

Standard Category **5**

S5606

Colour Vision Standard

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1 Purpose

The purpose of this standard is to specify the minimum level of colour vision for TfL staff and outline the method of testing.

2 Scope

This standard applies to all TfL staff who operate trains, read signals at stations and in depots or require safety on the track certification where normal colour vision is a safety critical requirement as set out in S1604.

3 Requirements

3.1 Colour vision requirements

Note: This standard must be read with LU Category 1 Standard S1604 Vision standard for LU staff who require safety on the track certification.

3.1.2 Colour vision for TfL staff shall be assessed by the red and green safety critical colour vision (threshold) requirements.

3.1.3 Colour vision must meet the colour assessment and diagnosis thresholds defined in this standard.

3.2 Colour vision test

3.2.1 The colour assessment and diagnosis test shall be applied using the following standard Normal (SN) unit thresholds, determined by TfL OH:

Deutan < 7 SN

Protan < 10 SN

4 Responsibilities

4.1 The TfL Head of Occupational Health shall determine the thresholds in clause 3.2.

4.2 Before the start of work, all staff included in the scope of this standard must inform their Employing Manager of any change in circumstances which may affect their vision or safety on the track

5 Supporting information

5.1 Background

The TfL Colour Assessment and Diagnosis (CAD) thresholds were developed in collaboration with City University and determined the minimum colour vision requirements for TfL safety critical work. This will enable an additional group of people, who consistently, or intermittently, fail the Ishihara test, to work safely despite having abnormal colour vision. Staff with a mild degree of colour vision impairment will be able to carry out LU safety critical colour vision related tasks if the threshold requirements are met. This work was related to incandescent signals,

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