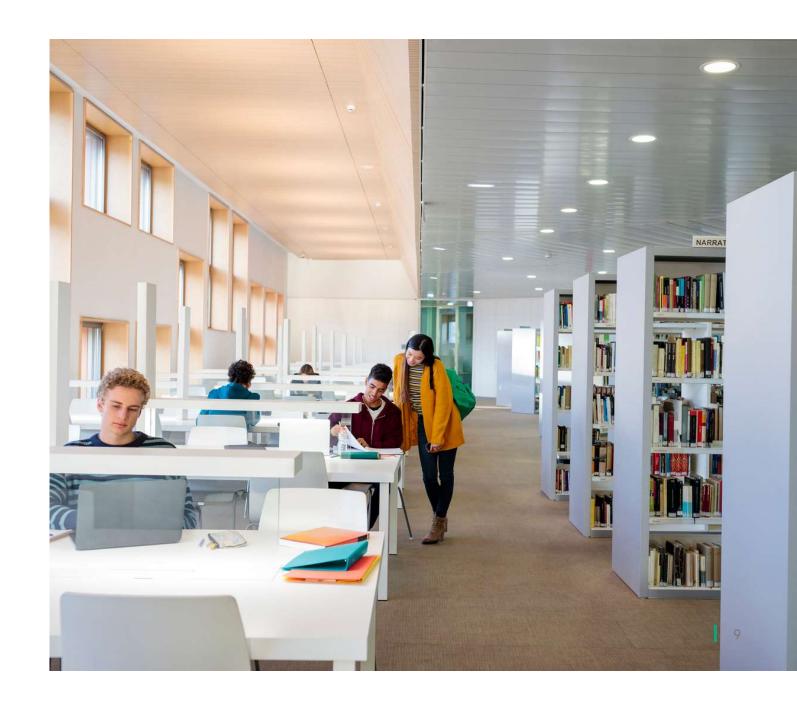


REQUIREMENTS

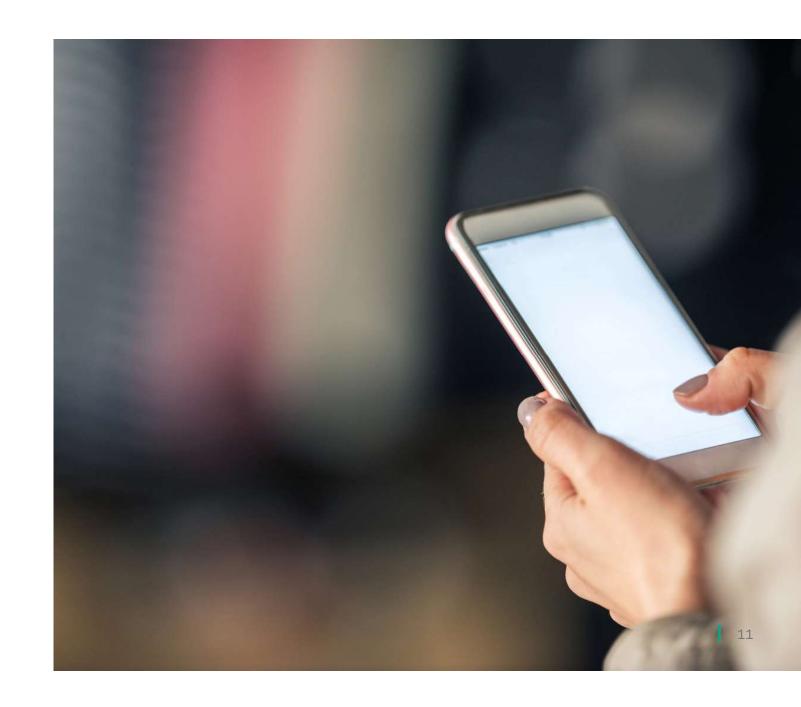
Which devices need to do what and where?

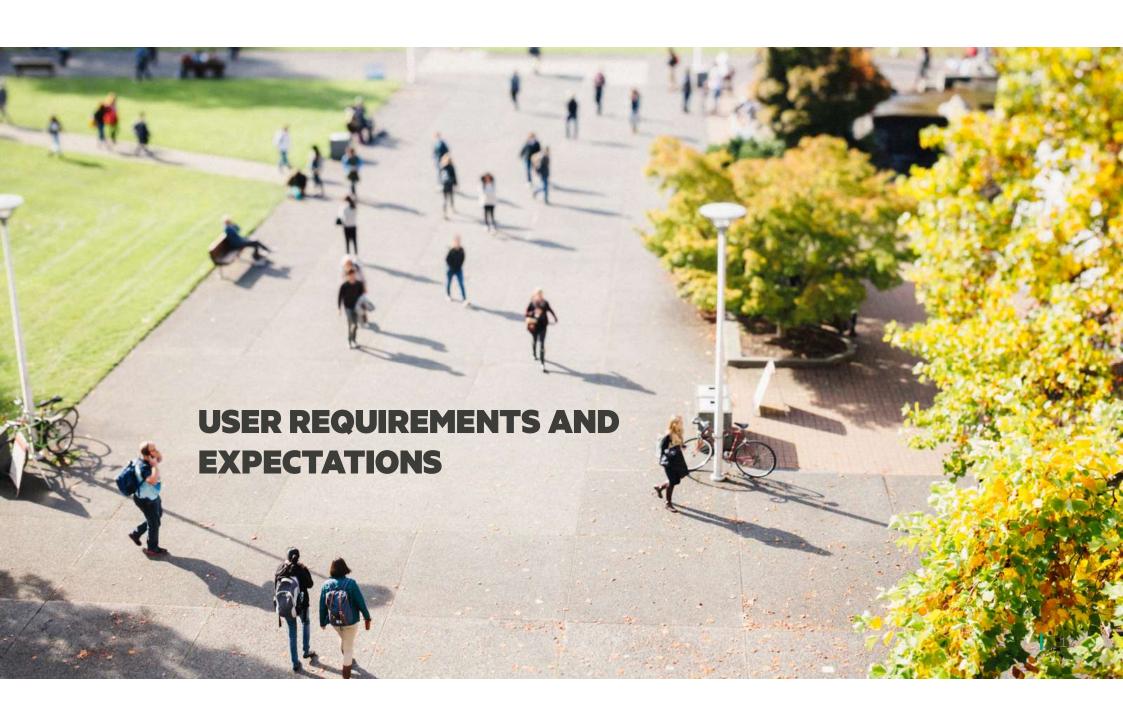




MOST IMPORTANT, LEAST CAPABLE

- Cheap Chromebook?
- Raspberry Pi?
- Cheap smartphone?
- 2.4GHz only laptop?
- Target -60dB in Ekahau designs





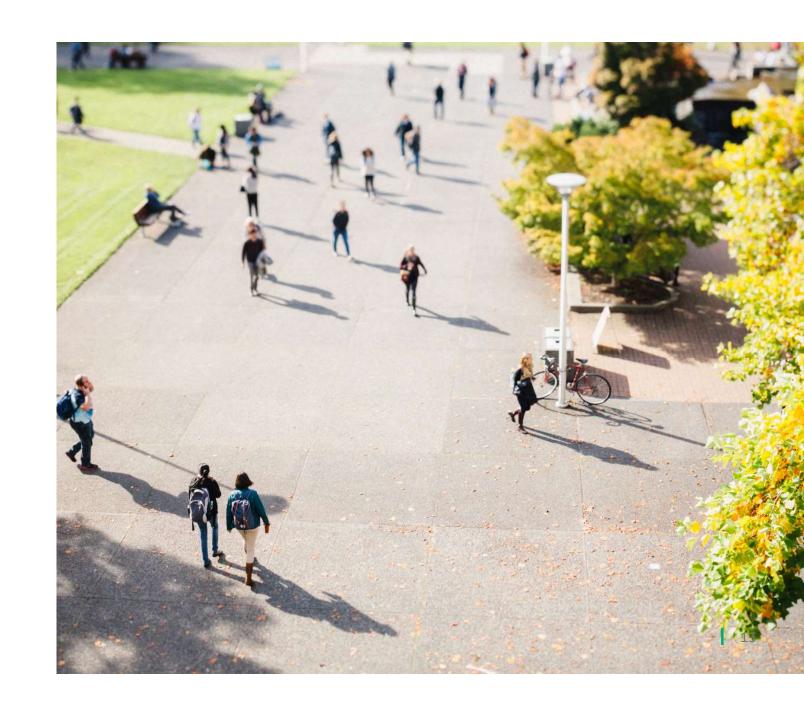
USER REQUIREMENTS AND EXPECTATIONS

Students in:

- Study bedrooms
- Shared study space
- Lecture theatre

Administrative staff

Researchers



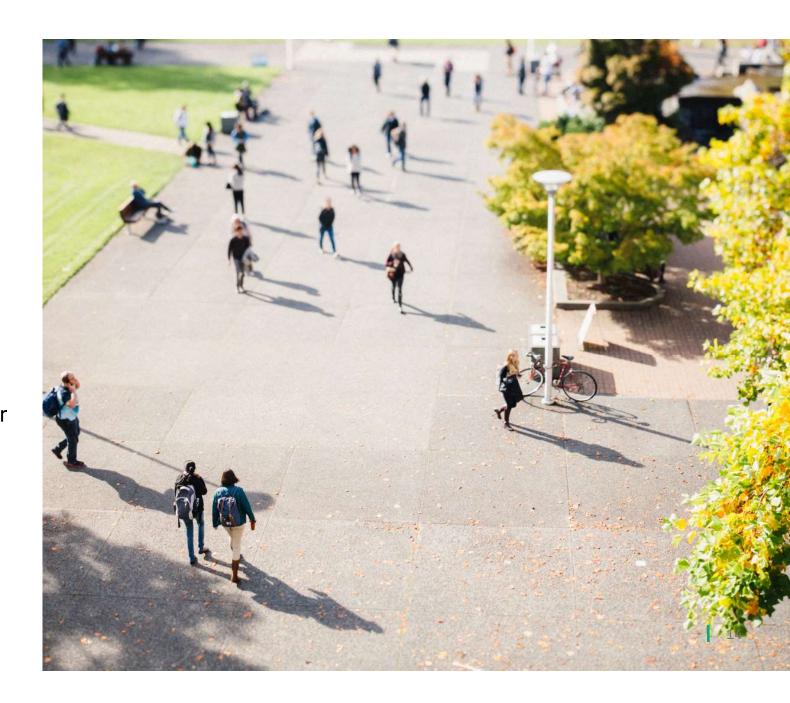
FOUR CATEGORIES

Administrative – baseline

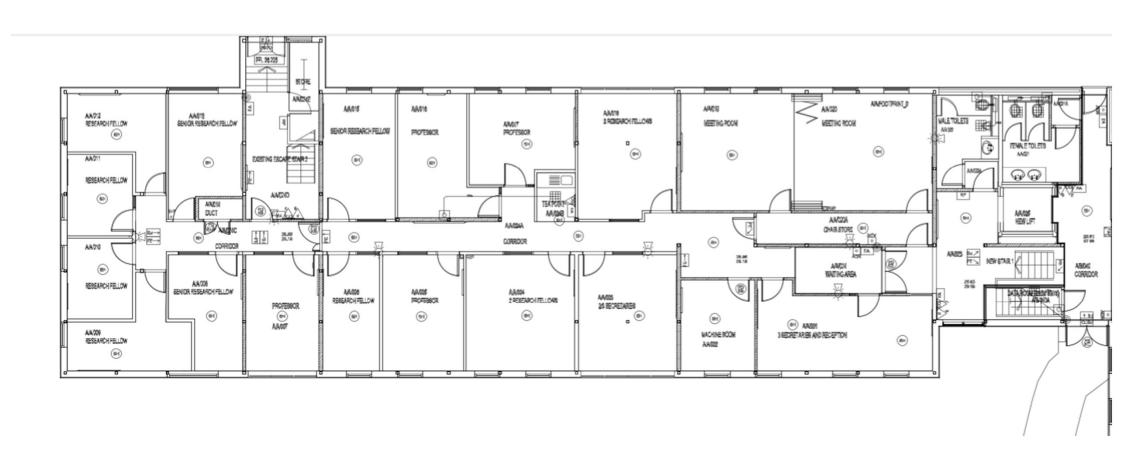
Domestic – high bandwidth

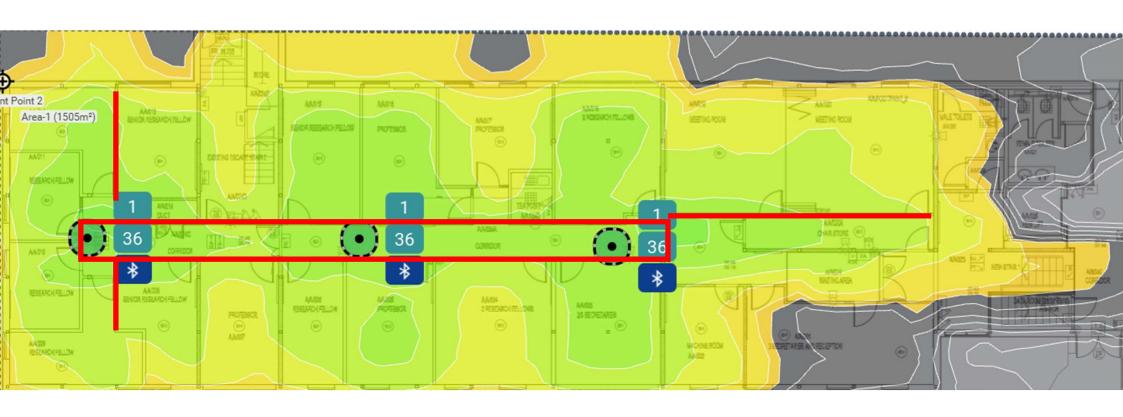
Research – anything goes

High density – numbers and/or
throughput

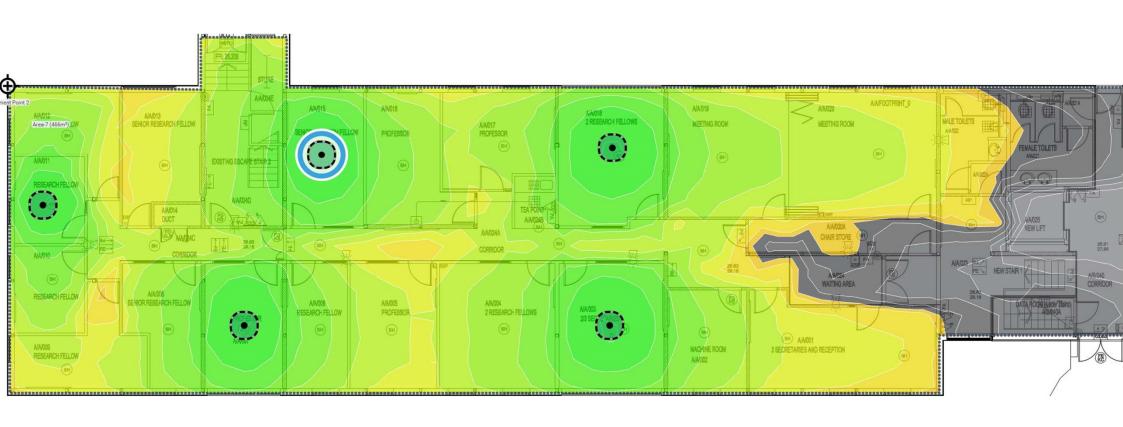










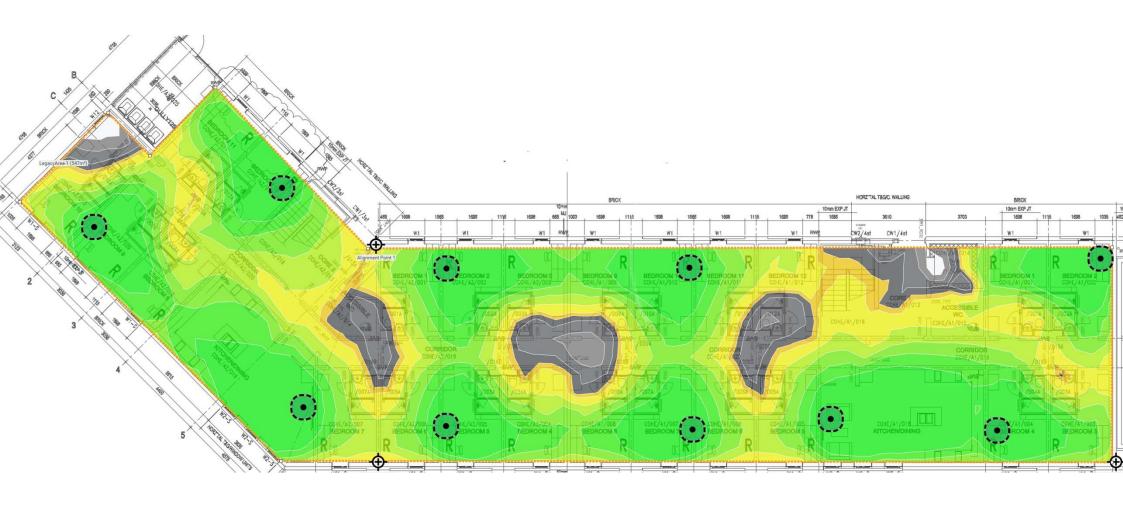


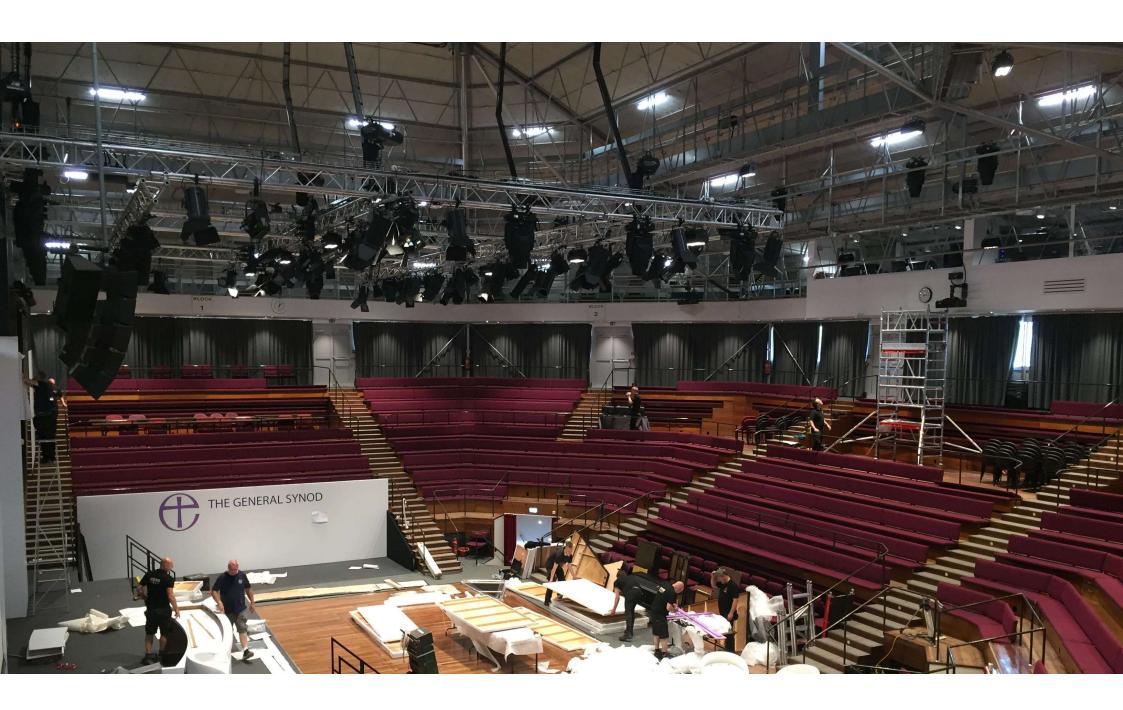
HOSPITALITY/ WALLJACK AP

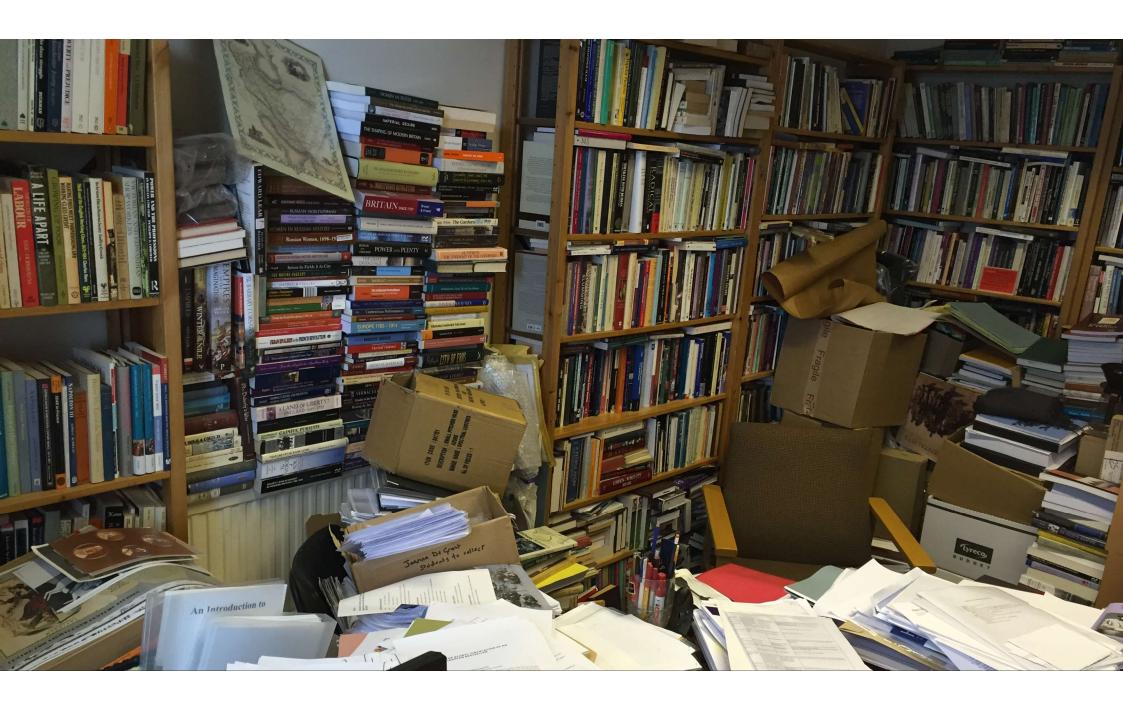






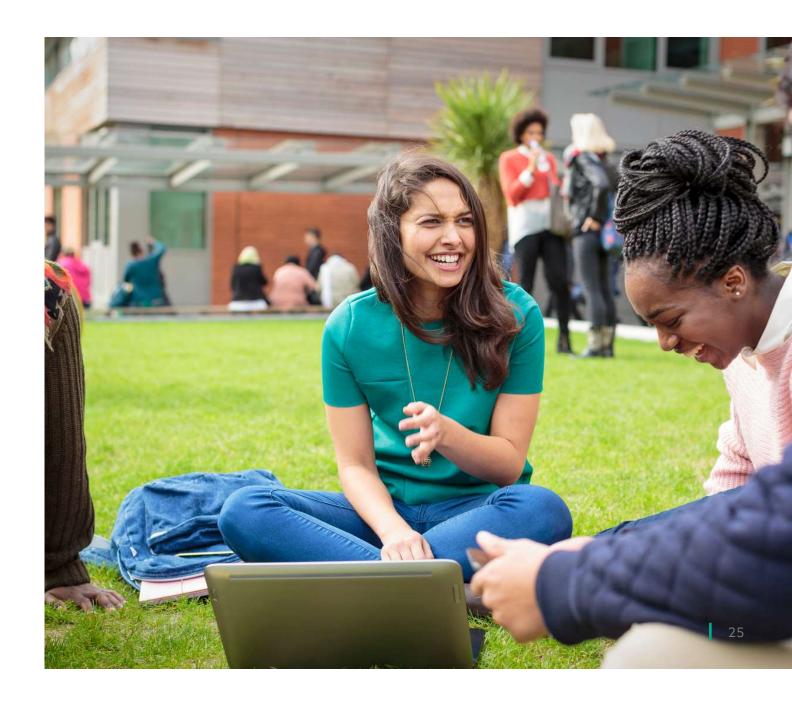




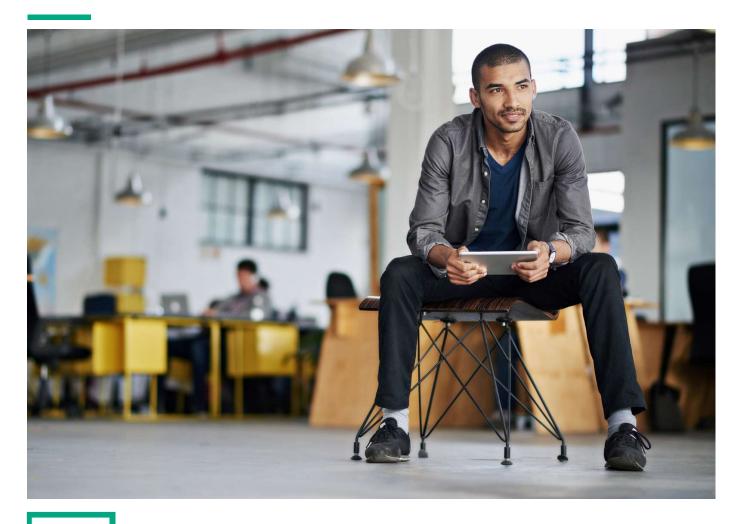


THAT ESSENTIAL NETWORK STUFF

- Users are highly mobile layer3 roaming is highly problematic
- Backend infrastructure must be appropriately sized DHCP DNS Routing Switch tables



USER REQUIREMENTS BEFORE POLICY



Users in HE will ignore policy and implement their own solution if you don't help them

Temporary or ad hoc solutions present a risk to the network and create more of a support burden

By standardizing and templating as much as possible, unique requests can be accommodated