



OTSG 600

# Running Signals

## Applicability

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NSW
SMS

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## Publication Requirement

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Internal Only
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## Document Status

Issue/Revision #	Effective from
1.0	1 January 2019

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## Purpose

To describe the types of *running signals* used in the *Oberon Tarana Heritage Railway (OTHR)* Network.

## Principle

Running signals are used to *authorise through-movements* from one running signal to the next.

Running signals *may* be passed only in accordance with:

- Rule *OTSG 606 Responding to signals and signs*, and
- Rule *OTSG 608 Passing signals at STOP*.

The Figures in this Rule show examples of the running signals used in the OTHR Network.

## Route signalling

In the OTHR Network, running signals provide information about the *route* for which a signal is cleared.

### Semaphore running signals

In semaphore signalled territory, there may be a separate semaphore signal to indicate each route.

### Semaphore signals

The front face of a semaphore running signal arm is red, with a transverse (across the arm) white stripe. The back face is white with a transverse black stripe. Fishtail arms have chevrons instead of stripes.

The signal arm of fixed STOP semaphore signals may be reflective.

Semaphore signals that can be cleared have arms with red and green glass panels that are lit from behind at night.

Banner-style semaphore signals are lit at night.

### Lower quadrant semaphore signals

Lower quadrant semaphore running signals have:

- large arms to control *main line* movements, or
- medium arms to control *diverging* movements.

Lower quadrant semaphore running signals have a back light to show that the lamp is lit and the signal is set at NORMAL.

Lower quadrant semaphore signals with square-ended arms are home, outer home, starting, or home/starting signals.

Lower quadrant semaphore signals with fishtail arms are distant signals.

Lower quadrant distant signals have an upper lamp case that displays a green light.

A lower quadrant semaphore signal can have a square-ended arm above and a fishtail arm below.

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**Figure OTSG 600-1**

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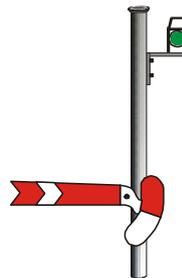
Front and back views of a lower quadrant semaphore signal

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**Figure OTSG 600-2**

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Lower quadrant semaphore signal with fishtail arm

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## Bracket-mounted signals

Semaphore signals may be placed on bracketed posts.

The highest semaphore signal is usually for the main line.

Figure OTSG 600-3



Full and half bracket-mounted semaphore signals

## Signal designations

Running signals, except for distant signals that cannot show STOP, are used to protect the *block* ahead.

Running signals are designated according to their purposes.

Operation	Designation	Description
Controlled	Outer home or accept	A controlled signal used to control entry to the block ahead, but not otherwise protect points or other identified risks.
	Home	Used to protect points and other identified risks. NOTE: Some home signals are kept permanently at STOP.
	Starting	Used to authorise departure from a controlled area.
	Home/starting	Functions as home and starting signal.
	Distant	Usually shows only CLEAR or CAUTION and cannot be used to protect the portion of line to the next signal.  Some controlled distant signals can show STOP and can be used to protect the portion of line to the next signal.

## Running signal operation

### Controlled signals

Controlled signals, other than distant signals, can be set and kept at STOP.

Controlled signals are operated by:

- signalling equipment manually.

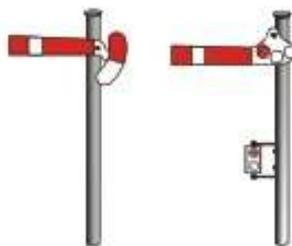
Controlled signals can display a PROCEED indication only if:

- points in the route are in the correct position, and
- there are no conflicting routes set, and

Controlled signals at *attended locations* are *absolute signals*.

Type	Controlled operation status identified by
Lower quadrant semaphore signal	NOTE: Lower quadrant signals are controlled signals.
Upper quadrant semaphore signal	Neither an A sign nor an illuminated A light on or near the signal.

Figure ANSG 600-4



## Related OTHR Network Procedures

NIL

## Effective Date

1 January 2019