

# MEDIA RELEASE



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## NEW AUSTRALIAN STANDARDS ON TIMBER STRUCTURE DESIGN

Standards Australia recently updated its suite of Australian Standards related to timber structure design by revising two existing documents and adopting two International Standards.

The work program included:

- i. An amendment to **AS 1720.1 – 2010**, *Timber structures, Part 1: Design methods*
- ii. A new 2015 edition of **AS 1720.5**, *Timber structures, Part 5: Nailplated timber roof trusses*
- iii. An identical text adoption **AS/NZS ISO 10984.1**, *Timber structures – Dowel-type fasteners, Part 1: Determination of yield moment*
- iv. An identical text adoption **AS/NZS ISO 10984.2**, *Timber structures – Dowel-type fasteners, Part 2: Determination of embedding strength*

AS 1720.1 has been updated to amend plywood panel shear strength design values. This revised text amendment is based on the latest testing of structural plywood and represents Standards Australia's commitment to keeping this important standard up to date.

AS 1720.5 was developed in response to the industry need for an Australian Standard in timber truss design.

Mr Geoff Stringer, Chair of Technical Committee TM-010 and representative of the Australian Forest Products Association, said, "The publication of a design standard for nailplated timber roof trusses adds significantly to the AS 1720 suite of standards on timber design. AS 1720.5 will assist manufacturers with achieving the required performance outcomes for their products."

On the adoption of two international standards as Australian Standards, Mr Stringer said:

"The European Yield Model for timber connection design is widely accepted. The two material properties which underpin this design method are the Embedment Strength of the timber and the Yield Strength of the doweled connector. Test methods to determine these two properties are well established in the ISO 10984 series and these test methods have now been adopted for Australian use. More reliable timber connections and improved building performance will be the outcome."

The publications were developed by Technical Committee TM-010, Timber Structures and Framing. Stakeholders from governments, regulators, industry associations, testing and research bodies, and academic institutions constituted the committee.

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