The quantity and quality of the wayfinding signage should be based on the needs of the most vulnerable occupant of the building. Normally, signage should be sited continuously and consistently throughout the evacuation route, in order to maintain confidence. In high risk areas this should be reinforced by low level marking which will be conspicuous when smoke obscures signs or information at normal level (as defined on page 3).

A “high risk area” is one without the benefit of natural lighting or by risk assessment likely to be most affected or dangerous in emergency conditions.

BS ISO 16069: 2004

This standard recognises the need to standardise safety way guidance systems (SWGS) to allow people to evacuate occupied areas and if needed to assemble in a designated safe area in the case of fire or other emergencies. A standardised SWGS will assist fire fighters and other rescue teams to evacuate occupied areas during emergencies.

SWGS are not intended to replace emergency escape lighting but to supplement and give effective assistance in evacuation of people e.g. where smoke is present or where emergency lighting is not present or has failed.

The Responsible Person in assessing the risk should consider the BS ISO 16069 2004 recommendation on SWGS and decide to what extent there is a need for such systems, to evacuate people.
**Telscape System**

The prime objective of the **responsible person** is the safe evacuation of people in the event of a disaster. The **risk assessment** should anticipate the type of disaster and the people who may be affected e.g. staff, subcontractors, visitors, customers, disabled, young and old persons.

In a disaster situation the statutory high level signage and emergency lights may be rendered inadequate and sighted persons become blinded by smoke conditions. In these circumstances, all or parts of the Telscape system should be considered.

**Corridors - Floors and Walls**

By marking walls, their existence and position can be established in 'black out' conditions. This can be done by highlighting handrails, safetyrails and skirting with photoluminescent material. These markings should be continuous and will help identify other people through their silhouettes.

In each corridor on one side (or both sides if wider than 2m) the Telscape system recommends fitting a wayfinding strip consisting of a transparent safetyrail holder to secure a rigid photoluminescent strip. This can be placed 1m off the floor (or lower than 400mm in high risk areas).

These strips can be easily cut and shaped for installation.

- **Transparent Safety Strip (2m length)** 2396 Z £6.10
- **Rigid Photoluminescent (50mm wide x 1m length)** 2389 PR £6.75

**Door Definition**

At each door there should be a pull or push pad in photoluminescent material using the Telscape tactile wayfinding symbols.

- Direction through door: Push
- Stairs up: Reverse for down.

Each push/pull pad is supplied with one set of 4 tactile symbols.

Spare set of 4 tactile symbols. 1840 Z PV £1.20

**Signage**

Add wayfinding signs to the photoluminescent strips. These should be placed at a maximum of 10m intervals and at any change of direction.

The signs are printed on a clear, heavy duty vinyl which allows the photoluminescent wayfinding strip to shine through, highlighting the printed symbols.

These signs are supplied in packs of 10
- **EG size:** Packs of 10
- **JE size:** Packs of 10

**How to order**

<table>
<thead>
<tr>
<th>Product No</th>
<th>Size (mm)</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example 1838</td>
<td>EG = 50 x 100mm, JE = 150 x 150mm, KG = 200 x 100mm</td>
<td>PR = Photoluminescent Rigid PVC, PV = Photoluminescent Self-Adhesive Vinyl, TV = Transparent Self-Adhesive Vinyl</td>
</tr>
</tbody>
</table>

£6.50
**Tactile Aids**

The additions of self adhesive **Telscape** tactile symbols to guide the sighted and unsighted person to safety.

- Start
- Direction
- Stairs
- Up and down

These are placed in a consistent position on the safetyrail photoluminescent strip or a handrail as appropriate.

**Stairs and Change of Level**

Marking treads and handrails will help with orientation. Similarly, ramps and balustrades can be identified. The **Telscape** system incorporates the use of photoluminescent delineating stair rails and stair nosing (see page 18). **Telscape** tactile symbols will help guide people escaping in smoke obscuring conditions.

**Obstacle Markings and Open Spaces**

By providing safe path lines to follow using floor markings, occupants can be safely and quickly directed towards main doors and evacuation routes. The frames of the doors can be outlined and illuminated with photoluminescent tape (See page 19). To comply with ISO16069: 2004 final exit should be outlined.

**Wayfinding Dots**

Manufactured from rigid, self adhesive, photoluminescent PVC. These marker dots can be used to supplement wayfinding systems.

- **Eye Pod**
  - Place one prior to the start of the staircase on the transparent safetyrail (page 15) and then on the handrail for two steps, angled for ascent or descent.
  - Tactile guidance helps all people in smoke and darkness

**Tactile Guidance**

**Obstacles such as machinery in factories, overhead pipes and other hazardous projections can be identified and therefore easily avoided during evacuation.**

**Telscape**

- **Stairs**
  - Marking treads and handrails will help with orientation. Similarly, ramps and balustrades can be identified.
  - The **Telscape** system incorporates the use of photoluminescent delineating stair rails and stair nosing (see page 18).
  - **Telscape** tactile symbols will help guide people escaping in smoke obscuring conditions.

**Wayfinding Dots**

- **60mm diameter**
  - 10 per pack
- **80mm diameter**
  - 10 per pack

**Plain Dots**

- **60mm diameter**
  - 10 per pack
- **80mm diameter**
  - 10 per pack

**Arrow Dots**

- **60mm diameter**
  - 10 per pack
- **80mm diameter**
  - 10 per pack

**Pad of 10**

- **1841 PV £2.00**
- **1842 PV £2.00**

**40mm wide x 10m**

- **2044 PV £38.00**
- **2048 PV £70.00**

**Smoke blinds the sighted...Touch could save the day**
When the lights fail, switches need to be delineated, particularly on 3 phase equipment which may still be working. This switch delineator is manufactured in self adhesive vinyl.

Switch Delineator

100mm diameter (40mm hole)

Pack of 10

2099 PV £1.50

It is necessary to impart details of this simple system to staff and visitors. This can be done by a simple poster describing the 'as fitted' system, placed in strategic position throughout the building. For visitors this could form part of your Visitors Welcome and Site Induction display in your reception.

Product Description - Display Screens

- 1980mm silver aluminium alloy, upright with a stable 450 diameter base.
- The ultra slim (53mm) 17" digital LCD screen positioned at any level on the stand.
- Supplied complete with miniature electronic transformer and mains lead.

NB The screen requires a compact flash card with files downloaded directly from a digital camera or PC to display your message.

System Information

The British Standards Institute are proposing the design and use of Escape Plans for all premises. This will help in the evacuation of staff and visitors and to assist the emergency services, especially fire fighters, when they may be trying to orientate themselves in a smoke filled/reduced visibility situation.

For more detail see page 20
Stairs represent a slip and trip hazard and a serious obstacle when part of the means of escape. Besides photoluminescent material to delineate walls, handrails and the slope of stairs, the fitting of the photoluminescent stair nosing improves immeasurably the safety of escaping people. We offer three versions suitable for stairs having floor coverings or concrete teraggo as well as marble surfaces. The main nosing is constructed in mill finish aluminium alloy and the slip resistant insert is in pale yellow which when properly energised will glow green/yellow light when the lights fail.

**Stair Safety Guidance**

**Eye Pod**

The Building Regulations Part B 2006 edition and BS 8300: 2001 provide the optimum specification for these products and help achieve an environment in line with the Disability Discrimination Act 1995 (DDA). The photoluminescent element in these products allow them to be included as part of the BS ISO 16069: 2004 Safety Way Guidance System (SWGS) recommendation.

**When ordering** please indicate the surface and associated flooring (type and depth) and whether for an interior or exterior application. Also, where the treads are open ended then this should be detailed so that the appropriate stair trims can be recommended. The stair nosing is priced per metre and if requested a survey will be carried out.
Generally tape is used for two main duties, safety way guidance and area identification. Area identification helps with the location of emergency equipment in the event of a 'black out'. A factory or warehouse can be a confusing area, even to staff familiar with their surroundings, when all light is lost. Identifying telephones, fire-fighting equipment, low ceilings and protruding pipes, valves, handrails, trip hazards etc. can save time and possibly lives in the event of an emergency. Where used as part of a safety way guidance system installers must ensure adequate light is available to activate the photoluminescent material in order to attain the required performance. Anti-slip tape can also be used to assist in the safe evacuation of people.

**Tapes**

| Tapes                          | Width | Length | Price  
|--------------------------------|-------|--------|--------
| **Vinyl Tape**                 | 40mm  | 10m    | 2014 PV £33.00 |
| Emergency equipment marking    |       |        |         |
| Handrail identification        | 80mm  | 10m    | 2018 PV £66.00 |
| Stair identification           |       |        |         |
| **Way Guidance Decals for use with Tape** |       |        |         |
| Self adhesive vinyl decals for use with tape to indicate direction. Available to suit both 40mm and 80mm tape widths and sold in packs of 10 decals. |       |        |         |
| **Left**                       |       |        |         |
| 2382 DF TV (to suit 40mm)      |       |        | £5.00   |
| 2382 FJ TV (to suit 80mm)      |       |        | £9.00   |
| **Right**                      |       |        |         |
| 2383 DF TV (to suit 40mm)      |       |        | £5.00   |
| 2383 FJ TV (to suit 80mm)      |       |        | £9.00   |
| **Green Diagonal Tape**        | 40mm  | 10m    | 2034 PV £38.00 |
| Marking safe areas             | 80mm  | 10m    | 2038 PV £70.00 |
| Exit door highlighting         |       |        |         |
| Escape identification          |       |        |         |
| **Black Diagonal Tape**        | 40mm  | 10m    | 2044 PV £38.00 |
| Danger zone marking            | 80mm  | 10m    | 2048 PV £70.00 |
| Obstacle marking               |       |        |         |
| **Red Diagonal Tape**          | 40mm  | 10m    | 2054 PV £38.00 |
| Highlighting fire fighting equipment |     |        |         |
| Hazard marking                 | 80mm  | 10m    | 2058 PV £70.00 |
| **Barrier Tape (Non adhesive)**| 75mm  | 500m   | 2005 CV £12.00 |
| Hazardous area marking         |       |        |         |
| No entry marking               | Black & Yellow Barrier Tape | 75mm wide x 500m | 2006 CV £12.00 |
| **Non-slip Self Adhesive Tape**| 50mm  | 18m    | 2001 NS £30.00 |
| Nose of stairs                 | 100mm | 18m    | 2002 NS £65.00 |
| Walkways                       |       |        |         |
| Engine room ladders            |       |        |         |
| **Self Adhesive SOLAS Reflective Tape** | 50mm | 18m | 2000 ST £192.00 |
| Suitable for external use      |       |        |         |
| Loading bays                   |       |        |         |
| Safety equipment marking       |       |        |         |
| Safety route marking           |       |        |         |
To assist in the safe evacuation of people from a building the British Standards Institute are recommending that every building should produce escape plans. They are proposing that these should be positioned permanently where occupants can understand the means of escape from strategic points of an escape route e.g. primary entry points, lifts, stairs and in the case of hotels, hostels etc in every room. These plans can be produced on a variety of materials but if printed on photoluminescent material the recommendation states that this should be PSPA Class C material. The Responsible Person is required to have risk assessments carried out so that the means of escape and emergency equipment is properly illuminated at the time of evacuation. This includes when the main lights fail.

**Escape Plans**

**ESCAPE PLAN**

Supply our Sales Team with a plan of your building floor by floor and we will produce the escape plan in the required format on the material of your choice.

**Emergency Light and Alternative Light Sources**

The provision of emergency lighting is a legal requirement under the Building Regulations 2006 document covering new and refurbished building. The Fire Safety Order came into force in October 2006 and requires the Responsible Person to carry out risk assessments including means of escape and the illumination of those routes-in particular at:

- Each change of direction
- Each door and final exit
- Stairs and any other change of level
- Safety exit signs
- Fire-fighting and first aid equipment

**Alternative Light Source**

Here is an energy source with no maintenance, the Photoluminescent light diffusor. While it can be formed to any shape it is mainly supplied in 500 x 500mm panels to fit suspended ceiling light boxes. These diffusors are white but give either blue or yellow light source when the main lights go out. I imagine the hospital operation to be concluded, a meeting to be finished, reduced light needed in a presentation or to just find the way out.

**Eye Link**

Often the Escape Plan will be sited at positions where other signs are required and to avoid confusion with too much information it may be possible to integrate some of these with the Escape Plan e.g. Fire action sign, Lift sign etc.

**Eye Pod**

If you require quotation for the installation of emergency lights, photoluminescent diffusers or on site advice to prepare an Escape Plan. Please contact our Sales Team.

**Plan for safety. . . . Enquire about CAD plans**

<table>
<thead>
<tr>
<th>Product</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2060 Z</td>
<td>500 x 500mm</td>
<td>£49.00</td>
</tr>
<tr>
<td>2061 Z</td>
<td>500 x 500mm</td>
<td>£49.00</td>
</tr>
</tbody>
</table>
Emergency Lights operate in the following ways:

**Maintained:** The lighting operates normally and continues to operate when the normal mains supply fails (mains lighting and emergency lighting).

**Non-Maintained:** The lighting only operates when the normal mains supply fails (emergency lighting only).

**Bulkhead Emergency Light**

An easy to fit, vandal resistant, bulkhead emergency light at an economical price. Styled for internal or external use the fluorescent fittings are designed for long life and ease of maintenance. The diffuser is secured by two posi-drive screws through a weatherproof sealing gasket - so there are no fiddly clips to break. Included with each light is a set of self-adhesive decals and directional arrows. This unit can be fitted as a maintained or non-maintained light.

**SIGN-LITE**

The **SIGN-LITE** range of illuminated exit signs which incorporate a passive (non-electrical) photoluminescent sign/legend. This provides a separate and dedicated second level of operation which is fail-safe and requires no maintenance or servicing.

The design of the luminaire ensures a high level of illumination at floor level or at the threshold of an exit door. These units comply with BS 4533-102.1:1990 and BS 5266-1:2005. By mounting the photoluminescent sign/legend on a metal fascia plate, the **SIGN-LITE** range offers a high level of vandal resistance.

Single or Double sided units can be supplied for wall or ceiling mounting. Alternatively, they can be suspended using the optional suspension kit.

When ordering these items, please advise the sign/legend required, e.g. "Exit - arrow up", in addition to quoting the relevant product code as shown below.

**Single Sided 8w Luminaire:**
- Maintained: 9053 **£126.50** Non-maintained: 9054 **£116.60** Lit Sign Only: 9055 **£70.00**

**Double Sided 2 x 8w Luminaire:**
- Maintained: 9056 **£178.20** Non-maintained: 9057 **£158.40** Lit Sign Only: 9058 **£121.00**

**Suspension Kit:** 9052 **£26.00**

**How to order**

Maintained version: 9059 **£124.00**

Non-maintained version: 9060 **£110.00**

**Product No**
- 9050
- 9056
- 9060

**Watts**
- BW
- 2 x BW
- BW

**Material/Description**
- Bulkhead Fitting
- Arrow ↑ → ↔ or none