



Deakin eSolutions (Information Technology Services Division)

ICT Volume 6: Network Standards

ICT 6.1 2017 Network Standards Overview

Audio Visual and Networks Unit

Document Version 1.1

Abstract

This document specifies technical standards, specific models and configuration parameters to be applied to any videoconferencing installation undertaken by or on behalf of Deakin University.

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Document Control

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Ver.	Primary Author(s)	Description of Version	Date Completed
1.1	David Rhodes	Initial document release	03/10/2017

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ICT 6.2 Communications Room Standards

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1 General information

Deakin University is a leader in ICT facilities supporting teaching and learning.

Deakin eSolutions is tasked to provide a scalable, efficient and reliable computing and network environment now and into the future.

To ensure consistency and completeness of ICT solutions Deakin eSolutions stipulates standards for its physical and logical infrastructure.

2 Standards Document Access

Deakin eSolutions ICT standards are made available through the Deakin ICT standards site to authorised and approved contracted personal and Deakin staff.

3 Policy

The ICT standards apply to all ICT works throughout Deakin University and associated locations managed by Deakin eSolutions.

4 Purpose

The Deakin ICT standards describe product, methodology and expectations of Deakin University with respect to ICT physical and logical installations, testing, documentation (including labelling) and management throughout locations managed by Deakin eSolutions.

5 Conflict of Information or Clarification.

Whenever a conflict of information occurs or clarification of instruction is required, all queries shall be made formally to the 'Deakin University eSolutions AVN Manager or their delegate', hereafter referred to as the Deakin AVN representative.

For all projects or tasks that include physical ICT network infrastructure, an AVN representative will be assigned. This person will be the first point of contact for all queries. If this person is not available, such enquiries should be directed to the Deakin eSolutions AVN Unit Manager.

6 ICT 6 - Network Standards Overview

ICT 6.1 – Network Standards Overview – this document.

ICT 6.2 - Communications Rooms Standards – describe the standards for communications rooms in use in Deakin for housing of ICT equipment. (Note: Resource ICT 6.2.1 (Communications room checklist) has been moved on line and in to iAuditor and forms part of handover processes).

ICT 6.3 - Communications Cabling Standards – describe copper and fibre cabling standards in use at Deakin. This standard incorporates 6.5 – 2016 Fibre Optic standards which is now obsolete.

ICT 6.6 - Power Provisioning Standards – describe UPS and dual power standards for the provision of power to communications equipment.

ICT 6.9 – Wireless LAN Standards – describe physical wireless standards in use at Deakin, including site survey and mounting of access points.

(ICT 6.4,.6.5 and 6.8 are not in use at this point in time)

For further information, please contact your AV and Networks representative.

7 OHS Statements and Notifications

Occupational Health and Safety

One of the major objectives of the University is to ensure that staff, students, visitors and the community does not suffer injuries and illnesses as a result of the activities and operations of and at the University.

It is expected that awarded Cabling Contractor and any nominated sub-contractor will make available the necessary resources to comply with all relevant Occupational Health & Safety Acts and Regulations, thereby ensuring that the workplace environment is safe and without risk to health.

Everyone in the workplace environment is required to be aware of potential hazards and take steps to prevent workplace accidents, injuries and illnesses.

It is therefore important to note that Cabling Contractor(s), any nominated sub-contractor(s) and their staff shall conform to normal site safety requirements as advised by Deakin University.

Maintaining a Safe Working Environment

Consideration for the following should be understood in order to maintain a safe working environment during the course of the installations.

- (a) Safety of students, instructors and Contractors shall be observed at all times.
- (b) All Contractors that perform any work on a Deakin University site are to undertake a site safety induction.
- (c) Where applicable, no Contractor is permitted to commence any work on site at a Deakin University Campus without having completed this site safety induction.
- (d) Where applicable, the safety induction program will be arranged with the Deakin University Site Manager.
- (e) Shall be sign in through the Deakin Contractor Management System on arrival and out on departure from Deakin Campus'

Note of Concern

The Cabling Contractor, any sub-contractor and staff are to adhere to policies and procedures described within the Deakin University Asbestos Management documentation available from Deakin University upon request.

The Asbestos Register identified within the Deakin University Asbestos Management documentation is available from Deakin University upon request.

8 Document Body

The body of the document starts with the Standards Brief which typically contains the headings::

- Preamble
- Proposed audience
- Document purpose
- Conflict of information contact
- And any exclusions of the document

9 Subject Content

Following the Standards brief The main content of document starts. The main content can be any number of chapters and appendices sufficient to describe the standard's definition.

Standard contain references Australian Standards or vendor booklets. For Deakin University staff the Australian standards can be viewed through the Deakin University Library Online Catalogue. Vendor booklets can be obtained from their associated website.

In some instances the vendor booklets are imbedded to the softcopy of the Deakin eSolutions AV and Networks document. These imbedded documents are only viewable as a 'soft copy' in Microsoft Word.

10 Document Change Control

Changes in any of the documents described in 2.1 Document Tree require the approval of the Deakin University eSolutions Audio-Visual & Networks Unit Manager before being approved by the eSolutions Architecture Review Control Board (ARCB) for publication.