

**PUBLIC TRANSPORT AUTHORITY**  
SAFEWORKING RULES AND PROCEDURES

**5001**  
CENTRALISED  
TRAFFIC CONTROL  
SYSTEM

**C O N T E N T S**

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## 1. PURPOSE

This purpose of this rule is to describe the operation of the *Centralised Traffic Control (CTC)* used in the Public Transport Authority (PTA) *Network*.

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## 2. GENERAL

The *CTC* comprises:

- a *Location* for the control of *Points* and *Signals*;
- *Controlled Absolute Signals* at the entrance to each *Section*;
- *Controlled Absolute Signals* protecting the *Route* through interlockings;
- *Absolute Signals (Intermediate Signals)* are placed to divide *Sections* into multiple *Blocks*; and
- *Track Circuits* or *Axle Counters*.

*Sections* consist of single or multiple lines that are *Unidirectional* or *Bidirectional*.

Interlocking of *Track Circuits*, *Axle Counters*, *Points* and *Protecting Signals* prevent a *Running Signal* from displaying a *Proceed* indication unless:

- the *Block* beyond the *Signal* is not occupied;
- there are no conflicting *Routes* set; and
- the *Points* are correctly set.

The *Train Controller* controls the entry of *Rail Traffic* into *Sections* and through interlockings.

If the *CTC* is reported as or is suspected to be faulty or unreliable, a method of *Special Working* must be used until the *CTC* has been restored.

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## 3. PROCEED AUTHORITIES

The *Authority* for *Rail Traffic* to enter and occupy a *Block* is:

- a *Proceed Signal*;
  - a verbal *Authority*; or
  - a written *Authority*.
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#### **4. FAILURE OF CONTROL FUNCTIONS**

If the function to control *Points* and *Signals* fails, the *Train Controller* must instruct the *Competent Worker* to:

- confirm the setting of *Points*;
- manually operate the *Points* as required; and
- manually secure the *Points* if necessary.

The *Rail Traffic Crew* must obtain an *Authority* to pass *Signals* at Stop in accordance with **Rule 6013 Passing Fixed Signals at Stop**.

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#### **5. REFERENCE**

Rule 6013 Passing Fixed Signals at Stop

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#### **6. EFFECTIVE DATE**

1 November 2015