subregulasie (3):

“(d) Tydens 'n GPS opmeting moet die posisie bepaal word vanaf ten minste twee bekende punte.”;

- (b) die skapping van subregulasie (9).

3. Regulasie 10 van die Regulasies word hierby gewysig deur die vervanging vir subregulasie (4) deur die volgende subregulasie:

- “(4) By die opmeting van 'n sigbare gesteldheid van blywende aard vir doeleindes van die registrasie van 'n serwitut of huurgebied wat nie op grondvlak geleë is nie, moet die verskil in hoogte tussen die gesteldheid en twee [versekeringsmerke] vaste meetpunte in die nabyheid vasgestel word.”.

4. Regulasie 11 van die Regulasies word hierby gewysig deur—

- (a) die vervanging van paragraaf (a) van subregulasie (1) deur die volgende paragraaf:

“(a) Wanneer die posisie van 'n punt deur polare, trekmeting, triangulasie, symetring, GPS of 'n kombinasie van hierdie metodes vasgestel word, moet die verplasing tussen enige waargenome rigting, GPS vektor of gemete afstand en die ooreenstemmende hoeveelheid verkry van die finale koördinaatwaardes van die punt wat vasgestel word, [ter grootte wees van]—

A meter vir Klas A;

1,5A meter vir Klas B;

3A meter vir Klas C;

wees [en mag dit nie twee keer hierdie hoeveelheid te bowe gaan nie] waar A gelyk staan aan—

$$\left[0,012 + \frac{0,082S}{3S+1000} + \frac{0,15S}{100\,000} \right]$$

$$0,04 + \frac{S}{30\,000}$$

en S die afstand in meter tussen die bekende en die onbekende punt is: Met dien verstande dat in die geval van 'n GPS vektor die vergelyking tussen die vektor afgelei van die finale koördinate en die gemete vektor gemaak word nadat die datum transformasie toegepas is: Met dien verstande verder dat, in die geval van 'n trekmeting, die vergelyking met die sluitingsfout van die trekmeting gemaak moet word, waar S die totale trekmetingsafstand in meter voorstel.”;

- (b) die skapping van paragraaf (b) van subregulasie (1);

- (c) the substitution for subregulation (2) of the following subregulation:

“(2) The error in a **traverse** survey made for the purpose of determining the position of a curvilinear boundary shall not exceed **one percent of the length of the traverse** the limits set for Class C.”;

- (d) the deletion of subregulation (3).

5. Regulation 15 of the Regulations is hereby amended by—

- (a) the substitution for paragraph (b) of subregulation (1) of the following paragraph:

“(b) The position of a railway curve defining an existing boundary may be determined by any survey methods; provided that such determination conforms with the standards of accuracy prescribed in **subregulation (2)** paragraph (a) of subregulation (1) of regulation 11; provided further that, unless the elements of the curve are accurately determined, or the curve is determined by photogrammetric methods, points surveyed on such curve shall not be more than 30 metres apart.”;

- (b) the deletion of subregulation (7).

6. Regulation 24 of the Regulations is hereby amended by the substitution for subregulation (3) of the following subregulation:

“(3) **Only good quality black drawing ink or a type-writer with a black ribbon shall be used in the preparation of a diagram** A diagram shall be prepared in good quality black drawing ink or black print which is acceptable to the Surveyor-General. The signature shall be in black or blue-black ink of good quality.”.

7. Regulation 34 of the Regulations is hereby amended by the substitution for subparagraph (vi) of paragraph (a) of subregulation (1) of the following subparagraph:

“(vi) The ends of the straights when the elements of the curve have not been accurately determined and where these straights form part of the boundary of the land being surveyed.”.

8. Regulation 52 of the Regulations is hereby amended by the substitution of item (v) by the following item:

“(v) After a period of **three** five years from the date of approval of the diagram or general plan.”.

- (c) die vervanging van subregulasie (2) deur die volgende subregulasie:

“(2) Die fout in 'n **trekmeting** opmeting wat **ingevoer** uitgevoer is ten einde die posisie van 'n kromlynige grens vas te stel, mag nie **een** persent van die lengte van die trekmeting die perke vir Klas C voorgeskrif te bowe gaan nie.”;

- (d) die skapping van subregulasie (3).

5. Regulasie 15 van die Regulasies word hierby gewysig deur—

- (a) die vervanging van paragraaf (b) van subregulasie (1) deur die volgende paragraaf:

“(b) Die posisie van 'n spoorwegboog wat 'n bestaande grens aandui mag deur middel van enige opmetingsmetode vasgestel word; met dien verstande dat die vasstelling van so 'n boog in ooreenstemming is met die maatstaf van akkuraatheid soos voorgeskryf in **subregulasie (2)** paragraaf (a) van subregulasie (1) van regulasie 11; met dien verstande verder, dat tensy die boogelemente akkuraat vasgestel is of deur fotogrammetriese metodes vasgestel is, die punte wat op die boog vasgestel word nie meer as 30 meter van mekaar is nie.”;

- (b) die skapping van subregulasie (7).

6. Regulasie 24 van die Regulasies word hierby gewysig deur die vervanging van subregulasie (3) deur die volgende subregulasie:

“(3) **Slegs swart tekenink van goeie gehalte of 'n tikmasjien met 'n swart tiklint, moet by die vervaardiging van 'n kaart gebruik word.** 'n Kaart moet met of swart tekenink van goeie gehalte of swart druk wat aanvaarbaar vir die Landmeter-Generaal is, vervaardig word. Die handtekening moet met swart of blouswart ink van goeie gehalte aangebring word.”.

7. Regulasie 34 van die Regulasies word hierby gewysig deur die vervanging van subparagraph (vi) van paragraaf (a) van subregulasie (1) deur die volgende subparagraph:

“(vi) Die eindpunte van die reguit lyne indien die boogelemente nie noukeurig vasgestel is nie, waar sulke reguit lyne deel van die grens van die grond wat opgemeet word vorm.”.

8. Regulasie 52 van die Regulasies word hierby gewysig deur die vervanging van item (v) deur die volgende item:

“(v) Na 'n tydperk van **drie** vyf jaar vanaf die datum van goedkeuring van die kaart of algemene plan.”.

9. The Regulations are hereby amended by the substitution for regulation 58C of the following regulation:

"58C. When the Surveyor-General, at the request of the land surveyor who signed a general plan, has under section 38 of the Act provisionally approved such general plan, the responsible land surveyor shall within ~~three~~ five months after the date of such approval submit the final general plan to the Surveyor-General for approval: Provided that the Surveyor-General may extend the period of ~~three~~ five months with a period of ~~two~~ four months in circumstances where the land surveyor prior to the expiry of the period of ~~three~~ five months furnished him with reasons why it is not possible to submit the final general plan within the said period of ~~three~~ five months."

10. Regulation 59 of the Regulations is hereby amended by the substitution for paragraph (e) of sub-regulation (1) of the following paragraph:

"(e) A comparison sketch, substantially in the form of the example given in Annexure B, on which the following are recorded:

- (i) The data derived from the survey;
- (ii) the data obtained or deduced from the original and adjoining diagrams, in brackets; and
- (iii) the ~~date~~ data finally adopted for the survey, underlined:

Provided that when the original and new survey are based on the same system of co-ordinates, a comparison of the original, surveyed and adopted co-ordinates shall also be furnished: Provided further that, when the comparison is not done substantially in accordance with the example in Annexure B, the prior approval of the Surveyor-General shall be obtained".

9. Die Regulasies word hierby gewysig deur die vervanging van regulasie 58C deur die volgende regulasie:

"58C. Wanneer die Landmeter-generaal, op versoek van die landmeter wat 'n algemene plan onderteken het, die algemene plan kragtens artikel 38 van die Wet voorlopig goedgekeur het, moet die verantwoordelike landmeter binne ~~drie~~ vyf maande na die datum van sodanige goedkeuring, die finale algemene plan by die Landmeter-generaal vir goedkeuring indien: Met dien verstande dat die Landmeter-generaal die tydperk van ~~drie~~ vyf maande met 'n tydperk van ~~twee~~ vier maande verleng in omstandighede waar hy voor verstryking van die tydperk van ~~drie~~ vyf maande deur die landmeter van redes voorsien is waarom dit nie moontlik is om die finale algemene plan binne die tydperk van ~~drie~~ vyf maande in te dien nie."

10. Regulasie 59 van die Regulasies word hierby gewysig deur die vervanging van paragraaf (e) van subregulasie (1) deur die volgende paragraaf:

"(e) 'n Vergelykingsplan, wesenlik in die vorm van die voorbeeld wat in Aanhangsel B voorkom, met die volgende daarop aangedui:

- (i) Die gegewens wat uit die opmeting verkry is;
- (ii) die gegewens verkry uit of afgelei van die oorspronklike en aangrensende kaarte, tussen hakies getoon; en
- (iii) die gegewens wat finaal vir die doel van die opmeting aanvaar is, deur onderstreping aangetoon:

Met dien verstande dat wanneer die oorspronklike en die nuwe opmeting op dieselfde koördinaatstelsel gebaseer is, 'n vergelyking van die oorspronklike, die opgemete en die aanvaarde koördinaatwaardes ook verskaf moet word: Met dien verstande verder dat, indien die vergelyking nie wesenlik in ooreenstemming met die voorbeeld in Aanhangsel B is nie, die toestemming van die Landmeter-generaal vooraf verkry moet word".

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