

National Broadband Rollout

ElectroComms & EnergyUtilities
Industry Skills Council

EE-Oz Training Standards

Occupations, Skills & Training Requirements

Mr Robert Taylor

CEO, EE-Oz Training Standards



TRAINING STANDARDS
AUSTRALIA

Issues

- Safety & Protection
 - Public
 - Operatives
 - Infrastructure & assets
 - Traffic control
- Network & Infrastructure Access
 - Integrity



Objectives

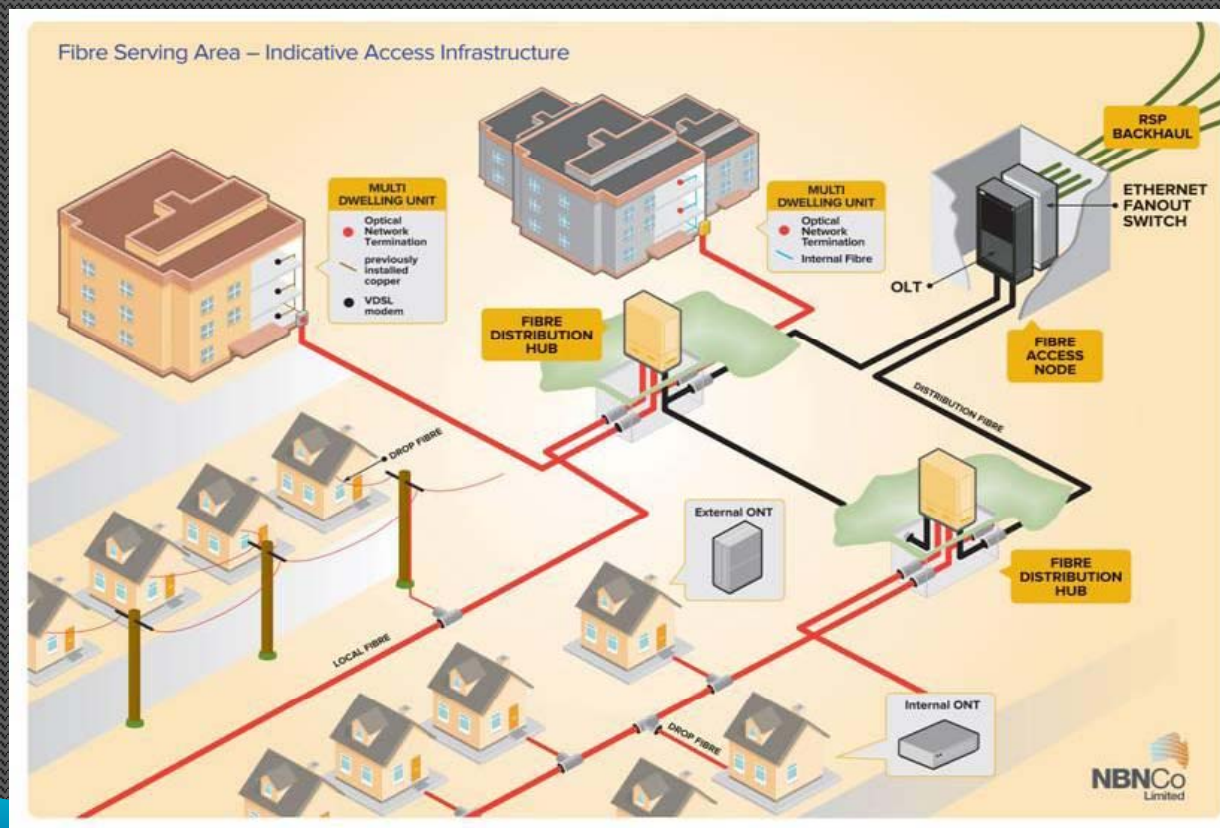
With these issues in mind, identify:

- Job roles required
- Skills & knowledge required
(Competency Standard Units)
- Training required to support skills & knowledge development
- Qualifications & Skill Sets required



The National Broadband Network

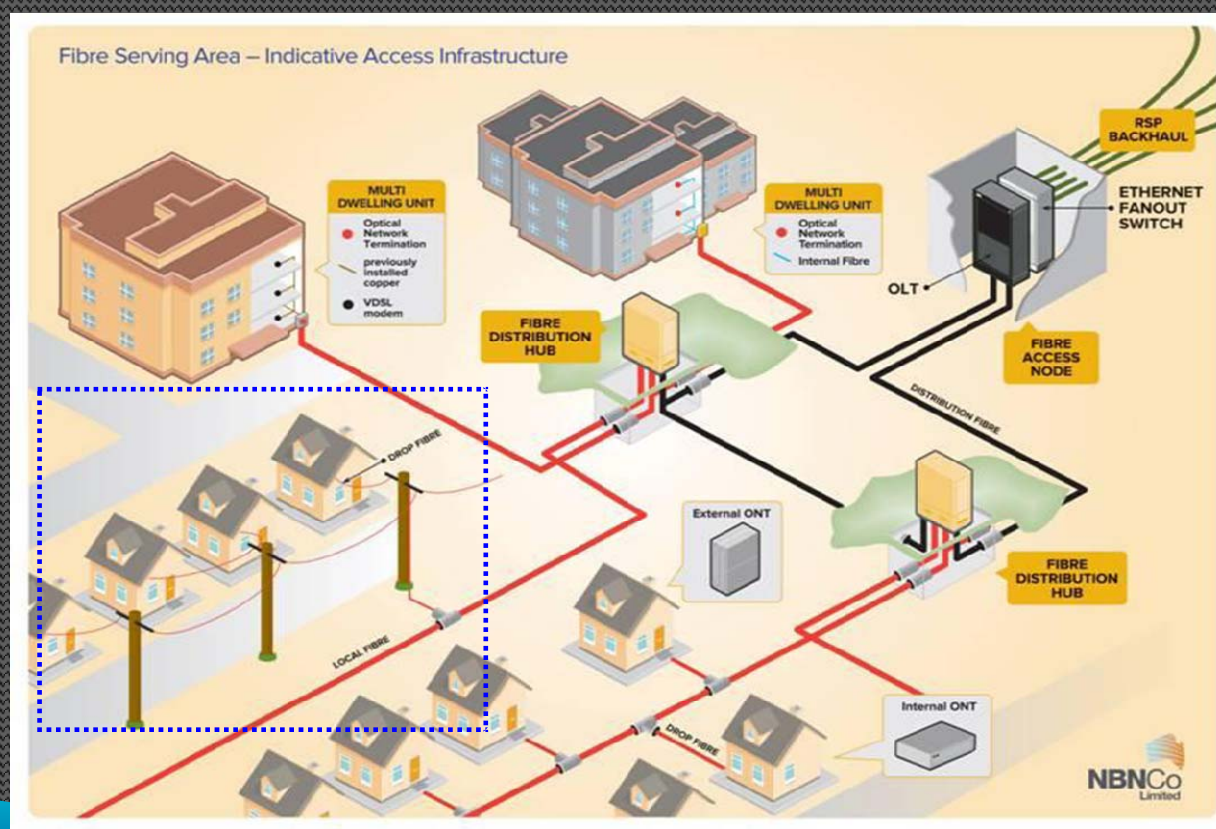
- 4 Scenarios around work on the NBN



Scenario 1

- Job roles
- Skills & Knowledge
- Training required
- Qualifications & Skill Sets

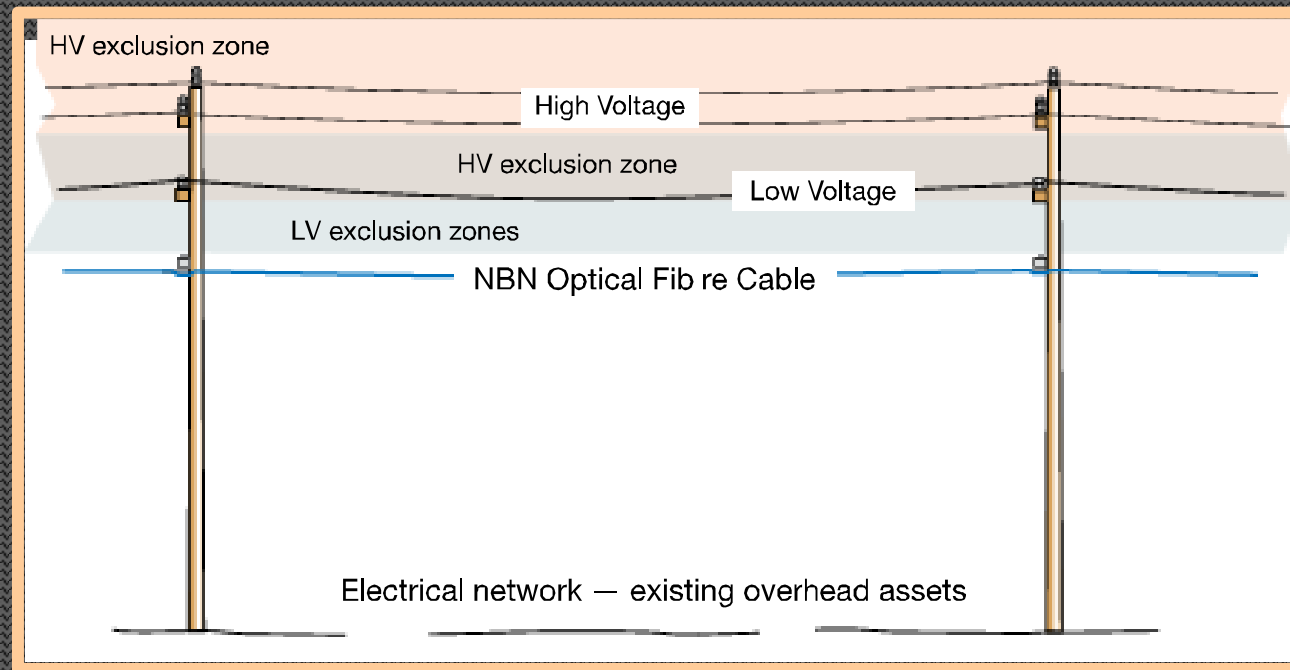
Network aerial cabling on electricity infrastructure



Scenario 1

- Job roles
- Skills & Knowledge
- Training required
- Qualifications & Skill Sets

Network aerial cabling on electricity infrastructure



SCENARIO 1: Network aerial cabling on electricity infrastructure

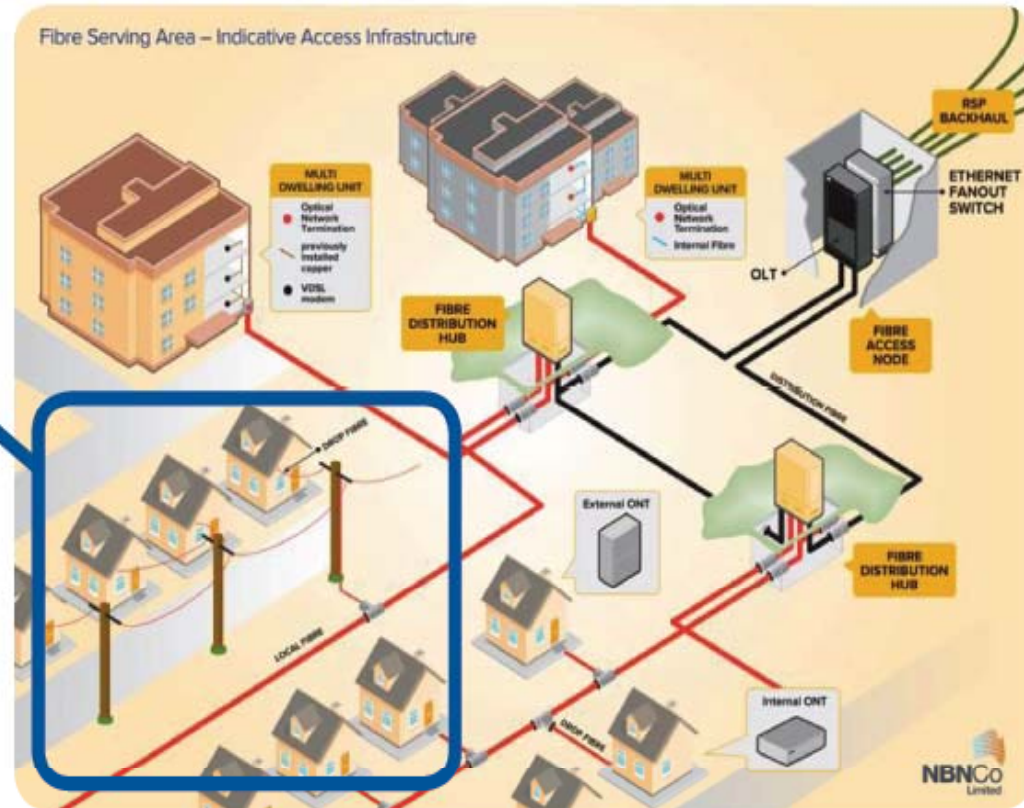


SUGGESTED QUALIFICATION:

UET20310 CERTIFICATE II IN NATIONAL BROADBAND NETWORK CABLING INSTALLATION AND MAINTENANCE

CORE UNITS:

- UEENEEE001B Apply OHS practices in the workplace
- UEENEEE002B Dismantle, assemble and fabricate Electrotechnology components
- UEENEEE005B Fix and secure equipment
- UEENEEE037B Document occupational hazards and risks in Electrotechnology
- UEENEEK042B Participate in environmentally sustainable work practices
- UETTREL04B Working safely near live electrical apparatus for non electrical worker
- UETTDRISSXA Install and maintain telecommunications infrastructure on electricity supply industry assets
- ICTCBL2065A Splice and terminate optical fibre cable for carriers and service providers



PLUS ELECTIVE UNITS

OR

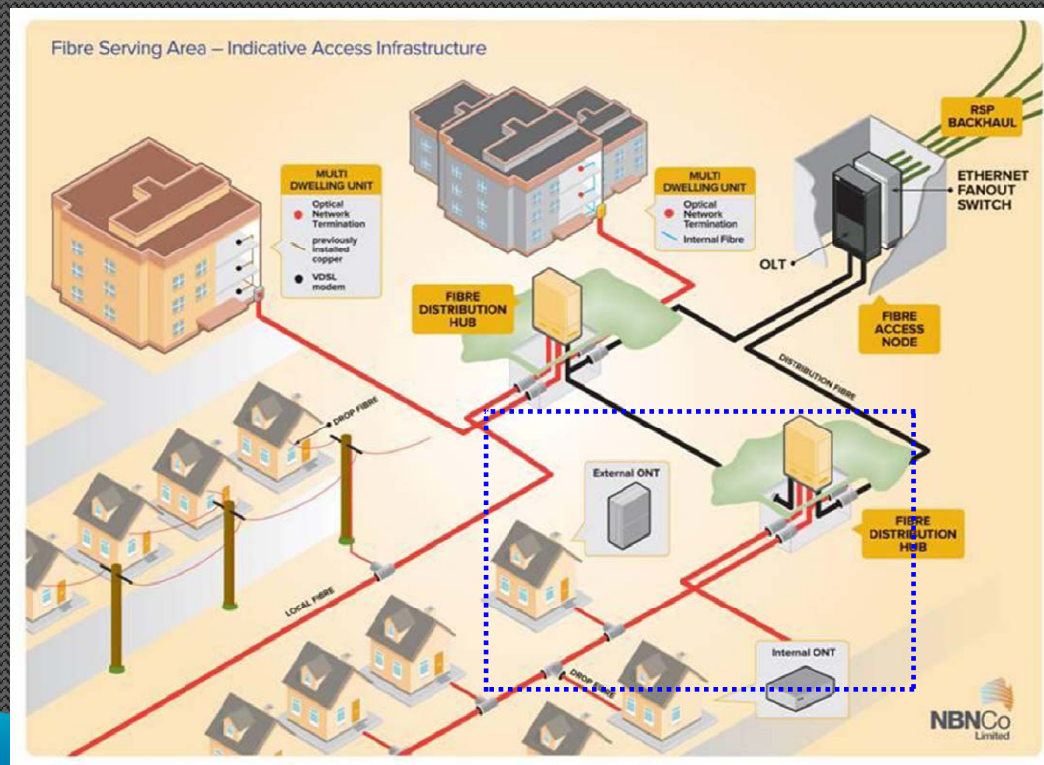
SKILL SETS

- UET30209 CIII In ESI Distribution with Skill Set (ICTCBL2065A and UETTDRISSXA)
- UEE30807 CIII In Electrotechnology Electrician with Skill Set (UETTREL04B, UETTDRISSXA and ICTCBL2065A)

Scenario 2

- Job roles
- Skills & Knowledge
- Training required
- Qualifications & Skill Sets

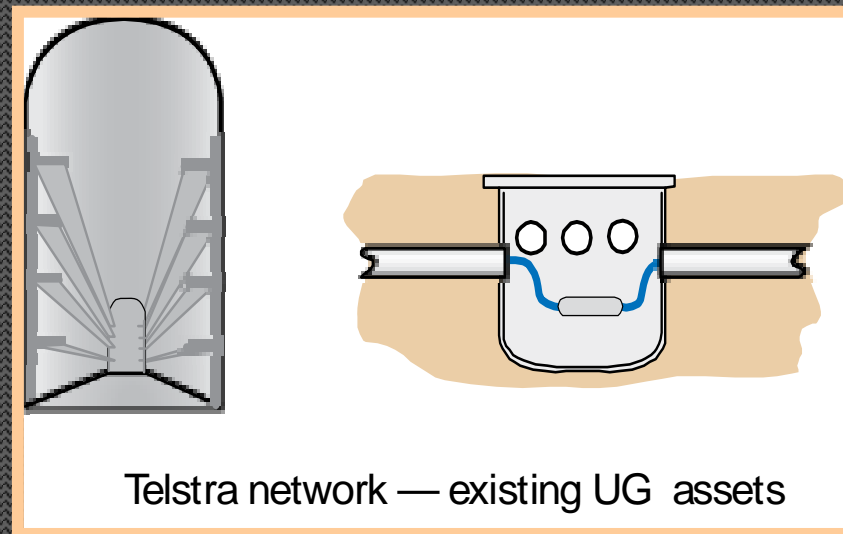
Network underground cabling on existing Telstra infrastructure



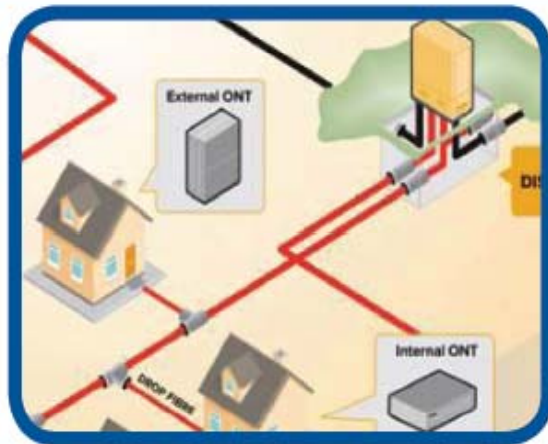
Scenario 2

- Job roles
- Skills & Knowledge
- Training required
- Qualifications & Skill Sets

Network underground cabling on existing Telstra infrastructure



SCENARIO 2: Network underground cabling on existing Telstra infrastructure

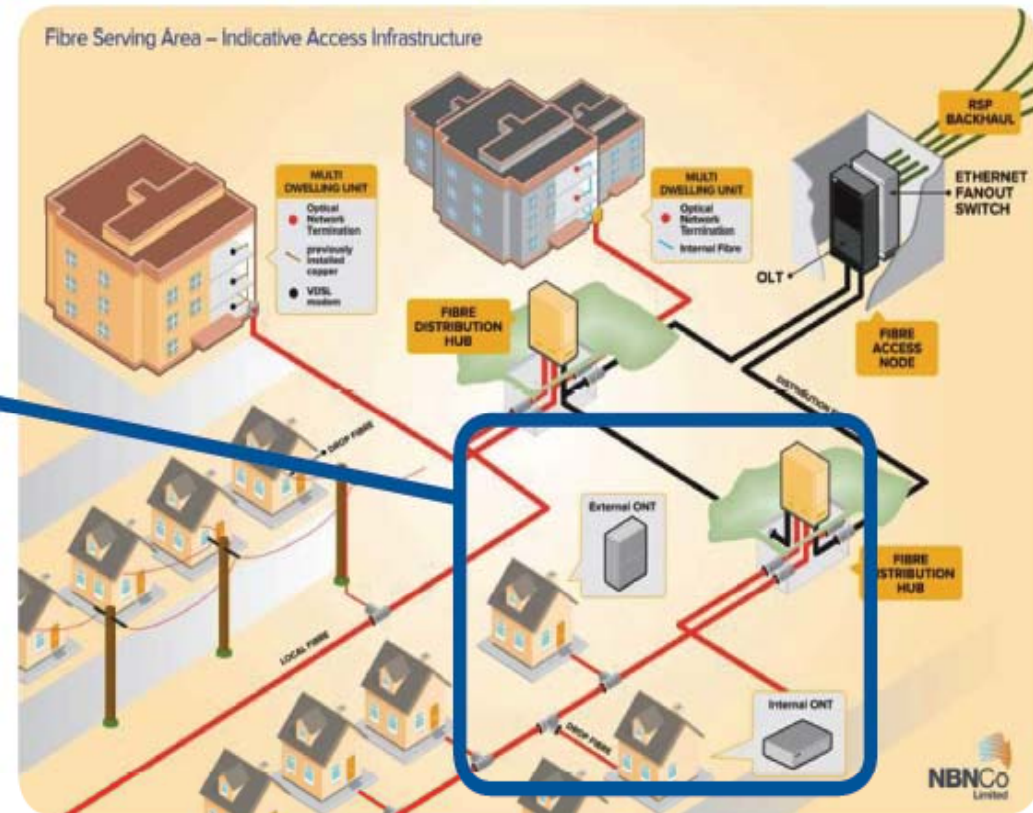


SUGGESTED QUALIFICATION:

ICT20310 CERTIFICATE II IN TELECOMMUNICATIONS CABLING

CORE UNITS:

- BSBSUS201A Participate in environmentally sustainable work practices
- ICTOHS2170A Follow occupational health and safety and environmental policy and procedures
- ICTTEN2007A Use electrical skills in telecommunications work
- ICTTEN2105A Install and test an internet protocol device in convergence networks
- ICTTEN2140A Use hand and power tools



ELECTIVE UNITS:

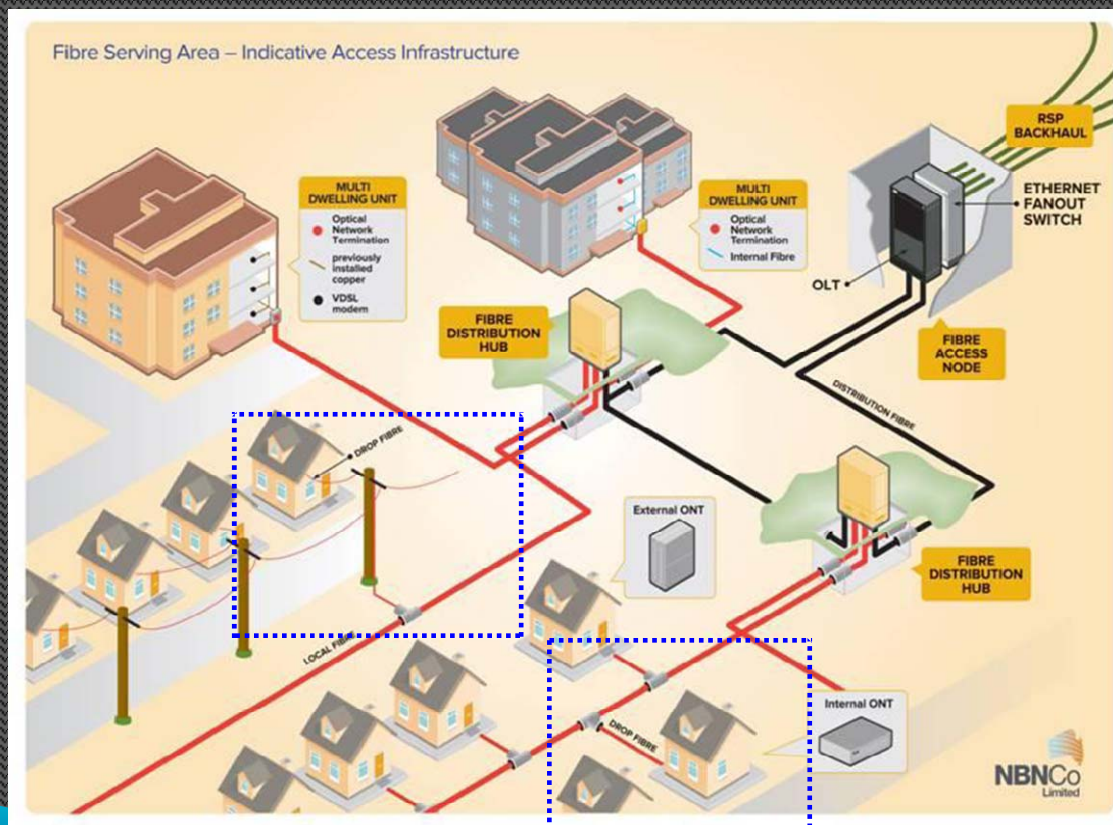
- ICTWOR2141A Work effectively in a telecommunications technology team
- ICTCBL2064A Haul underground cable
- ICTCBL2065A Splice and terminate optical fibre cable for carriers and service providers
- ICTCBL2133A Construct underground telecommunications infrastructure
- ICTCBL2068A Install a telecommunications service to a building

PLUS 2 ADDITIONAL UNITS

Scenario 3

- Job roles
- Skills & Knowledge
- Training required
- Qualifications & Skill Sets

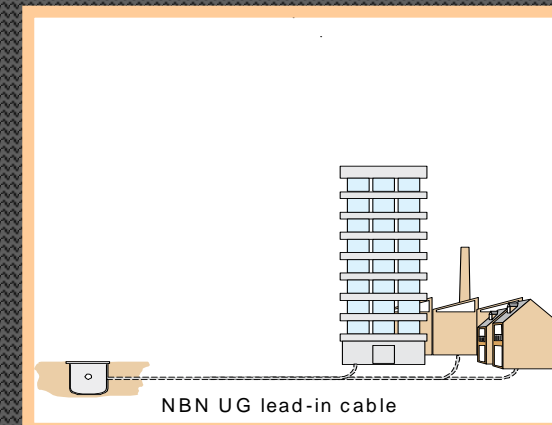
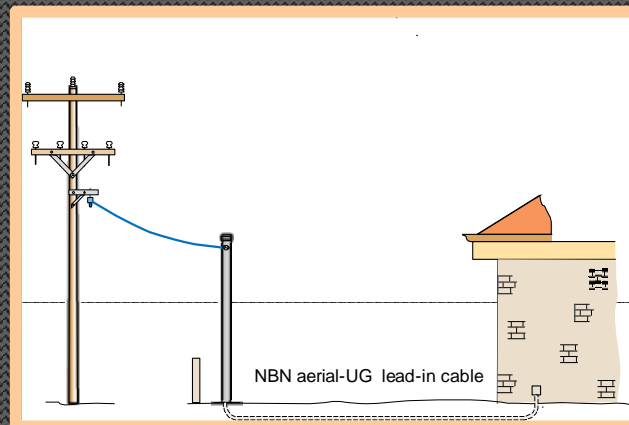
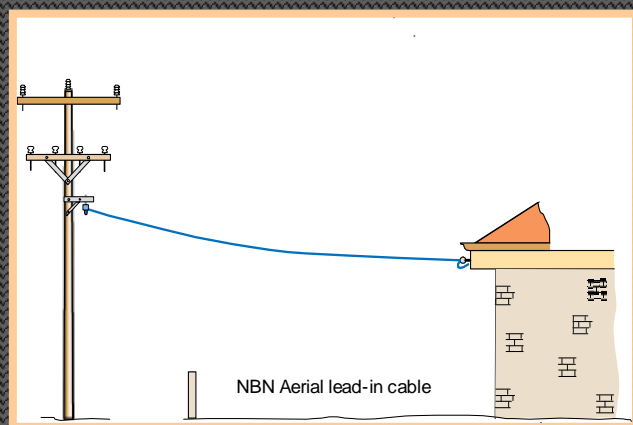
Customer's lead-in cabling (drop fibre)



Scenario 3

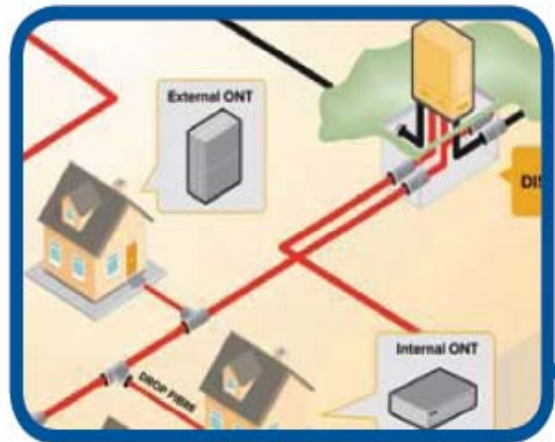
- Job roles
- Skills & Knowledge
- Training required
- Qualifications & Skill Sets

Customer's lead-in cabling (drop fibre)



Can be aerial, underground or combination of both

SCENARIO 3: Customer's lead-in cabling (drop fibre)



CAN BE AERIAL, UNDERGROUND OR COMBINATION OF BOTH

SUGGESTED SKILL SET:

ICTCBL2068A Install a telecommunications service to a building

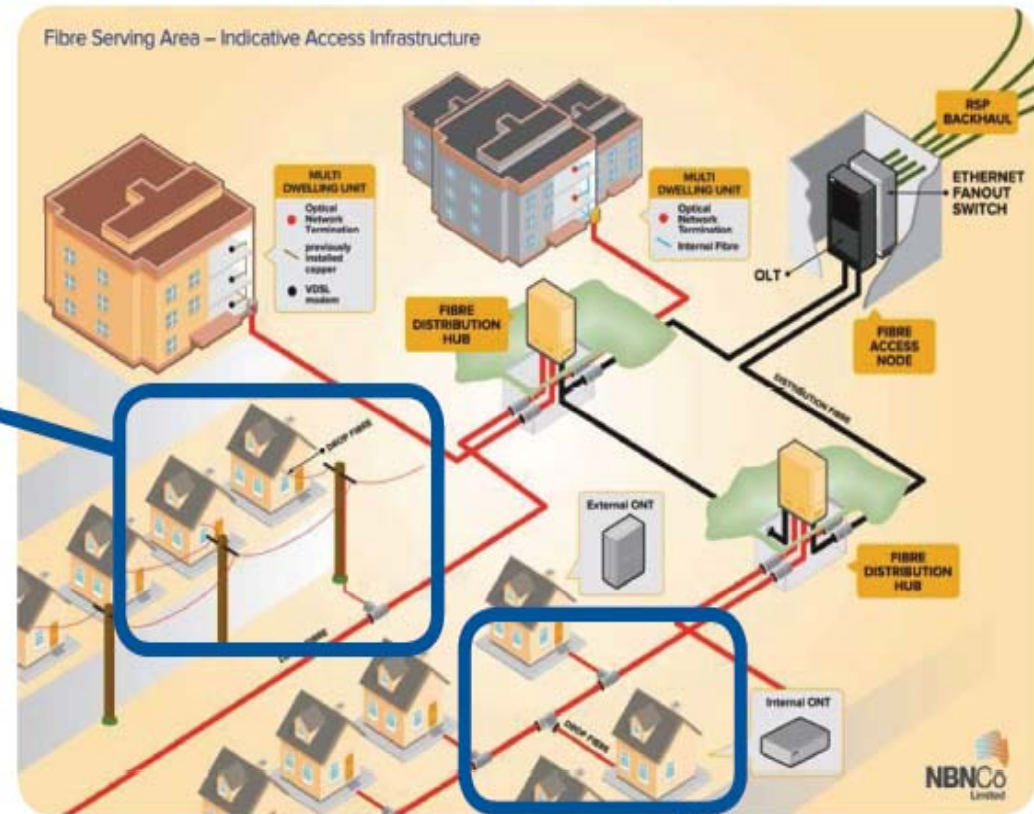
Or

NBN Operatives with network authorisation

Electricians

Lineworkers

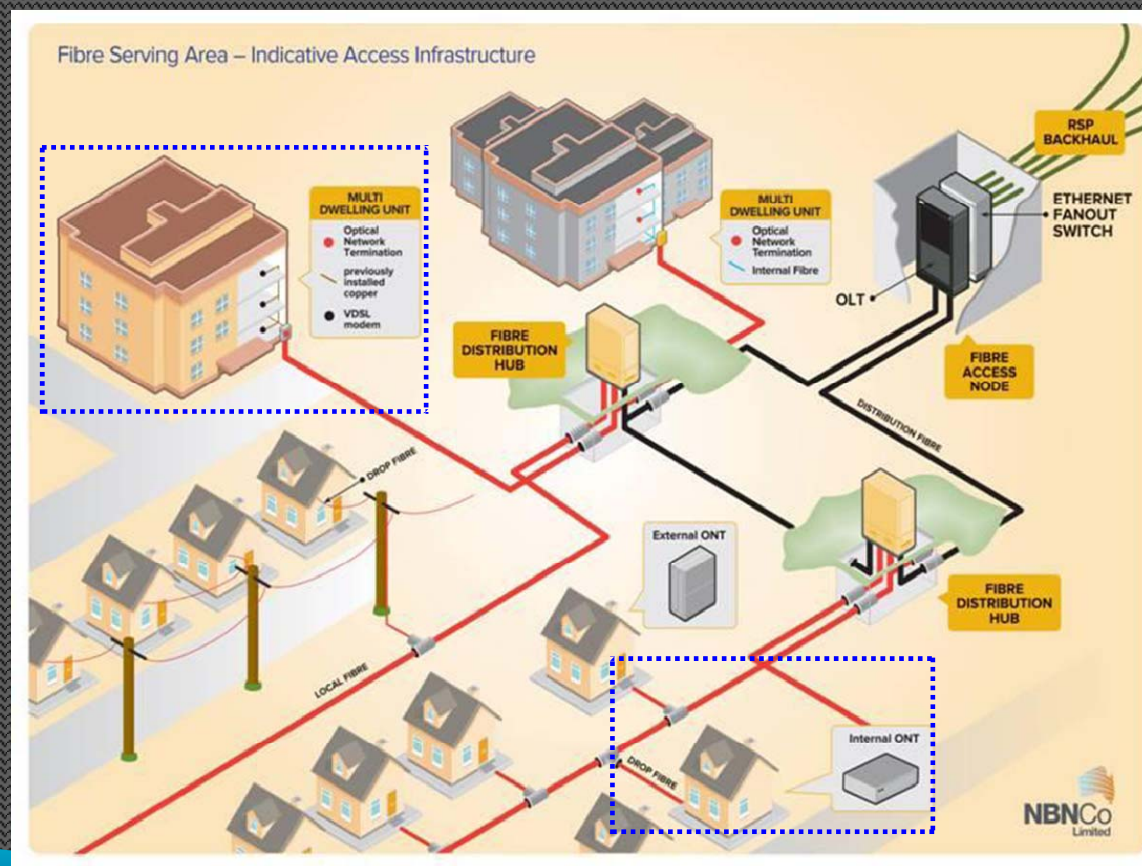
Proposed Qualification & Skill Sets from Scenario 1



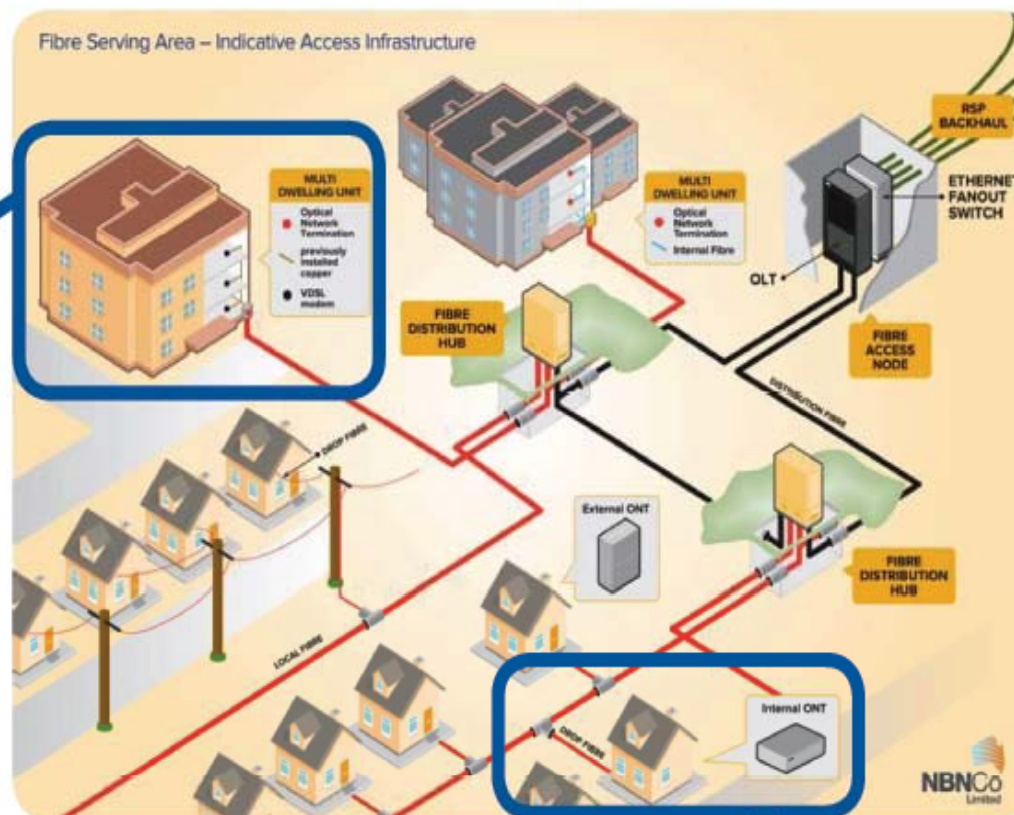
Scenario 4

Customer's internal cabling

- Job roles
- Skills & Knowledge
- Training required
- Qualifications & Skill Sets



SCENARIO 4: Customer's internal cabling



SUGGESTED QUALIFICATIONS:

- UEE30407 Certificate III In Data and Voice Communications
- UEE40209 Certificate IV In Electrical – Data and Voice Communications
- ICT30310 Certificate III In Telecommunications Cabling

OR

SUGGESTED SKILL SETS:

UEE07 TRAINING PACKAGE:

- UEENEEF002B Lay and connect cables for multiple access to telecommunication services
- UEENEEF005B Install and modify Performance data communication optical fibre cabling

ICT10 TRAINING PACKAGE:

- ICTCBL2136A Install, maintain and modify customer premises communications cabling: ACMA Restricted Rule
- ICTCBL2137A Install, maintain and modify customer premises communications cabling: ACMA Open Rule
- ICTCBL3010A Install and terminate optical fibre cable on customer premises



Training Implications

Training Implications

- Registered Training Organisations
- Teachers, Trainers, Mentors
- Funding of training
- Career pathways



Thank You