10.5. Cable Labelling and Registration

Objective

10.5.1. To facilitate cable management, and identify unauthorised additions or tampering.

Context

Scope

10.5.2. This section covers information relating to the labelling of cabling infrastructure installed in secure areas.

Applicability of controls within this section

10.5.3. The controls within this section are applicable only to communications infrastructure located within facilities in New Zealand. For deployable platforms or facilities outside New Zealand, Emanation Security Threat Assessments (Section 10.7) of this chapter of this manual MUST be consulted.

Rationale & Controls

Conduit label specifications

10.5.4.R.01. **Rationale**

Conduit labelling of a specific size and colour will facilitate identifying secure conduits.

10.5.4.C.01. **Control System Classifications(s): All Classifications; Compliance: Must** [CID:2387]

Agencies MUST comply with the conduit label colours specified in the following table.

Classification	Cable colour
Compartmented Information (SCI)	Orange/Yellow/Teal or other colour
TOP SECRET	Red
SECRET	Blue
CONFIDENTIAL	Green
RESTRICTED and all lower classifications	Black

Installing conduit labelling

10.5.5.R.01. **Rationale**

Conduit labelling in public or reception areas should not draw undue attention to the level of classified processing or any other agency capability.

10.5.5.C.01. **Control System Classifications(s): All Classifications; Compliance: Should Not** [CID:2390]

Conduit labels installed in public or visitor areas SHOULD NOT be labelled in such a way as to draw attention to or reveal classification of data processed or other agency capability.

Labelling wall outlet boxes

10.5.6.R.01. **Rationale**

Clear labelling of wall outlet boxes reduces the possibility of incorrectly attaching IT equipment of a lesser classification to the wrong outlet.

10.5.6.C.01. **Control System Classifications(s): Secret, Confidential, Top Secret; Compliance: Must** [CID:2393]

Wall outlet boxes MUST denote the classification, cable and outlet numbers.

10.5.6.C.02. **Control System Classifications(s): All Classifications; Compliance: Should** [CID:2394]

Wall outlet boxes SHOULD denote the classification, cable and outlet numbers.

Standard operating procedures

10.5.7.R.01. **Rationale**

Recording labelling conventions in SOPs facilitates maintenance and fault finding.

10.5.7.C.01. **Control System Classifications(s): All Classifications; Compliance: Should** [CID:2397]

The SOPs SHOULD record the site conventions for labelling and registration.

Labelling cables

10.5.8.R.01. **Rationale**

Labelling cables with the correct socket number, equipment type, source or destination minimises the likelihood of improperly cross connecting equipment and can assist in fault finding and configuration management.

10.5.8.C.01. **Control System Classifications(s): Top Secret, Confidential, Secret; Compliance: Must** [CID:2400]

Agencies MUST label cables at each end, with sufficient information to enable the physical identification and inspection of the cable.

10.5.8.C.02. **Control System Classifications(s): All Classifications; Compliance: Should** [CID:2401]

Agencies SHOULD label cables at each end, with sufficient information to enable the physical identification and inspection of the cable.

Cable register

10.5.9.R.01. **Rationale**

Cable registers provide a source of information that assessors can view to verify compliance.

10.5.9.C.01. **Control System Classifications(s): Top Secret, Confidential, Secret; Compliance: Must** [CID:2404]

Agencies MUST maintain a register of cables.

10.5.9.C.02. **Control System Classifications(s): All Classifications; Compliance: Should** [CID:2405]

Agencies SHOULD maintain a register of cables.

Cable register contents

10.5.10.R.01. **Rationale**

Cable registers allow installers and assessors to trace cabling for inspection, tampering or accidental damage. It tracks all cable management changes through the life of the system.

10.5.10.C.01. **Control System Classifications(s): Secret, Confidential, Top Secret; Compliance: Must** [CID:2408]

The cable register MUST record at least the following information:

- cable identification number;
- classification;
- socket number, equipment type, source or destination site/floor plan diagram; and
- seal numbers if applicable.

10.5.10.C.02. **Control System Classifications(s): All Classifications; Compliance: Should** [CID:2409]

The cable register SHOULD record at least the following information:

- cable identification number;
- classification;
- socket number, equipment type, source or destination site/floor plan diagram; and

- seal numbers if applicable.

Cable inspections

10.5.11.R.01. **Rationale**

Regular cable inspections, are a method of checking the cable management system against the cable register as well as detecting tampering, damage, breakages or other anomalies.

10.5.11.C.01. **Control System Classifications(s): All Classifications; Compliance: Should** [CID:2412]

Agencies SHOULD inspect cables for inconsistencies with the cable register in accordance with the frequency defined in the SSP.