



Global Risk Consulting  
Sprinkler Certification

<b>Aon Sprinkler Certification Technical Note</b>		
<b>Note Number:</b> TN-16-24	<b>Issue: 1</b>	<b>Date: 19<sup>th</sup> August 2016</b>
<b>Subject:</b>	<b>NZS4541:2013 – Clause 1202.7 Fire Sprinkler System Valve Overhaul</b>	
Notice: Aon Sprinkler Certification Technical Notes provide guidance notes which may be used in certification of sprinkler installations by Aon New Zealand. If sprinkler installations are being certified by any other Sprinkler System Certifier, these Technical Notes may not apply.		

NZS4541:2013 clause 1202.7 covers in detail the valve overhaul requirements for fire sprinkler system components, as part of the wider requirements to maintain a system in a serviceable condition.

Aon have had anecdotal feedback from various stakeholders that in the course of testing and servicing various systems, it would appear that not all components detailed in clause 1202.7 are being maintained accordingly.

We would highlight that the subject clause extends to all valving incorporated in both the sprinkler system control valves and site water supplies.

Further we would highlight that NZS4541:2013 introduced a requirement for a check valve in conjunction with floor isolate valves and flow switches, when a design utilises the concessions available with an enhanced safety valve set configuration. The subject check valves at each floor level are also required to be maintained as part of the quadrennial valve overhaul. Careful attention is required when reassembling these check valves post service, that they have free operation over their entire range of movement. Current detailing in NZS4541:2013 provides only the flow switch test drain as a means to regularly exercise these check valves, this is potentially only providing partial exercise of the valve, as opposed to ideally achieving a regular full range of movement of the internal componentry.

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