

Comparison of current Australian Standard with updated ISO standard

Current Australian Standard	AS 3778.6.6 - 2008	Measuring Devices, instruments and equipment – Cableway systems for stream gauging
Updated ISO Standard	ISO 4375:2014	Hydrometry – Cableway systems for stream gauging

High-level comment on differences

- The current Australian Standard (based on ISO 4375:2000) is relatively the same as the current ISO version 4375:2014, most notably though containing minor amendments to informative Annexure A and addition of informative Annexure B.
- There are some minor text modifications within the current ISO for clarity or slight changes in terminology, as well as additional description on cable sag measurements in the ISO.
- There are **no additional prescriptive statements** in the new ISO beyond those contained in the current AS.

Reviewer recommendation

I recommend that the technical committee

- accept ISO 4375:2014 in full to replace AS 3778.6.6 (2008)

<i>options</i>
<ul style="list-style-type: none">• <i>accept the updated ISO in full to replace current AS (simplest option!)</i>
<ul style="list-style-type: none">• <i>reject the updated ISO and withdraw the current AS (in cases where the update is not appropriate for Australian practice)</i>
<ul style="list-style-type: none">• <i>reject the updated ISO and re-confirm the current AS without change (an alternative option in cases where the update is not appropriate for Australian practice)</i>
<ul style="list-style-type: none">• <i>further work required to adapt the ISO for an updated AS (non-preferred option, exceptional cases only)</i>

Detailed summary of differences

The table below outlines in more detail a summary of the differences between the current Australian Standard under review and the relevant updated ISO standard and includes reviewer comment where relevant.

Column 1: Identifies the number and name of the section in the current Australian Standard

Column 2: Classification of the change for that section. Classified as either:

- **No change (green shading)** – The updated ISO is the same as the current Australian Standard.
- **Minor change (blue shading)** – Changes that have minimal impact on the outcome, including
 - minor format, style or heading changes
 - minor additions, removals or changes to a few words or clauses
 - addition or exclusion of more detailed explanation
 - very minor changes to steps or processes.
- **Significant change (orange shading)** – Changes that have a moderate to major impact on the outcome, such as
 - Changes to requirements
 - Significant changes to calculations, steps or processes.

Column 3: More detail to describe the change, and comment from the reviewer (enough detail for the consideration of AHA and WaMSTeC members in their review).

Text colour is used in this column as follows:

- Black text – More detailed explanation of the changes and reviewer comment. **Specific reviewer comment on the changes highlighted in yellow.**
- Blue text – reference to information included in the updated ISO that is not in the current Australian Standard
- Red text – reference to information included in the current Australian Standard that is not in the updated ISO.

Section (AS section number)	Classification of change AS to ISO	More detail and comment on changes in the updated ISO
1. Scope and field of application	Minor	Additional text reinforcing that the standard applies only to cableway systems for hydrometric measurements. If the infrastructure is required to comply for load lifting certification then other standards or regulations may apply – not covered by this standard
2. References	Minor	Removes reference ISO 31-3:1992 and ISO 748 as Normative References
3. Definitions	Unchanged	
4. General description of a cableway system	Minor	Minor amendments to diagrams for clarity
5. Functional requirements of cableway components	Unchanged	
6. Maintenance examination and testing	Minor	Additional descriptive information in 6.5 regarding sag concept
Annex A (informative) Cableway characteristics	Minor	Minor changes to table examples in Table A1 – 10mm reference used for example. 25Kg working load reference table removed from tables provided, addition of 10mm wire rope diameter included in reference tables
Annex B (informative) Limiting main cable tension in bankside cableways	Minor	NEW SECTION Descriptive guidance on existing installations, difficult sites, safety factors. Useful guidance section on load limiting devices/systems/techniques that can be employed in cableway installations if required.