

**Field Planning and Construction****Review of *Geodetic Surveying* unit standard 11132**

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Surveying	Geodetic Surveying	11132

InfraTrain New Zealand (InfraTrain) has completed the review of the unit standard listed above.

**Date new versions published**

**February 2010**

**Planned review date**

**December 2012**

**Summary**

During resource development, feedback from industry indicated that the unit standard was not fit for purpose and required urgent consideration. As this unit standard is compulsory for candidates of the National Diploma in Surveying (Level 6) with an optional strand in Mine Surveying [Ref: 0453] it was essential to have an early review.

Feedback from industry noted the need for the review to be undertaken with appropriate industry specialists who had not been available when the standard was last reviewed by practising industry advisors. The content was anchored in classical forms of geodesy and the standard assessed outmoded practice. It was explained that the reviewed standard should cover calculations that most surveyors could reasonably expect to come across in their work; that underpinning calculation skills are advisable, that references needed updating and acronyms correcting, and that a gap in transforming heights needed to be addressed.

InfraTrain invited input from expert geodesists nominated by the Institute of Surveyors, and a small group of geodesy specialists (from Land Information New Zealand and the University of Otago) met to address the concerns over the unit standard and its resource materials. The group then debated issues by email until reaching consensus on the content.

**Main changes**

- Unit standard 11132 was replaced by unit standard 26298.

**Category C unit standard will expire at the end of December 2012****Impact on existing accreditations**

<b>Current Accreditation for</b>			<b>Accreditation extended to</b>		
<b>Nature of accreditation</b>	<b>ID</b>	<b>Level</b>	<b>Nature of accreditation</b>	<b>ID</b>	<b>Level</b>
Standard	11132	6	Standard	26298	6

## Impact on registered qualifications

Key to type of impact	
<b>Affected</b>	The qualification lists a reviewed classification (domain or subfield) in an elective set The qualification lists a standard that has changes to level or credits The qualification lists a C or D category standard
<b>Not materially affected</b>	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following InfraTrain qualification is impacted by the outcome of this review and will be revised in 2010.

Qualification Title and Reference	ID
National Diploma in Surveying (Level 6) with an Optional Strand in Mine Surveying [Ref: 0453]	11132

The following InfraTrain qualification is also impacted by the outcome of this review. It was replaced by the National Certificate in Surveying (Hydrographic Surveying) (Level 4) [Ref: 1444] in September 2008, and is due expire in December 2010.

Qualification Title and Reference	ID
National Certificate in Surveying (Hydrographic Surveying) (Level 5) [Ref: 0463]	11132

## Detailed list of unit standards – classification, title, level, and credits

Key to review category	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
<b>B</b>	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new ID
<b>D</b>	Standard will expire and not be replaced

### Planning and Construction > Surveying > Geodetic Surveying

ID	Title	Level	Credit	Review Category
11132	Perform geodetic computations	6	5	C
<b>26298</b>	<b>Perform and explain geodetic computations</b>	<b>6</b>	<b>5</b>	