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)

Why a national standard for road construction surveys?

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

- 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

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
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

Facing the challenge – building the capacity