



# Australia & New Zealand Respiratory Standards

Implementation of ISO Respiratory Standards for Australia & New Zealand

By

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# Australia & New Zealand Respiratory Standards

- **AS/NZS 1715 & 1716 will be replaced by the new ISO standards as detailed in this presentation.**
  - **Later in 2023 it is expected that Respiratory Committee SF-010 will meet to discuss the setting of a date to supersede 1715 & 1716 with these new ISO standards.**
  - **The Committee will be setting a reasonable timeframe, which will be in years, for the date that 1715 & 1716 will be superseded.**
  - **It is expected the these new AS/NZS ISO Respiratory Standards will be operational in parallel with the existing 1715 & 1716 standards during this period of time.**
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- **Standards Australia & Standards New Zealand have already commenced the adoption of the new ISO Respiratory Standards as AS/NZS Standards which are now able to be implemented.**
  - **To date all the ISO Respiratory Standards have been adopted without any modification to their Technical or Performance requirements, the changes in the AS/NZS adoption, which are detailed in Annex ZZ of the specific standards, are generally editorial.**



# Australia & New Zealand Respiratory Standards

## Current Standard

**AS/NZS 1715:2009 Selection, use and maintenance of respiratory protective equipment**

## New AS/NZS Respiratory Standards

### Selection for Workplaces

#### Requirements

(AS/NZS ISO 16975.3:2023?) - ISO 16975-3:2017

**Selection, use and maintenance – Part 3: Fit-testing procedures**

ISO/TS 16975-4:2022

**Selection, use and maintenance – Part 4: Selection and usage guideline for respiratory protective devices under pandemic/epidemic/outbreak of infectious respiratory disease**

#### Technical Specifications

(SA/SNZ TS ISO 16975.1:2023?) - ISO/TS 16975.1:2016

**Selection, use and maintenance – Part 1: Establishing and implementing a respiratory protective device program**

(SA/SNZ TS ISO 16975.2:2023?) - ISO/TS 16975.2:2016

**Selection, use and maintenance – Part 2: Condensed guide to establishing and implementing a respiratory protective device program**

# Australia & New Zealand Respiratory Standards

Current Standard

AS/NZS 1716:2012 Respiratory Protective Devices

## New AS/NZS Respiratory Standards

### Selection for Workplaces & Manufacturers

#### Performance Requirements

AS/NZS 17420.1:2022 – ISO 17420-1:2021, MOD  
**General**

AS/NZS 17420.2:2021 – ISO 17420-2:2021(ED.1.0) MOD  
**Filtering RPD**

AS/NZS 17420.3:2021 – ISO 17420-3:2021(ED.1.0) MOD  
**Thread Connection**

AS/NZS 17420.4:2022 – ISO 17420-4:2022(ED.1.0) MOD  
**Supplied Breathable Gas RPD**

ISO 17420.5:2021  
**Special Application Fire Services**

AS/NZS 17420.6:2022 – ISO 17420-6:2021, MOD  
**Special Application Escape**

AS/NZS 17420.7:2022 – ISO 17420-7:2021, MOD  
**Special application marine, mining, welding and abrasive blasting**

SA/SNZ TS 17420.8:2023 – ISO/TS 17420-8:2021, MOD  
**CBRN Nuclear Filtering**

SA/SNZ TS 17420.9:2023 – ISO/TS 17420-9:2021, MOD  
**CBRN Supplied Air**

#### Technical Specifications

SA/SNZ TS ISO 16973:2023 – ISO/TS 16973:2016  
**Classification**

SA/SNZ TS ISO 16976.1:2021 – ISO/TS 16976-1:2015  
**Respiratory Flowrate**

SA/SNZ TS ISO 16976.2:2021 – ISO/TS 16976-2:2015  
**Anthropometric**

SA/SNZ TS ISO 16976.3:2021 – ISO/TS 16976-3:2019  
**Physiological Limitations**

SA/SNZ TS ISO 16976.4:2021 – ISO/TS 16976-4:2019  
**Work of Breathing**

SA/SNZ TS ISO 16976.5:2021 – ISO/TS 16976-5:2020  
**Thermal Effects**

SA/SNZ TS ISO 16976.6:2021 – ISO/TS 16976-6:2014  
**Psycho-physiological Effects**

SA/SNZ TS ISO 16976.7:2021 – ISO/TS 16976-7:2020  
**Hearing and Speech**

SA TS ISO 16976.8:2015 – ISO/TS 16976-8:2013  
**Ergonomics Factors**

AS/NZS ISO 16972:2023 – ISO 16972:2020  
**Terms and Definitions**

### Requirements for Test Laboratories

#### Test Requirements

AS/NZS ISO 16900.1:2021 – ISO 16900-1:2019  
**Test Method Inward Leakage**

AS/NZS ISO 16900.2:2023 – ISO 16900-2:2017  
**Breathing Resistance**

AS ISO 16900.3:2015 – ISO 16900-3:2012  
**Particle Penetration**

AS ISO 16900.4:2015 – ISO 16900-4:2011  
**Gas Capacity**

AS/NZS ISO 16900.5:2021 – ISO 16900-5:2016  
**Headforms Tools**

AS/NZS ISO 16900.6:2022 – ISO 16900-6:2021  
**Mechanical Strength**

AS/NZS ISO 16900.7:2021 – ISO 16900-7:2020  
**Practical Performance**

AS/NZS ISO 16900.8:2021 – ISO 16900-8:2015  
**Interactive Flow**

AS/NZS ISO 16900.9:2023 – ISO 16900-9:2015  
**CO2 Concentration**

AS/NZS ISO 16900.10:2022 – ISO 16900-10:2015  
**Flame Heat Exposure**

AS ISO 16900.11:2015 – ISO 16900-11:2013  
**Field of Vision**

AS/NZS ISO 16900.12:2021 – ISO 16900-12:2016  
**Work of Breathing**

AS NZS ISO 16900.13:2021 – ISO 16900-13:2015  
**Closed Circuit CO2**

AS/NZS ISO 16900.14:2021 – ISO 16900-14:2020  
**Sound Level Measurement**



# Conclusion

- **Occupational Hygienists, Workplaces and Manufacturers should now be reviewing these new RPD standards for the purpose of developing their transition and implementation into workplaces and the supply chain.**
- **These standards will bring for the 1<sup>st</sup> time, real harmonisation of RPD requirements on a global basis.**

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