

GRADED MODES OF OPERATION (IEC 62267)

Using the general descriptions of Grades of Operation from the IEC standards:

- GoA 0 – Line of Sight Operations.
- GoA 1 – Non-Automated Train Operation.
- GoA 2 – Semi Automated Train Operation.
- GoA 3 – Driverless Train Operation (DTO)
- GoA 4 – Unattended Train Operation (UTO)

The London Overground generally operates over Network Rail Infrastructure and is at GOA1.

The Trams network is operated by Line of Sight and whilst having automated route setting, it is regarded as GOA0.

The following table covers the London Underground lines (including Elizabeth Line):

Line	Current mode of operation
Waterloo & City	GOA1
Central	GOA2
Bakerloo	GOA1
Victoria	GOA2
Piccadilly	GOA1
Sub-Surface Railway	GOA2*
Northern	GOA2
Jubilee	GOA2
Elizabeth line	GOA2
DLR	GOA3

Notes:

1. The Elizabeth Line is GOA2 in its Central Section and is GOA1 beyond Paddington (Low Level) and Stratford.
2. The Sub Surface railway is currently GOA2 throughout the Circle Line and
 - From Hammersmith to Barking on the Hammersmith & City.
 - From Finchley Road to Aldgate on the Metropolitan Line.
 - From Barons Court & Fulham Broadway to Upminster on District Line.