

# Electrical Safety Plan for Queensland 2018–2022

## Electrical safety vision for Queensland

Prevention of death, injury and destruction of property caused by electricity

## Electrical Safety Board (ESB) role

Lead and enable all aspects of electrical safety in Queensland, as technology, workforce, skills and community expectations change

## ESB activities

- Policy and legislative advice
- Safety leadership
- Stakeholder engagement

## ESB external brand values

- Leaders in electrical safety
- Strong electrical safety collaborators
- Change/transition facilitators
- Proactive and responsive
- Trusted

## Strategic themes/objectives

## Five year key outcomes

## Performance measurement

## Strategic risk areas

Drive safety leadership at all points along the supply chain

- Electrical industry committed to safety leadership cultural change
- Industry transition to matching technical focus with a safety focus

Research and understand emerging technologies and potential impacts on electrical safety

- ESB established as the industry thought leader on the electrical safety impacts of emerging technologies

Improve workforce skills and competence to respond to existing and emerging risks

- Uplift industry competencies and continuing professional development
- New skills aligning with emerging technologies

Control the global supply risk through design and quality standards

- Effective state and national EESS
- Improvement in quality of equipment supply
- Reduction in fire incidents as a result of electrical equipment failure

Align regulatory framework with community and industry change

- Fit-for-purpose and contemporary legislative framework to eliminate electrical safety risk

**Workplace electrical safety incidents/injuries (worker)**

- Serious electrical incidents (SEI)
- Electricity related hospital admissions
- Fatalities

**Community electrical safety incidents/injuries (non-worker)**

- Serious electrical incidents (SEI)
- Electricity related hospital admissions
- Fatalities

**Industry engagement and safety leadership**

- Positive electrical safety workplace cultures
- Voluntary reporting/engagement
- Electrical safety leadership engagement
- “New” skill development responding to emerging technologies

**Community awareness and behaviour**

- Awareness and perceptions of electrical safety risks within the community

**Emerging technology risk**

- Unknown impact of new technologies on electrical safety

**Economic risk**

- Impact of business cost pressures on safety practices

**Engagement risk**

- Lack engagement/impact with industry

**Capability risk**

- ESB is not strategic enough and lacks resources to gain traction
- Lack of data or information to accurately assess industry safety issues/performance
- Legislation does not keep pace with community and industry change

# Focus themes for next five years

(as at July 2017, based on industry consultation)

Five year focus issues

	Electrical industry supply chain	Electrical supply and networks	Electrical workers	Others who work near and with electricity	Electrical equipment manufacturers	Home owners	General community
1. Safety leadership			<ul style="list-style-type: none"> <li>Risk education</li> <li>Safety Management Systems</li> </ul>		<ul style="list-style-type: none"> <li>National EESS</li> <li>Safe/unsafe product</li> <li>Product due diligence</li> </ul>	<ul style="list-style-type: none"> <li>Awareness/education campaigns</li> </ul>	<ul style="list-style-type: none"> <li>Awareness/education campaigns</li> </ul>
2. Emerging technologies	<ul style="list-style-type: none"> <li>Smartgrid skills and knowledge</li> </ul>		<ul style="list-style-type: none"> <li>Battery installation</li> <li>Training on new technologies</li> </ul>	<ul style="list-style-type: none"> <li>Battery installation</li> <li>Training on new technologies</li> </ul>	<ul style="list-style-type: none"> <li>Renewables</li> <li>Automation</li> </ul>	<ul style="list-style-type: none"> <li>Off-grid technologies</li> <li>Home electrical maintenance</li> </ul>	<ul style="list-style-type: none"> <li>Risks to public safety from new technologies</li> </ul>
3. Workforce skills and competence			<ul style="list-style-type: none"> <li>Licensing – new</li> <li>Licensing – renewals (skills maintenance)</li> <li>CPD training</li> </ul>	<ul style="list-style-type: none"> <li>Overhead exclusion zones</li> </ul>			
4. Global supply risk – design and quality			<ul style="list-style-type: none"> <li>Apprenticeships</li> </ul>				
			<ul style="list-style-type: none"> <li>“Middle market” design gap</li> </ul>		<ul style="list-style-type: none"> <li>National EESS</li> <li>Safe/unsafe product</li> <li>Product due diligence</li> </ul>		
					<ul style="list-style-type: none"> <li>Standards</li> </ul>		
5. Regulatory framework	<ul style="list-style-type: none"> <li>SmartGrid</li> </ul>		<ul style="list-style-type: none"> <li>Training quality/ RTO performance</li> </ul>		<ul style="list-style-type: none"> <li>EESS compliant product</li> </ul>	<ul style="list-style-type: none"> <li>Home maintenance including batteries, solar, smoke alarms</li> </ul>	
						<ul style="list-style-type: none"> <li>Home sale certificates, RCDs.</li> </ul>	

● Immediate focus (1–2 years)

● Medium term focus (3–5 years)