

# Shunting signals

## Purpose

To describe the types of shunting signals used in the Network.

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## Principle

Shunting signals are:

- controlled signals, operated by Signallers or other Qualified Workers, and
- used to authorise shunting movements.

Shunting signals must be passed only in accordance with *NSG 606 Responding to signals and signs*.

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

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## Route signalling

### Colour light shunting signals

If a colour light shunting signal controls movements over more than one route, a route indicator is usually provided.

Route indicators are described in *NSG 604 Indicators and signs*.

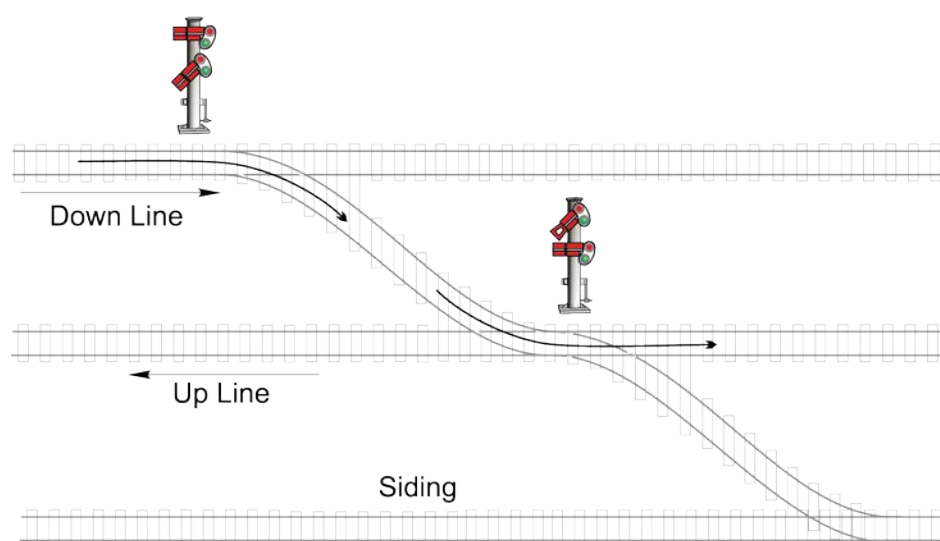
### Semaphore shunting signals

The front of a semaphore shunting signal arm is red, usually with a longitudinal (along its length) white stripe. The back of the arm is white, with a longitudinal black stripe.

## Shunting signals

Multiple semaphore shunting signals are usually mounted one above the other on the same post.

The highest signal on a signal post is for the leftmost route. The next signal down is for the route immediately to the right of the first route, and so on.



**FIGURE 1:** Multiple semaphore signals set for a movement from the Down Line to the Up Line

## Subsidiary signals

If placed below running signals, small colour light or small semaphore signals are subsidiary signals.

If the subsidiary shunting signal displays PROCEED, the running signal displays STOP.

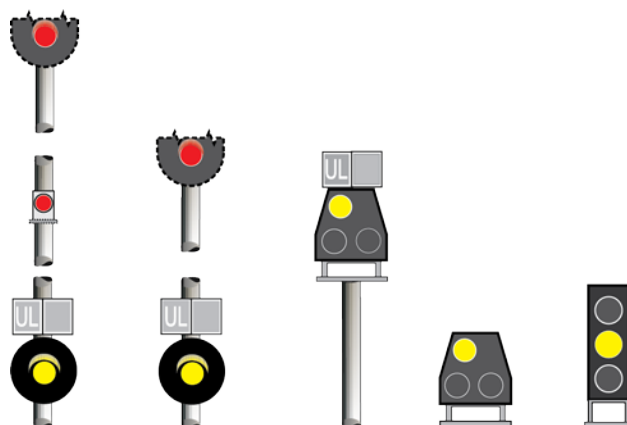
# Shunting signals

## General purpose shunting signals

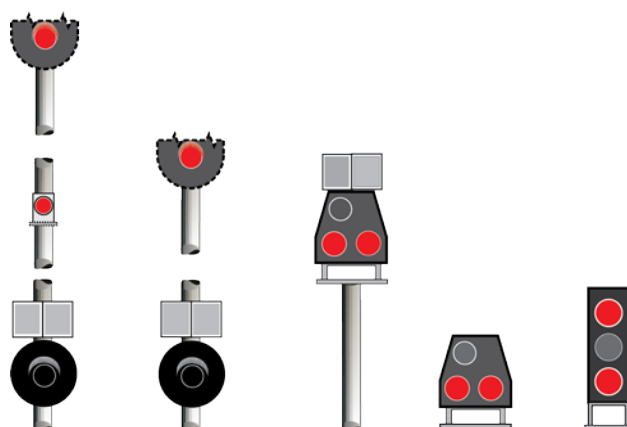
General purpose shunting signals are placed:

- beside running lines
- within shunting yards.

Shunting signals may be subsidiary signals and, when attached to home signals, may be referred to as calling on signals.

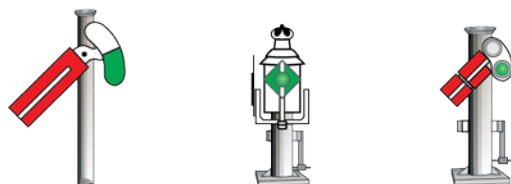


**FIGURE 2:** Examples of colour light shunting signals displaying PROCEED

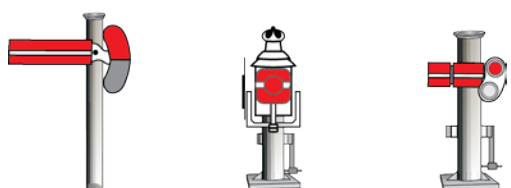


**FIGURE 3:** Examples of colour light shunting signals displaying STOP

## Shunting signals



**FIGURE 4:** Examples of semaphore shunting signals displaying PROCEED



**FIGURE 5:** Examples of semaphore shunting signals displaying STOP

### Intermediate shunting signals

Intermediate shunting signals are placed between two running signals, facing in the same direction as the running signals.

When the first running signal displays a PROCEED indication, the intermediate shunting signal displays PROCEED for the running movement.

An intermediate shunting signal may be used to authorise a shunting movement.



**FIGURE 6:** Examples of intermediate shunting signals

## Shunting signals

### Shunt repeater signals

A SHUNT REPEATER sign designates a shunt repeater signal.

Shunt repeater signals:

- are placed as subsidiary signals below controlled running signals, and
- show that the shunting signal below the next running signal displays a PROCEED indication.



**FIGURE 7:** At left, the shunt repeater signal shows that the next shunting signal displays PROCEED. At right, a shunt repeater sign

### Calling on signals

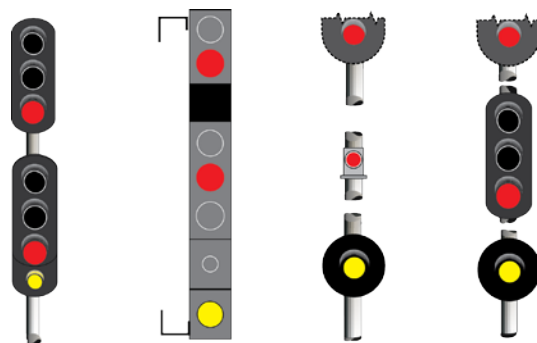
Calling on signals:

- are fitted as subsidiary signals to home signals
- authorise a movement past the running signal
- indicate that the points in the route are locked, but do not indicate that the line ahead is clear.



**FIGURE 8:** Stencil light calling on signal

## Shunting signals



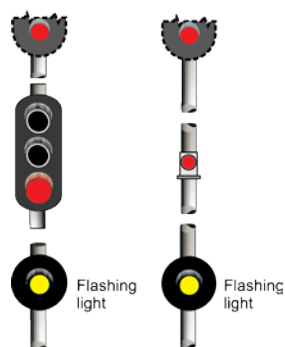
**FIGURE 9:** Examples of colour light calling on signals displaying PROCEED. These signals may be referred to as shunting signals

### Shunt ahead signals

Shunt ahead signals:

- are fitted as subsidiary signals to starting signals or home/starting signals
- authorise a shunting movement past that signal.

Shunt ahead signals must not be used as an authority to proceed through a section.



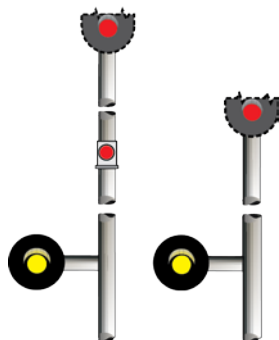
**FIGURE 10:** Examples of shunt ahead signals displaying PROCEED

## Shunting signals

### Dead end signals

Dead end signals:

- are fitted as a subsidiary signal to home or home/starting signals only
- are on brackets placed on the same side as the route for the authorised movement, usually a dead end siding
- authorise a shunting movement from the running line to a dead end siding
- may be used for movement from a running line to a yard or loop.



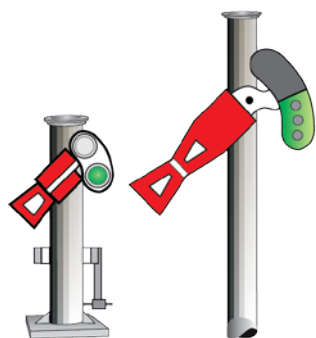
**FIGURE 11:** Examples of dead end signals displaying PROCEED



# Shunting signals

## Wrong road signals

Wrong road signals authorise shunting movements to the limit of authority in the wrong running-direction.



**FIGURE 12:** Examples of wrong road signals displaying PROCEED

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## Network Procedures

*Nil*

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## Effective date

29 April 2017

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