



A message from Technical Standards



CitiPower/Powercor Technical Standards Update for July 2021

Please ensure that this information is passed on to all employees and contractors within your organisation.

The following updates are relevant to all technical, field employees and contractors undertaking design, construction and maintenance activities on the CitiPower and Powercor networks.

Technical Standards are available on our [Contractor Portal](#).

*All new design and construction proposals commenced after the **11 September 2021** are required to comply with these updates.*

If you have further questions, please contact the relevant team member associated with the published documents.

Standard Category	Technical Standard	Description	Overview	Impacted Key Stakeholder(s)
D - General	DE011	Distribution Construction Standard - Connectors - Application	Standards updated to include new aluminium PG clamp with tinned copper D loop. Contact: Darren Martini - (03) 9683 4738	DESIGN CONSTRUCTION MAINTENANCE
	DE121	Distribution Construction Standard - Connectors - D Loops		
	DE366-395	Distribution Material Standard - D Loops, Clamps & IPC		

<i>Standard Category</i>	<i>Technical Standard</i>	<i>Description</i>	<i>Overview</i>	<i>Impacted Key Stakeholder(s)</i>
D - General	DC111	Distribution Construction Standard - Clearances - Above Ground, Roads, Rails or Water	<p>Standards updated with limit state design requirements to meet compliance with AS/NZS7000. Standards also updated to clarify tramway system clearances and improve the application methodology of vibration dampers.</p> <p>Contact: Madhuka Ganegoda - (03) 9683 4267</p>	<p>DESIGN CONSTRUCTION MAINTENANCE</p>
	DC121	Distribution Construction Standard - Clearances - Aerial Service Lines & Other Cable Systems, Ground Clearance		
E - Overhead	EA001	Distribution Construction Standard - Overhead - General Information		
	EC031	Distribution Construction Standard - Conductors - Physical Data		
	EC131	Distribution Construction Standard - Conductors - Sag & Tension Data Application		
	EC201	Distribution Construction Standard - Conductors - Sag & Tension Tables		
	EF002	Distribution Construction Standard - Insulators & Attachments - Line Pin Insulators		
	EF003	Distribution Construction Standard - Insulators & Attachments - Line Post Insulators		
	EF007	Distribution Construction Standard - Insulators & Attachments - Shackle Insulators		
EF031	Distribution Construction Standard - Insulators & Attachments - Armour Rods & Vibration Dampers			

Standard Category	Technical Standard	Description	Overview	Impacted Key Stakeholder(s)
F - Public Lighting	FA081	Distribution Construction Standards - Public Lighting - Servicing Arrangements	Standards updated to clarify when an optional earth/neutral and neutral IPC is required and when a dedicated service pit is not required. Contact: Stephen McGuire - (03) 9297 6414	DESIGN CONSTRUCTION MAINTENANCE
	FB111	Distribution Construction Standards - Public Lighting Structure, UG Supply, Category V - Impact Absorbing (Frangible) Columns		
	FB121	Distribution Construction Standards - Public Lighting Structure, UG Supply, Category V - Slip-Base (Frangible) Columns		
	FB131	Distribution Construction Standards - Public Lighting Structure, UG Supply, Category V - Concrete (Non-Frangible) Columns		
	FB133	Distribution Construction Standards - Public Lighting Structure, UG Supply, Category V - Standard Decorative Steel (Non-Frangible) Columns		
	FM011	Distribution Construction Standards - Public Lighting – Connections		
Permitted Materials	PM005	Permitted Materials - Connectors	Permitted Material list updated with new connector. Contact: Darren Martini - (03) 9683 4738	DESIGN CONSTRUCTION PROJECT MANAGEMENT OPTION 2 CONTRACTORS

LEGEND
HIGH IMPACT
MEDIUM IMPACT
LOW IMPACT

DE011, DE121 & DE370 – standards update

Key changes*

Release date: 11 August 2021

**Please refer to official standard for details*

What has changed?:

- Technical Standards DE011, DE121 and DE370 have been updated to include a new aluminium PG clamp with tinned copper D loop.
- The connector is an alternative option to the shell fired connector.
- It is to be used on the HV network in conjunction with live line clamps and solid dropper.

Why?:

- The PG clamp can accommodate a larger conductor range compared to the shell fired connector and also provides an alternative source of supply for D loop connections.



Figure 1 – Al PG clamp with tinned Cu D loop

DC111, DC121, EA001, EC031, EC131, EC201, EF002, EF003, EF007 and EF031 – standards update

Key changes*

Release date: 11 August 2021

**Please refer to official standard for details*

What has changed?:

- Technical Standards DC121, EA001, EC031, EC131, EC201, EF002, EF003, EF007 and EF031 have been updated to include limit state design requirements as per Australian Standard AS/NZS7000 (Overhead line design).
- Technical Standard DC111 has been updated to clarify tramway system clearances.
- Technical Standard EF031 has been updated to improve the application methodology of vibration dampers.

Why?:

- The standards have been updated to comply with AS/NZS7000.
- Technical Standard DC111 has been updated to comply with AS/NZS7000 and based on feedback from the design team regarding confusion around tramway system clearances.
- Technical Standard EF031 has been updated based on an asset failure investigation which found that the inadequate application of vibration dampers had led to wind induced damage on conductors.

FA081, FB111, FB121, FB131, FB133 and FM011 – standards update

Key changes*

Release date: 11 August 2021

**Please refer to official standard for details*

What has changed?:

- Technical Standards FA081, FB111, FB121, FB131 and FB081 have been updated to clarify when an optional IPC is required.
- Technical Standard FB133 have been updated to clarify when a dedicated service pit is not required.

Why?:

- Feedback from the field audit group advised that the standards showed a third 4 port IPC that was not always required. To clarify its use, a note has been added and the third 4 port IPC was shown as optional.
- Feedback from the field audit group also advised that further clarification was required around the use of dedicated service pits.

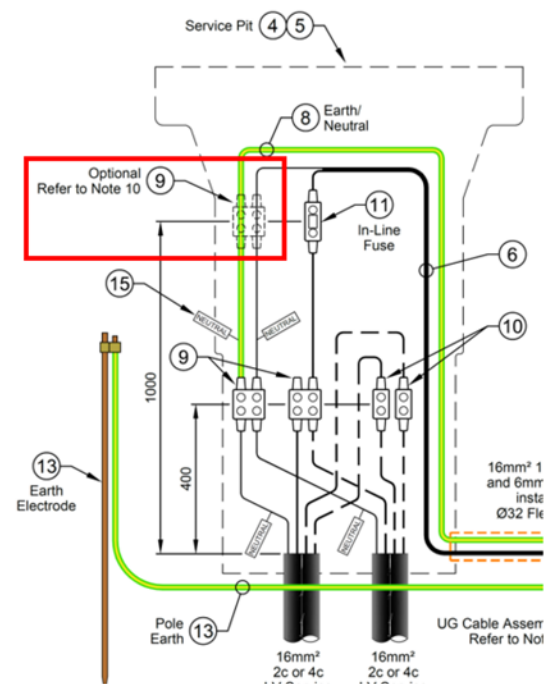


Figure 1 – Optional IPC