

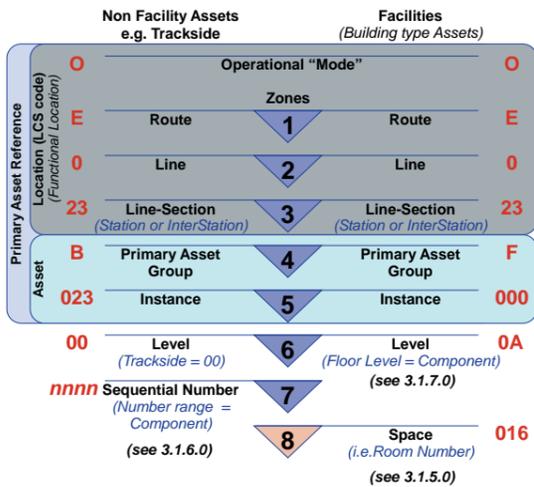
LOCORE-LO-K-OZ000-Z000ZE\_XX-STD-0030

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A3  
Version: P02.2\_S0  
Date: 2015.11.20  
Author: AJ Hake  
Technical Check:  
Authorised:  
**DRAFT**

For associated documents see:  
LOCORE-LO-K-OZ000-Z000ZE\_XX-STD-0030

3.1.1.0 - ZONES

To enable the location and assignment of information against an assets, eight zones have been defined:



3.1.2.0 - ZONES 1, 2, 3: LOCATION CODING SYSTEM (LCS)

The "Location Coding System" (LCS) / "Functional Location" is used to identify and subdivide a railway line into "Line-Sections" (locational zones); these shall be used for referencing engineering asset location and record keeping purposes.

A "Line-Sections" zone shall identify either a "Stations" or "InterStation" (the zone between stations) along a railway line.

OLCS codes shall be five (5) character in length.

oPROID-ORG-R-OLCS-PIOZAM\_00-TYP-0001

Note: Legacy LCS codes may be defined as four (4) character in length, omitting the "Operational Mode" code [O].

Legacy: Four (4) character LCS code: E403

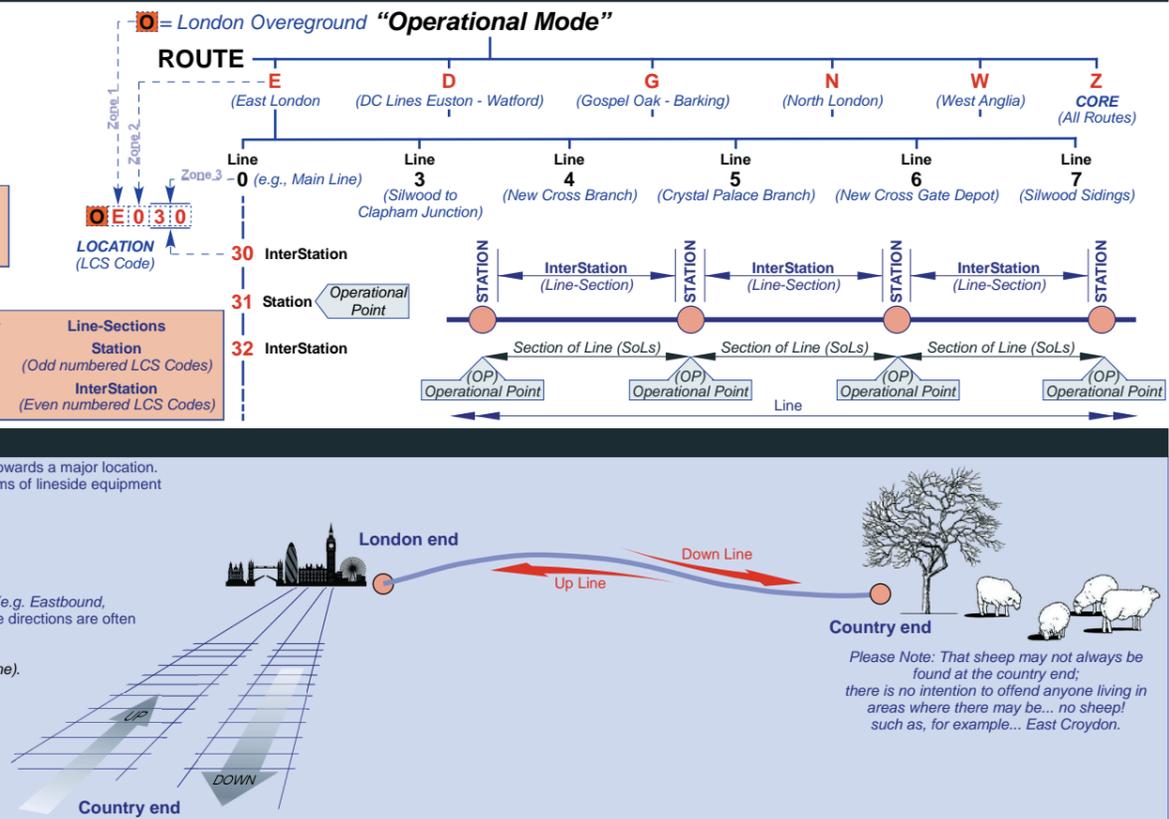
"Operational Mode" - OW0:0:6

Zone 3: Line-Section  
Zone 2: Line  
Zone 1: ROUTE

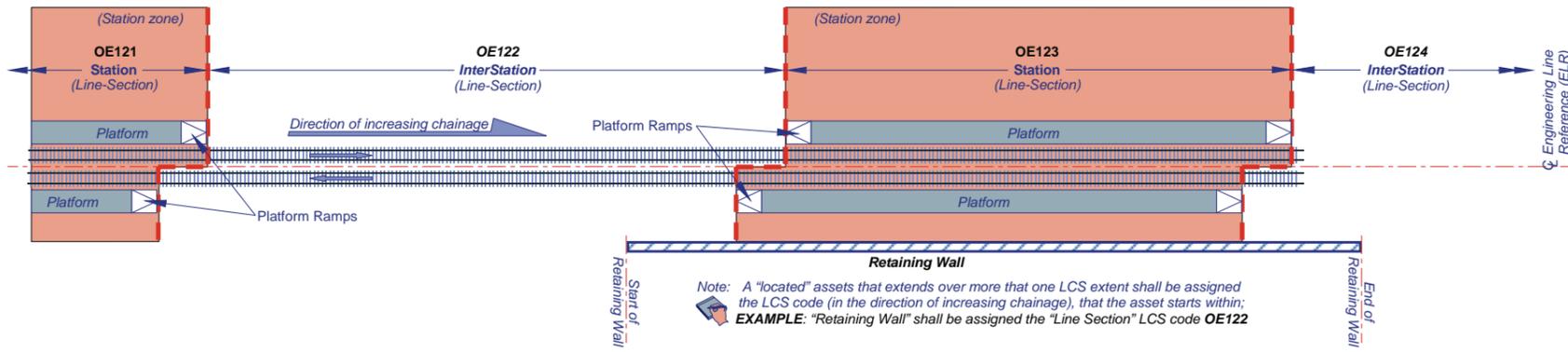
3.1.3.0 - ROUTE DIRECTION

Railway line directions are usually described as up and down, with up being towards a major location. This convention is applied not only to the trains and the tracks, but also to items of lineside equipment and to areas adjacent to the track.

- The up side of a line is on the left when proceeding in the up direction.
- On most of the railway network, up is the direction towards London.
- On the London Underground geographic direction naming generally prevails (e.g. Eastbound, Westbound), except for the Circle line or the loop of the Central line where the directions are often referred to as inner rail (anti-clockwise) or outer rail (clockwise).
- Trains running towards London are normally referred to as Up trains (Up Line).
- Trains running away from London as Down trains (Down Line).
- Other directions commonly used are London and Country.
- The London end of a station is the end where trains to London depart.
- The country end is the opposite end, where trains to the country depart.

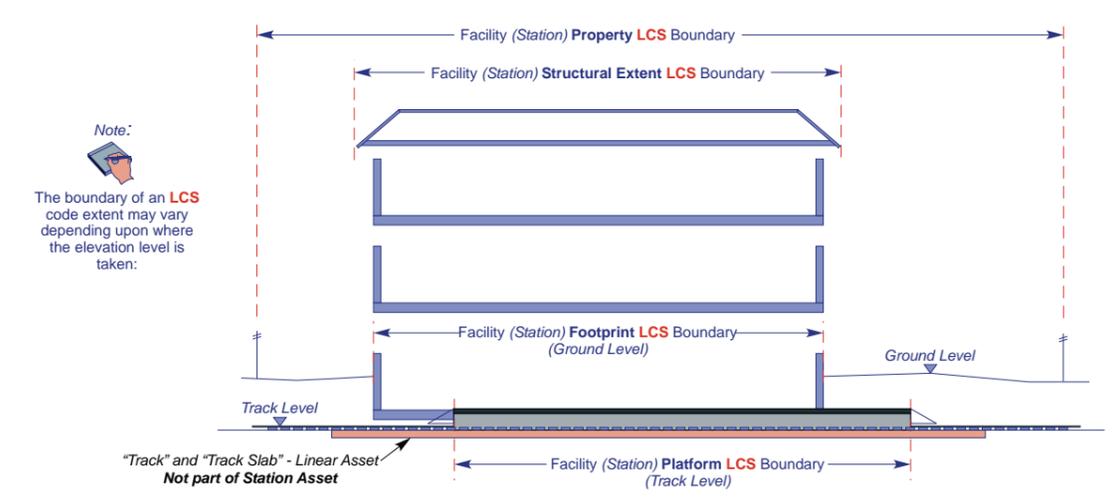


3.1.4.0 - STATION ZONE



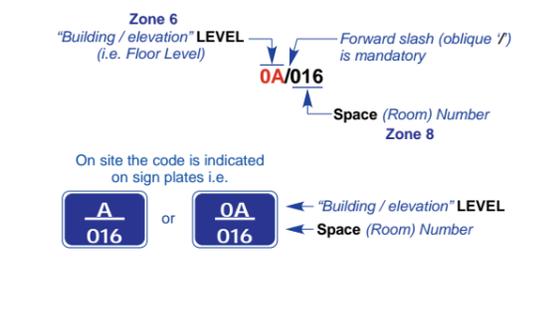
The area from the ends of platform/ramps of the same station including space enclosed by the operational boundary and including any structure that forms part of, or is integral to the station facility and is directly accessed from the station envelope.

Where station platforms are staggered, the station extent will be taken at right angles from the end of platform/ramp to the Engineering Line Reference (ELR); centreline between tracks.

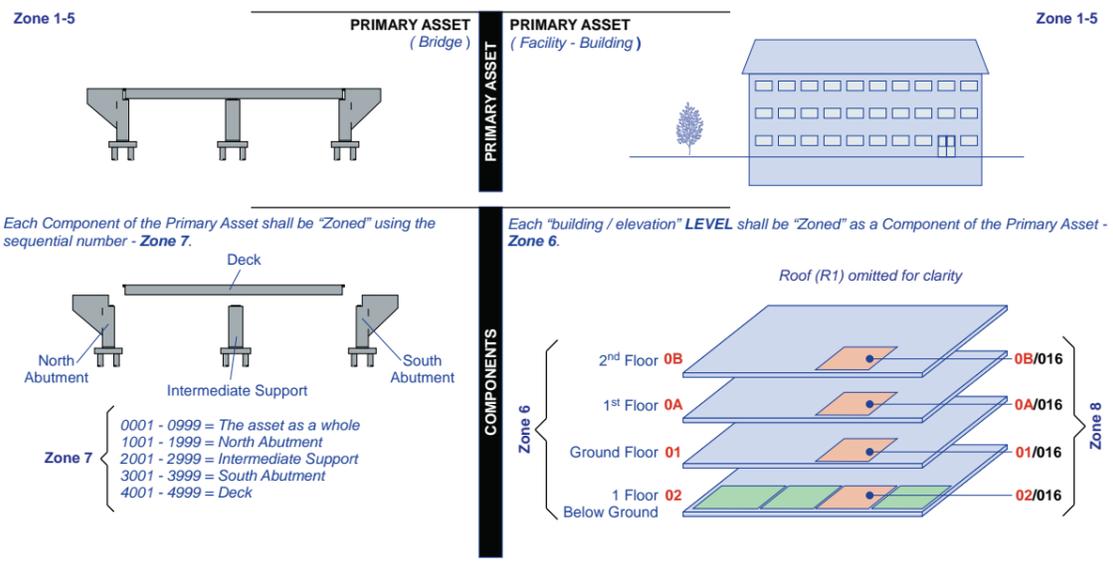


3.1.5.0 - ZONE 8: SPACES

Each space (Zone 8) within a Facility (Stations and Buildings etc..) shall be allocated a "Space Identifier" (SID) code depending on the usage of the space.



3.1.6.0 - EXAMPLES



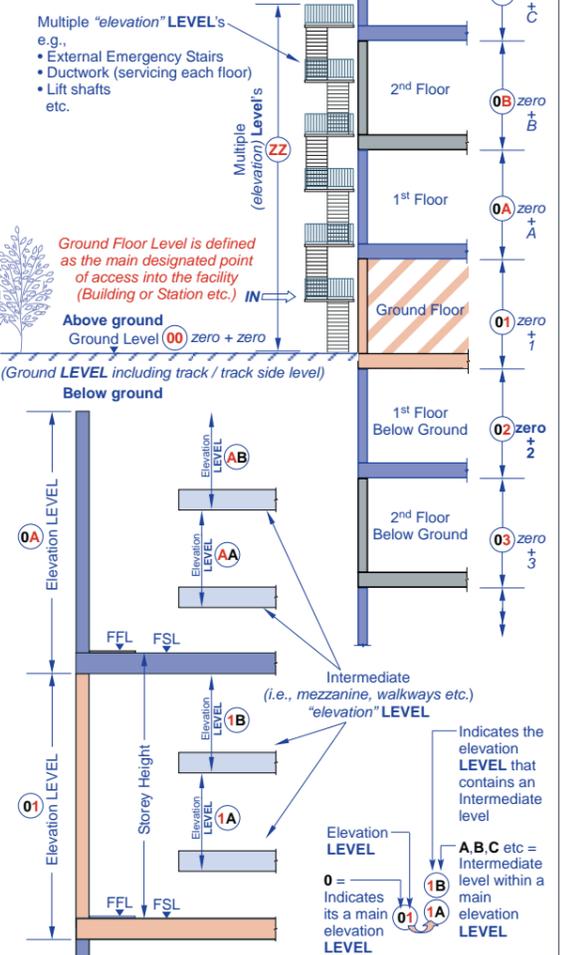
3.1.7.0 - ZONE 6: LEVEL

The "building / elevation" LEVEL (i.e. Floor Level) field code defines the vertical boundary where items are located and can be associated to.

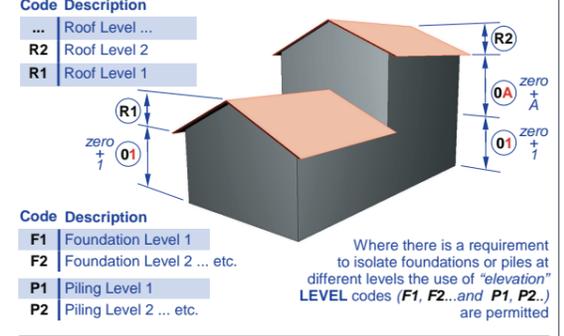
Note: The "building / elevation" LEVEL codes defined here within the CPMDS are in reverse of that defined within BS1192, BS EN ISO 4157-1 and EN ISO 4157-1. This is to align with existing TIL (LU) codes in use.

Note: The "building / elevation" LEVEL codes used by London Overground make the assumption that a Facility (Building, Station etc..) will:

- Not exceed 8 floor levels below ground
- Not exceed 27 floor levels above ground



Facilities (buildings, Stations etc..) may reside over many LEVELS; where this occurs the Facility may have more than one roof LEVEL. The use of the "elevation" LEVEL codes (R1, R2 etc.) shall be used to identify each roof level.



3.1.7.1 - TRACKSIDE NON "BUILDING" TYPE ASSETS

Trackside: - LINEAR and Non "building" type assets may use the following "elevation" LEVEL codes:

**Code Description**

AG	Above Ground:	Not directly connected to the ground
00	Ground Level:	Including the ground (DMT) and assets sitting on or partially below ground level (visible)
BG	Below Ground:	Flush with the ground surface or below (not visible from ground level)



3.2.1.0 - LONDON OVERGROUND ROUTE DIAGRAM

3.2.2.0 - ROUTE-WIDE AND LINE-WIDE (LCS) CODES

3.2.2.1 - ROUTE-WIDE LCS CODES

A "Route-wide" LCS codes shall be used where documentation and data are related to all lines associated to a route.

3.2.2.2 - LINE-WIDE LCS CODES

A "Line-wide" LCS codes shall be used where documentation and data related to an individual lines.

3.2.3.4 - DC LINES - ROUTE

OD000 Route (OD - DC Lines) - Route-wide LCS code

OD100 Line (OD1 - Euston to Watford Junction) - Line-Wide LCS code

3.2.3.5 - EAST LONDON LINE (ELL) - ROUTE

OE000 Route (OE - East London Line) - Route-wide LCS code

Note: Legacy LCS codes for ELL are four (4) character in length, omitting the "Operational Mode" code (see section 3.1.2.0)

- E000 Line (E0 - Dalston to New Cross Gate) - Line-Wide LCS code
E300 Line (E3 - Silwood to Clapham Junction) - Line-Wide LCS code
E400 Line (E4 - New Cross Branch Line) - Line-Wide LCS code
E500 Line (E5 - Crystal Palace Branch Line) - Line-Wide LCS code
E600 Line (E6 - New Cross Gate Depot) - LCS code
E700 Line (E7 - Silwood Sidings) - LCS code

3.2.3.7 - GOSPEL OAK - ROUTE

OG000 Route (OG - North London Lines) - Route-wide LCS code

OG100 Line (OG1 - Gospel Oak to Barking) - Line-Wide LCS code

3.2.3.14 - NORTH LONDON LINE (NLL) - ROUTE

ON000 Route (ON - North London Lines) - Route-wide LCS code

ON100 Line (ON1 - Stratford to Richmond) - Line-Wide LCS code

ON200 Line (ON2 - Old Oak Common to Clapham Junction) - Line-Wide LCS code

3.2.3.23 - WEST ANGLIA - ROUTE

OW000 Route (OW - West Anglia Line) - Route-wide LCS code

- OW100 Line (OW1 - West Anglia Line - Liverpool St. to Enfield Town) - Line-Wide LCS code
OW200 Line (OW2 - West Anglia Line - Hackney Downs to Chingford) - Line-Wide LCS code
OW300 Line (OW3 - West Anglia Line - Edmonton Green to Cheshunt) - Line-Wide LCS code
OW400 Line (OW4 - West Anglia Line - Romford to Upminster) - Line-Wide LCS code

3.2.3.26 - OVERGROUND ALL ROUTES

OZ000 When making reference or referring to all Routes/Lines associated to "London Overground," the route-wide LCS code OZ000 shall be used.

3.2.1.1 - KEY TO SYMBOLS

- London Overground Routes
London Overground Operating on London Overground Route
London Overground Operating on Network Rail Lines
Crossrail
London Overground Fault Reporting Boundary
London Overground Stations
London Overground Interchange stations
Network Rail Stations
Crossrail Stations
Crossrail Stations on 125 Year Lease to Rail for London (RfL)
Step-free access from street to train
Step-free access from street to platform
National Rail
River Boat Services
Airport

