

Standards Alert

Part of the Energy Queensland Group

Subject: StdsA528 Site Specific Substation Fire Risk Assessment	Control Ref No: StdsA528
	Date Issued: 29/10/2019
	Supersedes:
For Policy/Procedure/Manual: STNW3035 & RED 1886	Expiry Date: 29/10/2021
Originating Dept: Substation Standards	
Target Audience: EQL	

1. Amendment Record

Version	Date	Author	Amendments
Initial	29/10/2019	John Lansley	Initial Issue

2. Purpose

The requirements for fire protection in substations are laid out in the joint standard STNW 3035 (Ergon) and RED 1886 (Energex). Clause 5.3 in this standard lays out the requirement under AS2067 for HV substations where a site specific risk assessment on the fire risk at a substation should be undertaken. An Excel based tool has been created to undertake these risk assessments

3. Site Specific Fire Risk Assessment Tool

The tool is an Excel based spreadsheet. It calculates the consequence and likelihood of a fire event and looks at what mitigations are in place to control the likelihood. From there it is given a score in accordance with the 6 x 6 Network risk matrix.

The tool can be used when assessing the risk of fire at new and existing substation sites, to determine if additional control measures are required or if existing systems due to be replaced (e.g. Pyrozone CO2 systems) can be decommissioned without replacement.

4. Update to Manuals & Location of Tool

There are no updates to either STNW 3035 (Process Zone) or 1886 (RED).

The risk assessment tool is available on the Substation Standards SharePoint site:

<https://energyqonline.sharepoint.com/sites/SubstationStandards/SitePages/Home.aspx>

Under [Substation Design Tools](#) and [Consolidated Standards Listing – Fire Protection in Substations](#)

5. Further Information

For further information, please contact John Lansley, Phone Number (07) 3664 4666, email john.lansley@energyq.com.au.

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