



## Data Categories

### Location of works (town)

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| Type | Description  |
|------|--|
| Town | The nearest town to the utility strike or part of City, eg. Westminster. |

### Location of works (county)

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| Type   | Description  |
|--------|--|
| County | The county within which the utility strike occurred. |

### Environment of works

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| Type             | Description   |
|------------------|---|
| Inner City       | A typically highly congested area in the middle of a city   |
| Suburbs          | The outer reaches of a City   |
| Town             | A typical town environment  |
| Village          | A typical village environment   |
| Urban/Industrial | An urban or industrial area out of town, such as a Business Park where services are likely to be less congested |
| Rural            | A typical rural setting   |
| Other            | Including other environments such as airports, barracks, hospitals etc.   |

### Location Type

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| Type                                    | Description   |
|---|---|
| Carriageway (Inc Motorways/Runways etc) | A constructed surface used by motor vehicles or airplanes               |
| Footpath                                | A constructed surface used for walking by pedestrians                   |
| Garden                                  | A privately owned area of land next to a house                          |
| Private drive way                       | A vehicular access to a house   |
| Private Land/Field                      | An enclosed area of land predominantly in agricultural use              |
| Car Park                                | An area dedicated to vehicle parking                                    |
| Railway                                 | An area of land dedicated to use by trains                              |
| Unmade ground                           | An unconstructed/temporary surface used for vehicular access or parking |
| Verge                                   | A grassed area located adjacent to footpath or carriageway.             |
| Watercourse                             | Any watercourse including rivers, streams, ditches etc and their banks  |
| No Location recorded                    | Location not reported   |



## Asset Damaged

| Type                         | Description   |
|------------------------------|---|
| Elec - LV (<1000)            | An electrical service cable carrying a load of up to 1000v not including street lighting cables |
| Elec - HV (>1000)            | An electrical service cable carrying a load above 1000v   |
| Elec – Street Lighting Cable | A cable supplying electricity to street lighting columns  |
| Gas - LP (<7bar)             | A gas pipe which operates up to a pressure of 7 bar   |
| Gas - HP (>7bar)             | A gas pipe which operates over a pressure of 7 bar  |
| Pipeline                     | A pipe that conveys fuel e.g. oil   |
| Telecom - Copper             | A telecommunication cable   |
| Telecom - Fibre              | A telecommunication fibre optic cable   |
| Sewer/Drainage               | A pipe that conveys waste, surface or combined water flows                                      |
| Water                        | A water pipe that conveys potable or raw water.   |

## Asset Type

| Type     | Description  |
|----------|--|
| Main     | An underground principal utility                                 |
| Service  | An underground supply from the principal utility to the end User |
| Overhead | Any service suspended on pylons, poles etc.                      |

## Service Interruption

| Type | Description                |
|------|----------------------------|
| Yes  | Any interruption in supply |
| No   | No interruption in supply  |

## Severity of Strike

| Type  | Description  |
|---|--|
| If any classification of the strike is in a more serious classification then the highest classification should be used. i.e. if no injuries (LOW) but major delays (HIGH) then it should be classified as HIGH. |  |
| Low   | None / minor injuries<br>None/ minor delays or disruption incurred<br>No interruption to supply  |
| Medium  | Reportable injury<br>Significant delays or disruption incurred<br>Minor interruption to supply   |
| High  | Serious / fatal injuries<br>Major delays or disruption incurred<br>Threat to public safety<br>Media coverage<br>Significant interruption to supply |



## Cause of Damage- Planning

| Type                              | Description   |
|-----------------------------------|---|
| Insufficient competency           | Insufficient competency, including training and experience                                |
| Insufficient gang skills          | Insufficient skills of gang chosen  |
| Insufficient scheduling           | Insufficient scheduling of activities   |
| Assets not on relevant plans      | Plans of relevant utility did not show utility asset damaged                              |
| Plan of damaged asset not present | Plans of utility damaged not present  |
| Inaccuracy of plans               | Utility asset damaged not shown correctly on plans on site                                |
| Inadequate assessment of works    | Insufficient assessment of works required including not sufficient equipment provided etc |
| Insufficient time allowed         | Insufficient time allowed to complete works in given timeframe                            |
| Inadequate survey                 | Survey practices not sufficient   |

## Cause of Damage- Execution

| Type  | Description   |
|---|---|
| Insufficient survey practices (use of locating equipment) | Inadequate use of locating equipment  |
| Misuse of tools/equipment                                 | Inappropriate/misuse of plant, tools or equipment   |
| Not following procedure                                   | Identified that Company Procedures were not being fully followed by individual or by group  |
| Inattention/lack of awareness                             | Followed Company Procedures but adjudged as human error   |
| Clearance not maintained                                  | Recommended HSG47 guideline separation distance between plant and utility not followed  |
| Inadequate workplace environment                          | Congested or poorly laid out workplace environment (not relating to density of services) including congested or restricted motion or inadequate or excessive illumination |
| Service markup not maintained                             | Marks identifying utility location taken out during excavation and not re-marked  |
| Inadequate trench support                                 | Trench not properly supported or trench support causing damage to utility   |
| Inadequate backfilling                                    | Backfilling of excavation/trench causing damage to utility  |
| Excavation practices not sufficient                       | No or inadequate development/ implementation/enforcement of Safe System of Work   |
| No Protective Systems                                     | No or inadequate guards or protective systems   |
| Lack of supervision                                       | For non-use of a banksman or similar.   |



## Equipment Type

| Type                   | Description  |
|------------------------|--|
| Breaker/Jackhammer     | A hand held pneumatic or electro mechanical tool used to break up hard surfaces eg concrete, pavements, road surfaces              |
| Drilling/Moling/Piling | Method of construction being used  |
| Excavator              | Tracked or wheeled mechanical plant above 5T using a bucket or similar attachment fixed to a boom to carry out excavation activity |
| Hand Tool              | A hand held tool used to excavate eg graft, spade, shovel  |
| Micro/narrow trenching | An excavation process used to excavate a narrow trench to lay assets (predominantly fibre) in the ground.                          |
| Mini-digger (up to 5T) | A small excavator less than 5T   |
| No Equipment involved  | Reported incident caused by no equipment eg falling spoil/material   |
| Roller                 | Plant used to compact backfill material  |
| Saw                    | Plant used to cut through footpath/carrageway surface eg stihl saw, road saw   |
| Vacuum Excavator       | Plant used to remove granular material from trenches and around pipes and cables by use of powerful suction                        |
| Other/Not Recorded     | Incident with either bespoke/non-standard equipment or no equipment reported   |

## Nature of works

| Type               | Description   |
|--------------------|---|
| Planned            | Works that have been planned/scheduled in advance   |
| Unplanned/reactive | Works of an urgent nature- potholes, leaks etc to restore services to meet customer service targets etc.  |
| Emergency          | Work that needs to be done immediately to repair damaged services in order to prevent continuing risks to health and safety either directly, such as stopping a gas leak, or indirectly where restoring power to traffic signals at a major junction. It does not mean restoration of service to meet customer service targets. (Definition as per HSG47) |

## Excavator Group

| Type            | Description |
|-----------------|-------------|
| Contractor      | N/A         |
| Sub Contractor  | N/A         |
| Developer       | N/A         |
| Government      | N/A         |
| Occupant/Farmer | N/A         |
| Other           | N/A         |
| Utility         | N/A         |



## Survey Level

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| Type       | Description  |
|------------|--|
| Type D     | Desktop records utility search (in accordance with PAS128)   |
| Type C     | Site reconnaissance to identify physical features that support the existence of utilities within the survey area (in accordance with PAS128)                                       |
| Type B     | Geophysical techniques to detect and identify utilities within the survey area with a minimum of two techniques being GPR and electromagnetic locating (in accordance with PAS128) |
| Type A     | Verification comprising exposing the utility within the survey area to confirm and record the location and other attribute data (trial holes etc) (in accordance with PAS128)      |
| Non PAS128 | A type of search not in accordance with PAS128.  |