

Network Capability Incentive Parameter Action Plan (2014-2019)

Project Number	7
Project Priority	2
Transmission Circuit / Injection Point	Various circuits and connection sites across the network
Project	Maintenance of prescribed special protection schemes (SPS)
Scope of works	The continued testing, updating and maintenance of prescribed special protection schemes
Reasons to undertake the project	<p>Approximately 26 SPSs provide a variety of functions including, but not limited to;</p> <ul style="list-style-type: none"> • Prevention of voltage collapse (SSSPS, SPS-008,) • Prevention of transformer overloads (SPS- 007, 013, 013a, 015, 016, 017, 018, 020,023) • Contingency arming schemes (SPS -010, 011, 012) • Over load protection of transmission lines (SPS-009) <p>Future operational investment in these systems will continue to mitigate the risk of Transend's assets and/or transmission system causing market constraints.</p> <p>A reduction in operational investment in these systems would be likely to result in Transend investing significant capital expenditure to increase asset capability through the construction of major plant.</p>
Current value of the limit	Various.
Target limit	Various.
Priority project improvement target	Continued testing, updating and maintenance of prescribed special protection schemes
Completion date	June 2019
Capital cost	\$0 (schemes already exist)
Operational cost	\$150K
Market benefit	Avoiding constraints on generation , preemptive load shedding and reduced capital expenditure. Together with Project #6 this project has a combined annualised market benefit of \$15,200,000.