

Victorian Assets Electricity Safety Management Scheme



TransGrid is committed to delivering a safe and reliable network for the benefit of its stakeholders, including consumers, contractors and the public.

We achieve this through implementing an Electricity Safety Management Scheme (ESMS) that is compliant with the requirements of *AS5577 Electricity Network Safety Management Systems*.

AS5577 outlines the specific risk management activities TransGrid must undertake to provide this safe network. Compliance with AS5577 is guided by the requirements of the:

- > *Electricity Safety Act 1998 (Vic)*
- > *Electricity Safety (Management) Regulations 2009 (Vic)*.

Objective of the ESMS

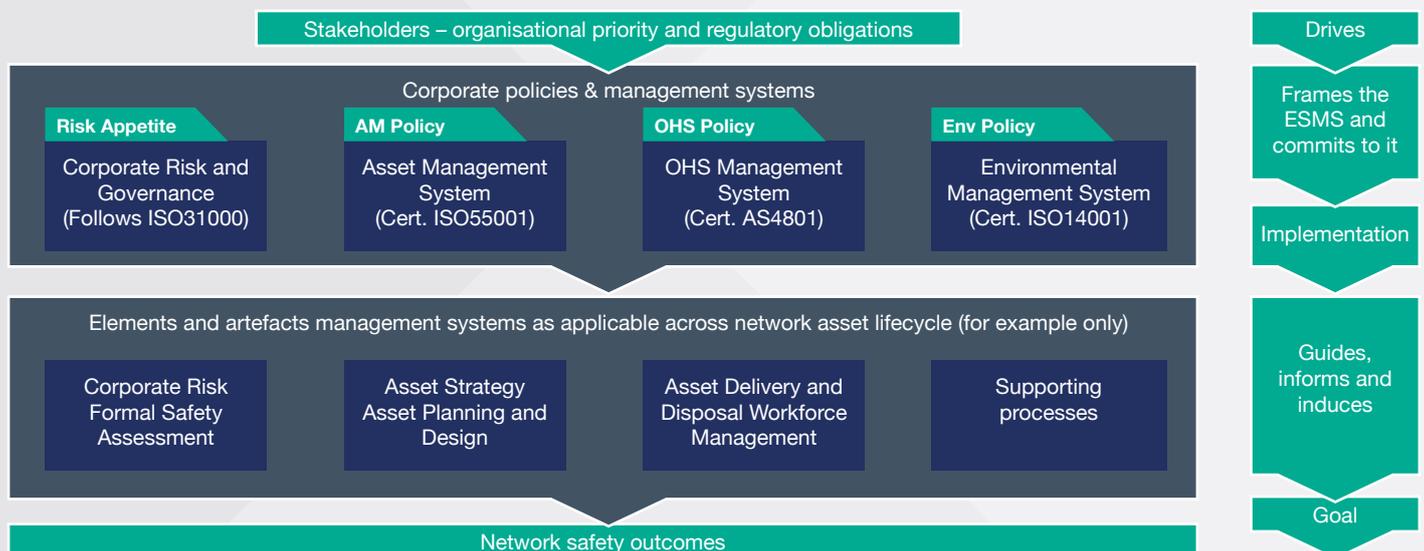
TransGrid is required to implement an ESMS to ensure:

- > the safety of the public, and persons near or working on electricity transmission network assets
- > the protection of property and network assets
- > safety aspects arising from the protection of the environment, including protection from ignition of fires by network assets
- > safety aspects arising from the loss of electricity supply.

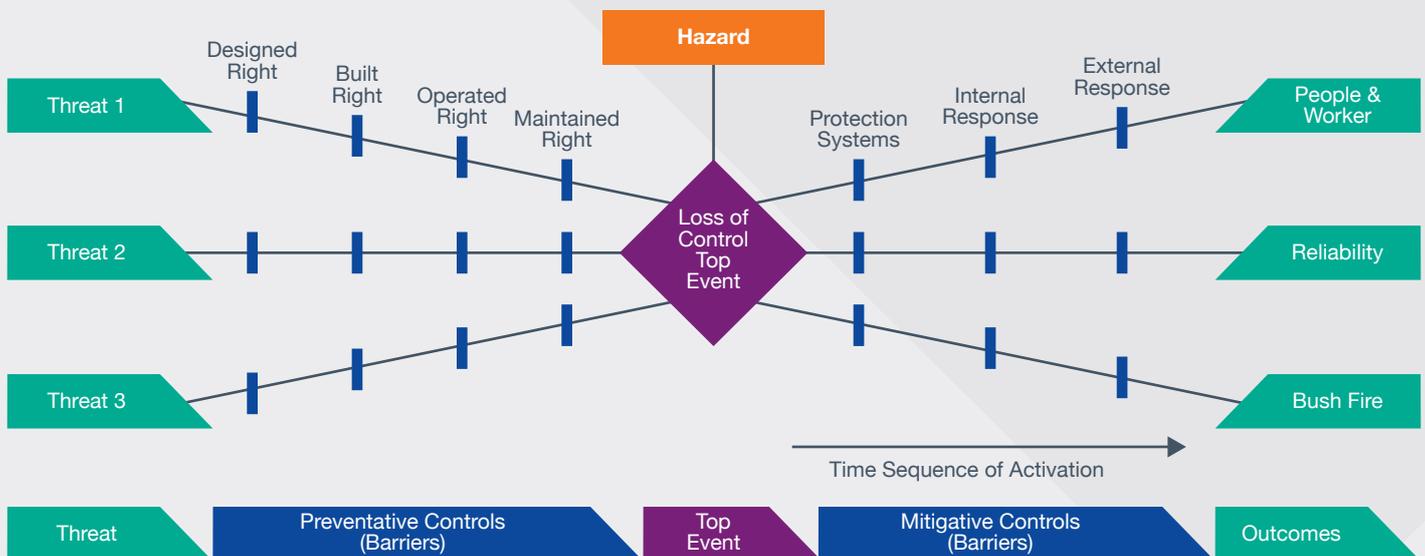
We achieve this by complying with the requirements of AS5577 that state: *“Hazards associated with the design, construction, commissioning, operation, maintenance and decommissioning of electrical networks are identified, recorded, assessed and managed by eliminating safety risks so far as is reasonably practicable, and if it is not reasonably practicable to do so, by reducing those risks to as low as reasonably practicable.”*

Implementation at TransGrid

Our Health and Safety (OHS), Environment (Env) and Asset Management (AM) Policies guide a systematic and robust approach to the consideration of safety across the planning, design, construction, commissioning, operation, maintenance and decommissioning of the electricity transmission network assets, and demonstrate our commitment towards electricity network safety.



The figure on the previous page shows the implementation of TransGrid's ESMS. This demonstrates that the ESMS consolidates core management systems to deliver a safe and reliable transmission network to the consumer, industry and the environment.



The ESMS includes a formal safety assessment. This identifies the controls required to ensure that network safety related risk is as low as reasonably practicable in accordance with electrical and worker safety regulations. TransGrid utilises the bow-tie method for this analysis to identify preventive and mitigative controls. These either prevent the loss of control of a hazard or, if lost, mitigate the consequences.

These controls are implemented through processes and procedures that make up each of TransGrid's Asset, Health and Safety, and Environment Management Systems.

Supporting the ESMS, TransGrid has developed the following two artefacts as required by Victorian legislation:

- > **Bushfire Mitigation Plan** – describes the processes under which TransGrid manages its obligations under the *Electricity Safety (Bushfire Mitigation) Regulations 2013 (Vic)* to manage bush fire risk emanating from TransGrid's assets. This details specific requirements for completion of inspections and prioritisation of defects both prior to and during the bushfire risk period
- > **Electric Line Clearance Management Plan** – outlines how TransGrid maintains its obligations under the *Electricity Safety (Electric Line Clearance) Regulations 2015 (Vic)* to:
 - maintain a safe clearance between electric lines and vegetation
 - ensure the regular and competent inspection of TransGrid's easements.

Public versions of these documents are available on the TransGrid website under 'Our Network'.

Maintaining a Compliant System

TransGrid ensures the ongoing compliance to its obligations through regular management review of key performance indicators and external reviews and audits.

For further details on TransGrid's Electricity Network Safety Management, please email community@transgrid.com.au.

Contact Details

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Our business hours are 8:30am – 5:00pm