

Standards Alert

Part of the Energy Queensland Group

Subject: Network Physical Security Design Reference	Control Ref No: StdsA579
	Date Issued: 27/05/2020
	Supersedes:
For Policy/Procedure/Manual: STNW 3039	Expiry Date: 31/12/2023
Originating Dept: Asset Standards: - Substation Standards	
Target Audience: EQL / Northern /Southern / SouthEast	

1. Amendment Record

Version	Date	Author	Amendments
Initial	27/05/2020	J Lansley	Initial Issue

2. Objective

The outline of this Network Physical Security Design Reference is to provide planners and designers the baseline physical security controls for various asset types within the Energy Queensland Limited (EQL) Network Asset portfolio. This document has been produced in conjunction with Corporate Security Department and with comments from stakeholders. This document takes precedence over previous legacy documents:

- Energex RED 375 – Substation Security - Key Tactical and Operational Requirements
- Ergon SS-1-9.5 – Substation Physical Security and Monitoring

3. Introduction

The purpose of This Document is to provide guidance to achieve a consistent approach to applying physical security controls for Network assets and is targeted at EQL internal stakeholders, consultants and architects for the design and application of physical security controls consisting of electronic security systems. This document is not intended to be a detailed design.

This Document does not cover physical security for Non-Network Assets such as corporate offices, depots, distribution centres, training centres, pole yards or other assets such as remote & embedded generation sites.

The scope of This Document is limited to guidance on the provision of physical security measures for Network Assets including:

- Bulk Supply Substations;
- Zone Substations; and
- Telecommunication sites

4. Key Aspects of Design Reference

The document highlights the following key aspects:

Page 1 of 2	<i>This Standards Alert will remain in force until either the expiry date is exceeded, or update of the relevant sections of the specified manuals has occurred.</i> stdsa579 - network security design reference release notification	Dept Head J Lansley
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- Substation security risk assessments
- Primary and secondary controls
- Classification of criticality
- Security zones within the substation
- Implementation guidance for physical security controls (primary and secondary) based on criticality of the site.

4.1. Additional secondary controls

The following controls will be available options, depending on site criticality:

- Access Control Systems;
- Intrusion Detection Systems;
- Closed Circuit Television (CCTV);
- Electric Fence/Fence Detection Systems;
- Intercom System and Public Address (PA) systems; and
- Perimeter Intruder Detection Systems.

5. Update to Manuals

An updated copy of STNW 3039 is available via the Asset Standards intranet site or via the RED/Process Zone document system for internal staff.

The up-dated manual is available to external service providers via the internet. The Manual is an uncontrolled document when printed.

6. Further Information

For further information, please contact John Lansley, Phone Number +61-7-3664-4666, email (john.lansley@energyq.com.au) or Paul Thompson, Corporate Security Phone Number +61-7-3664-8122 email paul.thompson@energyq.com.au