INFRASTRUCTURE AND FACILITIES SERVICES

TECHNOLOGY DESIGN PRINCIPLES

WHAT ARE THE PRINCIPLES?

Technology Design Principles are the general rules that underpin the development of the University's technology footprint in the built environment. The principles capture the fundamental values about how UON will weave digital technology into the fabric of our built environment.

WHY DO WE NEED THE PRINCIPLES?

Technology Design Principles directly support the achievement of **UON**'s strategic goals. They provide a basis to guide, evaluate, test and justify design decisions. They underpin planning activities required to understand the current state and design for the desired future state.

WHEN DO THE PRINCIPLES APPLY?

The Technology Design Principles should be applied to any facilities project that has end user technology outcomes within scope.

HOW ARE THE PRINCIPLES APPLIED?

Technology Design Principles are an integrated element of the University of Newcastle Enterprise Architecture. Any information technology or digital solutions should be considered in this framework prior to implementation. IFS Project Managers should document any deliberate deviation from these principles for approval through the project governance system.

1. ITS endorsed solutions

Technology and system selection must be subject to ITS endorsement in terms of alignment to the Enterprise Architecture / Cloud - UX Principles and standards

2. Human at the centre of the design

The design should consider the impact on the overall experience for the intended users

3. Enable BYOD

Access to the University's digital domain should be through the client's device of choice with the least restriction on physical hardware and operating system requirements

4. Wireless First

Users can access digital services without the need to be physically tethered to UON infrastructure where applicable

5. Digital information delivery

Intelligent, adaptive and seamlessly connected digital content is proactively delivered to the UON audience through multiple channels and devices

6. Adaptive Facilities

Adaptive Facilities transform narrow focus standalone applications and systems into an integrated (or at least federated) facilities, platforms, and equipment knowledge domain

7. Infrastructure Analytics

Systems expose data through open and accessible interfaces contributing to the infrastructure knowledge domain and promoting evidence-based decision-making