Major revision planned to obtrusive outdoor lighting standard AS 4282

The Australian standard providing guidance on outdoor lighting pollution, light trespass and excessive glare is about to undergo a major revision and become a joint Australia/New Zealand standard. Consideration will be given to including new technologies such as LED light sources, dynamic controls and street lighting.

The Standard *AS4282 Obtrusive Effects of Outdoor Lighting* was first published in 1997 and has not been updated since. The standards committee is being re-established. Both Australian and New Zealand representatives are being sought from a range of stakeholder groups.

The aim of the standard is to provide application-based guidelines for designers, installers, asset owners and managers, and to set requirements ensuring outdoor lighting installations provide a safe, secure and non-obtrusive lit environment.

Regulators and council officials use the standard to manage lighting issues that range from light pollution to excessive glare and neighbourhood nuisance. It currently addresses obtrusive outdoor lighting from car parking lots, parks and reserves, sports lighting, floodlighting and yard lighting that that can give rise to discomfort or pose a safety hazard.

Standards New Zealand's Senior Manager Electrical, John Kelly, says that the Australian Standard is frequently cited in Australia and New Zealand design specifications as well as city planning, resource consent documents and dispute resolution processes, so it is timely that it becomes a joint AS/NZS Standard.

Representatives on the re-formed committee are being drawn from organisations in the lighting and luminaire design sectors, lighting science, transport, local government, astronomy and outdoor advertising. Issues to be addressed are expected to range from luminaire optics and exterior lighting design to the impacts of LED spectral characteristics, blue-rich white light and dynamic lighting controls.

The revision task is significant and it is unlikely the new standard will be published before 2017.

Based on an article from *Public Lighting Today* 3 Oct 2015