



intelligent.

# CT testing enhanced inspection

The purpose of the Enhanced Inspection program is to detect individual CT installation or CT manufacturer faults (e.g. poor installation, degraded condition of connections, cables etc.) and gather data on installed CT's not generally available, such as:

- Manufacturer
- Serial number and/or property number
- Class
- Ratios available (including the connected ratios)
- Rated burden
- "CT Type" as defined by ESAA1, if applicable (\*The "CT Type" field must be filled with a relevant classification, i.e. A, B, C, S, T, U, V & W)
- Design standard and year of first connection (mandatory field)

As part of the review of CT testing requirements, these inspections will also be used to collect data to support sample testing as well as to provide information that will be used for recommendations on the future process for determining the compliance of CT's used in the National Electricity Market (NEM).

**Enhanced Inspection helps in the future process for determining compliance of CT's used in the National Electricity Market.**

## Visual examination

The inspection comprises a visual examination to determine:

- Connected ratio
- Signs of over-heating (such as discolouration of conductors and connections)
- Corrosion of connections
- Position of links (CT's not shortened)
- Correctness of the connection (wiring as well as terminals)
- Physical damage

## Conditional monitoring testing

The inspection also includes condition monitoring tests with no disruption of supply:

- Connected burden measurement
- Individual phase registration (subject to jurisdictional safety regulations)
- Primary / secondary ratio check (subject to jurisdictional safety regulations)
- Physical damage

**Initial round of 100% inspections is carried out across the market, to be concluded by the end of June 2017 (5 year duration)**

- All RPs (Responsible persons) shall complete at least 20% inspections by the end of June 2013
- All RPs shall complete at least 40% inspections by the end of June 2014
- Complete by end of June 2017

Metering Dynamics Business Support Pty Ltd ABN 58 087 082 764 trading as Metering Dynamics.

© All contents copyright Metering Dynamics Business Support Pty Ltd 2017.

\* The Metering Dynamics word and device are registered trademarks of Metering Dynamics Business Support Pty Ltd ABN 58 087 082 764.

To find out what Metering Dynamics can do for your business, contact us:

Call 1300 792 611

Email [sales@meteringdynamics.com.au](mailto:sales@meteringdynamics.com.au)

Visit [www.meteringdynamics.com.au](http://www.meteringdynamics.com.au)