



ICSM
INTERGOVERNMENTAL COMMITTEE ON
SURVEYING & MAPPING

A National Standard for Road and Bridge Construction in Australia and New Zealand

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“ICSM QA Specification G71 Road Construction Surveys”

Standards and practices for control surveys (SP1)


<http://www.icsm.gov.au/icsm/tasamm/G71.pdf>




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Why a national standard for road construction surveys?

- Expenditure \$6.5B (Aust) + \$1.5B (NZ)



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Why a national standard for road construction surveys?

- Do surveyors make a significant contribution?





Why a national standard for road construction surveys?

- **Road pavement course thickness**
10% reduction in thickness = 90% reduction in life



Why a national standard for road construction surveys?

Inconsistencies between Jurisdictions

- Treatment of quality systems
- Qualification of construction surveyor
- Difficult to locate survey requirements in specifications




ICSM QA Specification G71 Road Construction Surveys

1. **Addresses ISO 9001 and provides direction for compliance**
2. **Sets qualifications based on education & experience**
3. **Sets standards of accuracy for surveys and applies them to construction processes**



ICSM QA Specification G71 Road Construction Surveys - (Continued)

4. **Provides sample procedures**
5. **Detailed requirements for the survey control network**
6. **Addresses legislative requirements not covered by engineering requirements**



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Endorsement by Intergovernmental Committee on Surveying & Mapping (ICSM)

- **ICSM role is to provide leadership through coordination and standards in surveying, mapping/charting and national datasets**
- **Standing committee of ANZLIC**
(The Spatial Information Council of Australia and New Zealand)
- **TASAMM is a working party of ICSM**
(Transport Authorities Surveying and Mapping Managers)
- **Survey Manager RTA is custodian**

