SA Power Networks

Technical Standard – TS105A (Forms)

Standard Forms for SA Power Networks Underground & Overhead Electricity Distribution and Sub-Transmission Cable Networks

Published: 25 September 2026



Revision Notice:

Date	Details	Author	Authorised
22 September 2020	• Added TS105 F75 (transferred from TS107)	A Pradhan	M Napolitano
25 September 2026	• Headings and structure modified to reflect latest standard template. • Updated Disclaimer. • Added New Form: ✓ TS105 F11 - Schneider Automated Load Switch RL Tank with ADVC Controller Test Record • Updated Appendices A.1: ✓ Added TS105 F11 to Equipment Test Forms ✓ Added TS105 F5 to TS105 F10 to Asset Information Forms. • Updated Appendices A.2: ✓ Added TS105 F11 ✓ Added TS105 F5 to TS105 F10 to Contestable (URD) and Regulatory (Non-Contestable & PLEC) Project Work. ✓ Appendix A.3 consolidated into A.2.	D Teng	M Pynn

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1. Introduction

This technical standard contains links to standard forms in interactive PDF format, which are required as part of SA Power Networks' **Civil and Electrical Works Compliance** and are important for recording accurate asset information.

These standard forms are applicable to all parties, whose activities are associated with SA Power Networks electricity distribution and sub-transmission networks, and which will become a component of SA Power Networks' infrastructure. This also includes electricity supplies to customers installed as a connection point from existing low voltage mains.

This technical standard form series **does not** include the requirements for customers and their agents in relation to third-party device attachments, electrical installations connected to or intended to be connected to SA Power Networks Stobie poles or public lighting columns, please refer to TS116 for more details.

2. General Process

This technical standard provides easy access to all personnel including external contractors (i.e. Contestable or Non-Contestable works) involved in the planning, design, selection, construction, inspection and or testing activities associated with SA Power Networks' electricity distribution and sub-transmission cable system. The following steps outline the general process for using the standard forms:

1. Click on required hyperlinked forms listed in Appendices A.2 and A.3: 'Forms Grouping as per Project Works' and download the forms and save them in your folder.
   (a) Note that you shall download a fresh copy of the form for each project/job.
   (b) Also note that SA Power Networks regularly update these forms.
2. Once downloaded you can use the forms on-site (i.e. when away from desktop environment).
   (a) Fill the form on-site and record data directly on the interactive PDF form.
   (b) Save asset data entered on your flash drive or CD.
3. The interactive PDF format is flexible, which allows editing data entry, filing, archiving.
4. On completion, email files to SA Power Networks as specified on the individual form.
5. We do not recommend hard paper photocopying, printing, scanning, or faxing of forms; however, forms completed in this way are also acceptable.

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3. Project Works

Part of our Network Management acceptance and sign off to **SA Power Networks Civil and Electrical Infrastructure Works Compliance** and issuing of the **Authority to Proceed-Connection and Energise** is that the Contractor/Constructor is required to supply all the relevant test sheets completed and in full.

There are three (3) types of projects works:

1. Contestable Project Works (e.g. URDs)
2. Regulated Project Works (e.g. PLEC, Non-Contestable)
3. Major Project Works (e.g. 66kV)

3.1 Contestable Project Works (e.g. URDs)

For any Contestable Project Works (e.g. URDs) conducted by the third party and asset will be vested to SA Power Networks, the forms TS105 Part A and TS105 Part B must be submitted at least **10 business days** prior to commencement, along with all applicable forms that are listed in the column of Appendices A.2 and A.3: 'Forms Grouping as per Project Works'.

3.2 Regulated Project Works (e.g. PLEC, Non-Contestable)

For any Regulated Project Works (e.g. PLEC, Non-Contestable) conducted on the asset owned by SA Power Networks, the forms TS105 Part A and TS105 Part B must be submitted at least **10 business days** prior to commencement, along with all applicable forms that are listed in the column of Appendix A.2: 'Forms Grouping as per Project Works'.

3.3 Major Project Works (e.g. 66kV)

For Major Project Works (e.g. 66kV), the forms TS105 Part C and TS105 Part D must be submitted at least **10 business days** prior to commencement, along with all applicable forms that are listed in the column of Appendix A.2 'Forms Grouping as per Project Works'.

4. Non-Project Works

The works/activities carried out for Asset Routine Inspection, Periodic Maintenance, Accidental Pole Replacement, Luminaire Replacement, Emergency and similar, are considered as **Non-Project Works**.

For Non-Project Works, the form TS105 Part E must be submitted along with all applicable forms that are listed in the column of Appendix A.2 'Forms Grouping as per Project Works'.

5. Non-Compliance

Our authorities may conduct audits and inspections to verify compliance with this document. Non-compliance with this document could result in one or all penalties being imposed on the offending party at the discretion of our authorities, such as:

1. Impose financial penalties as prescribed within the SA Electricity Act 1996 & SA Electricity (General) Regulations 2012 and SA WHS Act 2012 & SA WHS Regulations 2012.
2. Recover all costs associated with the repair of damaged infrastructure.
3. Issue a directive to cease work and or removal of the offending person from the site.
4. Ban an offender from working near SA Power Networks infrastructure until further notice.
5. May withdraw a company's endorsement with SA Power Networks.

Note: Where SA Power Networks as an Asset Owner apply any of the above penalties, SA Power Networks may advise all other asset owners of the details.

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6. Who You Should Talk To?

1. **SA Power Networks' Customer Solutions Managers:**

   - Website: https://www.sapowernetworks.com.au/public/download.jsp?id=315697

2. **General Enquiries:**

Contact SA Power Networks' Customer Service Team:

- Website: https://www.sapowernetworks.com.au/contact-us
- Email: customerservice@sapowernetworks.com.au
- Call: 13 12 61

3. **Faults and Emergencies:**

Contact SA Power Networks for a 24/7 phone line:

- Call: 13 13 66

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Appendices

A.1 Types of Forms (Complete Listing)

Main Forms	
TS105 Part A	Project Details - Contestable Project Works (or) Regulated Project Works
TS105 Part B	Index of Forms - Contestable Project Works (or) Regulated Project Works
TS105 Part C	Project Details - Major Project Works
TS105 Part D	Index of Forms - Major Project Works
TS105 Part E	Index of Asset Information Forms - Non-Project Works
Civil Works Notification & Compliance Forms	
TS105 C1	SA Power Networks Civil Infrastructure Works Notification Form
TS105 C2	SA Power Networks Civil Infrastructure Works Compliance Form
Electrical Works Compliance Forms	
TS105 F1	Authority to Proceed Request (ATPR) - For Electrical Contractor
TS105 F2	Documentation - Check List
TS105 F3	SA Power Networks Full Electrical Infrastructure Works Compliance Form
TS105 F4	SA Power Networks Partial Electrical Infrastructure Works Compliance Form
Asset Information Forms	
TS105 F5	Transformer Asset Information
TS105 F6	Recloser/Controller/Sectionaliser/Load Switch/Fuse Asset Information
TS105 F7	Switching Cubicle Asset Information
TS105 F8	Voltage Regulator Asset Information
TS105 F9	Capacitor Bank Asset Information
TS105 F10	Pole/Column/Lamp Asset Information
Notification of Contractor Works Program Form	
TS105 F20	SA Power Networks Notification of Contractor Works Program
Equipment Test Form	
TS105 F11	Schneider Automated Load Switch RL Tank with ADVC Controller Test Record
TS105 F30	UG HV and LV Equipment Test Form
Certificate of Test - Underground Asset	
TS105 F35	Certificate of Test - Earth Stake Test - Transformer/Switching Cubicle
TS105 F36	Certificate of Test - Additional Earth Stake
TS105 F37	Certificate of Test - Earth Stake Test for Cut Rods - Pits
TS105 F38	Certificate of Test - Earth Stake Bore Log
Construction Check Forms	
TS105 F39	Construction Check - Switching Cubicle
TS105 F41	Construction Check - Padmount Transformer
TS105 F42	Construction Check - Pits and Pillars
TS105 F43	Construction Check - Public Lighting
TS105 F44	Construction Check - Cable Traceability and Drum Numbers
TS105 F45	Test Equipment Calibration Check

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Certificate of Test - Overhead Asset	
TS105 F60	Certificate of Test - Pole Footings
TS105 F61	Certificate of Test - Poles
TS105 F62	Certificate of Test - Overhead LV Construction
TS105 F63	Certificate of Test - LV Combined Construction - O/H and UG at O/U Pole
TS105 F64	Certificate of Test - O/H and Over/Under Services
TS105 F65	Certificate of Test - Overhead HV Construction
TS105 F66	Certificate of Test - O/H and URD O/U Construction
TS105 F67	Certificate of Test - O/H Transformer Construction
TS105 F68	Certificate of Test - O/H Public Lighting Construction
TS105 F69	Certificate of Test - BBCC
TS105 F70	Certificate of Test - ABC - HV
TS105 F71	Certificate of Test - ABC - LV
TS105 F72	Certificate of Test - IUC
TS105 F73	Certificate of Test - Earth Stake - Poles
TS105 F74	Certificate of Test - Earth Stake Test - For Cut Rods - Poles
TS105 F75	Certificate of Test - Overhead Conductor Measurement Sheet

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A.2 Forms Grouping as per Project Works

Contestable (URD) and Regulatory (Non-Contestable & PLEC) Project Works	Major Project Works (e.g. 66kV)	Asset Information Forms (Non-Project Works)
Main Forms		
TS105 Part A Project Details - Contestable Project Works (or) Regulated Project Works	TS105 Part C Project Details - Major Project Works	TS105 Part E Index of Asset Information Forms - Non-Project Works
TS105 Part B Index of Forms - Contestable Project Works (or) Regulated Project Works	TS105 Part D Index of Forms - Major Project Works	
Asset Information Forms		
TS105 F5		TS105 F5
TS105 F6		TS105 F6
TS105 F7		TS105 F7
TS105 F8		TS105 F8
TS105 F9		TS105 F9
TS105 F10		TS105 F10
Civil Works Notification & Compliance Forms		
TS105 C1 (Civil Works - Notification)	TS105 C1 (Civil Works - Notification)	
TS105 C2 (Civil Works - Compliance)	TS105 C2 (Civil Works - Compliance)	
Electrical Works Compliance Forms		
TS105 F1 (Authority to Proceed - ATP)	TS105 F1 (Authority to Proceed Request - ATPR)	
TS105 F2 (Documentation - Check List)	TS105 F2 (Documentation - Check List)	
TS105 F3 (Electrical Works Compliance - Full)	TS105 F3 (Electrical Works Compliance - Full)	
TS105 F4 (Electrical Works Compliance - Partial)	TS105 F4 (Electrical Works Compliance - Partial)	
Notification of Contractor Works Program Form		
TS105 F20		

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↑ TABLE CONTINUED FROM PREVIOUS PAGE ↑		
Contestable (URD) and Regulatory (Non-Contestable & PLEC) Project Works	**Major Project Works (e.g. 66kV)**	**Asset Information Forms (Non-Project Works)**
Equipment Test Form		
TS105 F11		
TS105 F30		
Certificate of Test - UG Asset		
TS105 F35		
TS105 F36		
TS105 F37		
TS105 F38		
TS105 F39		
Construction Check Forms		
TS105 F41		
TS105 F42		
TS105 F43		
TS105 F44		
TS105 F45		
Certificate of Test - OH Asset		
TS105 F60		
TS105 F61		
TS105 F62		
TS105 F63		
TS105 F64		
TS105 F65		
TS105 F66		
TS105 F67		
TS105 F68		
TS105 F69		
TS105 F70		
TS105 F71		
TS105 F72		
TS105 F73		
TS105 F74		
TS105 F75		

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