

## **Post Tensioning Scheme For The Australian Construction Sector**

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The Post-Tensioning Institute of Australia (PTIA) and CARES are working together to deliver a PT Certification Scheme covering safety critical PT installation and products entering the construction supply chain in Australia.

The development by the UK's reinforcing steel authority, CARES, of its Certification Scheme for the supply and installation of post-tensioning (PT) systems, and its acceptance by the PT industry there, played a key part in Highways England's decision to lift its moratorium on grouted post-tensioned bridges in September 1996. CARES certification continues to enable companies to comply with specifiers' quality requirements, enabling them to bid for major PT contracts in the UK and internationally.

The objective of the new Australian Scheme is to give confidence to purchasers of post-tensioned concrete structures in Australia that the products comply with the appropriate specification - without the need to undertake separate verification. It involves the application of quality assurance principles to assess individual supplier's quality systems and, as appropriate, product testing to ensure their conformity with requirements set out in this Scheme.

This paper describes a unique, integrated approach to conformity assessment modelling for the entire supply chain from PT kit, grout and strand production to onsite installation of complete PT systems.