UNDERSTANDING CERTAIN SELECTED SIGNALLING TERMS

PROCEED

SEMAPHORE SIGNALS

COLOUR LIGHT SIGNALS

OR

OR

CAUTION

CAUTION
UNDERSTANDING CERTAIN SELECTED SIGNALLING TERMS

Lever Normal

Lever Reverse

Signal "ON" at DANGER

Signal "OFF" PROCEED

Signal "ON" RED aspect displayed

Signal "OFF" YELLOW aspect displayed

Signal "OFF" GREEN aspect displayed

continued
SIGNALLING TERMS
(POINTS)

Lever Normal

Lever Reverse

Lie of the points on the ground when the point lever is in the **NORMAL** position.

Lie of the points on the ground when the point lever is in the **REVERSE** position.

Direction of traffic when point lever is reverse

Direction of traffic when point lever is normal

**IMPORTANT** :- On a Signalling scheme plan, the points are **ALWAYS** shown in their **NORMAL** position (ie. If worked from a Lever Operated Signal Box the point lever will be in the **NORMAL** position).
Facing Points

Trailing Points

Extract From Weaver JCN Scheme Plan.

continued
TRACK CIRCUITS

Track circuits are shown on a Signalling Scheme Plan as above.

A Track Circuit proves the clearance of a stretch of line between “defined limits” (ie. NOT occupied by train or any fault condition prevalent).

A SIMPLE DIRECT CURRENT TRACK CIRCUIT

[Diagram of a simple direct current track circuit]

continued
TYPES OF SIGNALS (SEMAPHONE)

STOP SIGNAL

DANGER - STOP

PROCEED - As Far As The Next Stop Signal

DISTANT SIGNAL

CAUTION
Prepare To Stop At Next Stop Signal

PROCEED

continued
JUNCTION SIGNALS

STOP

PROCEED - On Higher Speed Route

Miniature arm & Small light

PROCEED AT CAUTION - On to a "No Block" line, or into a dead end siding, or into a yard where the route may be either occupied or clear.

continued
SUBSIDIARY SIGNAL CALLING ON

Used where "Permissive Working" is in force, Call-On is controlled so that it cannot be pulled unless "Block Instrument" is at "Train On Line" or Track Circuit is occupied before the next signal is reached.

When subsidiary signal is "ON" WHITE LIGHT is displayed.

PROCEED AT CAUTION - Line is NOW OCCUPIED before the next stop signal is reached.

SUBSIDIARY SIGNAL SHUNT - AHEAD

Used only at "SECTION" signals, ie. starting signals leading into the section ahead, where it is necessary to pass such a signal at DANGER for shunting purposes & where it would not be convenient always to obtain "LINE CLEAR" from the box ahead for such a movement. Generally restricted to places where for physical reasons the starter cannot be located beyond the limit of all shunting movements.

Letter C displayed only when arm is OFF. Small Green Light.

Letter S displayed only when arm is OFF. Small Green Light.

Move forward for SHUNTING purposes ONLY. On no account to go away until main arm above is pulled OFF.

continued
SUBSIDIARY SIGNAL
WARNING SIGNAL

Letter W Displayed only when arm is OFF.
Small green light.

PROCEED AT CAUTION
Line is clear to next stop signal but may be occupied immediately beyond the signal.

continued
BANNER REPEATER SIGNALS

In all cases **BLACK** arm on a **WHITE** ground

**PROCEED** - The stop signal next ahead is at **DANGER**.

**PROCEED** - The stop signal Next Ahead Is “OFF”.

This signal can be used in either semaphore or colour light territory. In the latter case the “**OFF**” aspect of the banner repeater merely indicates that the colour light next ahead is **NOT** at danger.

ROUTE INDICATORS

**PROCEED TO GOODS LINE**

continued
SHUNTING SIGNALS
GROUND DISCS

STOP

Proceed along siding **ONLY** as far as the line is clear or towards the next STOP signal as far as the line is CLEAR. May apply to more than one route.

May be passed in the "**ON**" position, under the authority of a shunter or guard towards a route for which it is not applicable & cannot be pulled **OFF**.

Proceed as far as the line is CLEAR only along the route or routes to which it is applicable.

continued
TYPES OF SIGNALS
(COLOUR LIGHT)

COLOUR LIGHT SIGNALS
2 ASPECT

RED/GREEN SIGNAL
Danger - Stop/Green - Proceed

DISTANT SIGNAL
Yellow - Caution/Green - Proceed
(Next signal is "OFF")

COLOUR LIGHT SIGNALS
3 ASPECT

Multi-Unit Type

DANGER
STOP

CAUTION
Be prepared to STOP at next
signal which is now at RED.

CLEAR - PROCEED
next signal is displaying a
PROCEED aspect.

continued
COLOUR LIGHT SIGNALS
4 ASPECT

DANGER
STOP

CAUTION
Be prepared to stop at next signal which is now at RED.

PRELIMINARY CAUTION
Prepare to pass next signal at restricted speed & to find it showing one YELLOW light

CLEAR
PROCEED

continued
Normally used for running junctions. May be associated with any colour light signal, searchlight or multi-unit, 3 aspect or 4 aspect. Line of white lights is normally out & **NO INDICATION** apart from signal aspect given for main route. Line of **WHITE** lights, light up & coupled with signal aspect gives the indication for the diverging route. Signal aspect will not clear unless at least 3 white lights are alight.

**Junction Indicator Arms may be fitted to LEFT & RIGHT**

**POSITION 1** - 1st Route to left of through route.

**POSITION 2** - 2nd Route to **LEFT**.

**POSITION 3** - 3rd Route (ie that furthest away to **LEFT** of **THROUGH ROUTE**).

Positions 4, 5 & 6 read in the same way to the **RIGHT** of the **THROUGH ROUTE**.

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continued
COLOUR LIGHT SIGNALS

SUBSIDIARY SIGNALS

**CALLING-ON**
Proceed at CAUTION - The line is now occupied before the next signal is reached.

**SHUNT**
MOVE AHEAD FOR SHUNTING PURPOSES ONLY.

These signals may also be associated with route indicators as an aid to the Driver.

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COLOUR LIGHT SIGNALLING
GROUND SHUNTING SIGNALS
POSITION LIGHT TYPE

**STOP**
A Stencil Type Route Indicator may be associated with this signal in some cases.

Move forward, as far as the line is clear or towards the next signal as far as the line is clear.