IRSE ////
Institution of Railway Signal Engineers

<TITLE OF PAPER>

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SUMMARY

This template is provided to Authors to assist with the formatting of Papers, in order to achieve the requirements described in the Guidelines for Authors and Presenters of Papers document.

The Summary section of the Paper should be self contained and explicit, setting out the ground to be covered and the aims of the Technical Paper. The suggested length for the Summary section should be between 100 and 200 words.

The Heading for the Summary section is formatted in Arial Narrow Italic 14 Point Bold font. The Heading is formatted with 6 point spacing before and after the heading.

The remaining text is formatted as Arial Narrow Italic 11 point using Full Justification. Each paragraph is formatted with 6 point spacing after the paragraph. Double character spacing is to be used between all sentences in the paper.

1   INTRODUCTION

The main purpose of the Introduction is to enable the paper to be understood without undue reference to other sources. It should therefore have sufficient background material for this purpose. Generally highly specialised papers will not need extensive introduction as interested readers may be expected to be familiar with current literature on the subject. On the other hand, when a paper is likely to interest engineers working in fields outside the immediate area of the paper, the introduction should contain background material which could otherwise become scattered throughout the paper.

The suggested length for the Introduction section should be between 100 and 200 words.

2   MAIN TEXT

2.1   Formatting of Text

The main text is formatted using "Normal" style as Arial Narrow 11 point font with Full Justification. The paragraph is formatted with 6 point spacing after the paragraph. Double character spacing is to be used between all sentences in the paper.

2.2   Headings

Begin each heading at the left hand margin of the column using the appropriate "Heading" style. The headings are formatted with 6 point spacing before and after the heading.

2.2.1   First level headings

These should be numbered and formatted in capitals, using Arial Narrow 14 point Bold font.

2.2.2   Second level headings

These should be formatted with the first letter of each word in capitals (except linking words such as "and" or "of") using Arial Narrow 12 point Bold font.

2.2.3   Third level headings

These should be formatted with the first letter of the first word only in capitals, using Arial Narrow 11 point Bold font.

2.3   Equations and Special Notation

Equations should be numbered consecutively, as they appear in the text of the document. If the paper makes use of symbols or other specialised nomenclature, they should be listed and defined. Large tables and lengthy mathematical derivations should be put into an appendix at the end of the paper.

2.4   Illustrations

It is preferable that all diagrams, graphs and photographs be embedded within the document. The preferred method of inserting a photograph is to insert the image as a JPEG file. The label for figures should be Arial Narrow 11 point italic

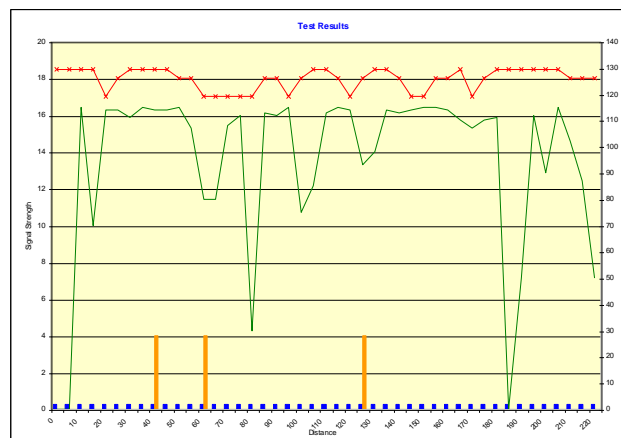*Figure 1: Level Crossing Installation*

2.5   Headers and Footers

Arial Narrow 10 point font shall be used for all headers and footers.

The header should be left blank, and the footer should contain the title of the paper and page numbering as in this template.

2.6   Use of Colour

The use of colour throughout the paper is encouraged, particularly for diagrams, graphs and photographs. However the choice of colours should be made so that successful printing can be achieved using a black and white printer. Authors may want to consider the use of different types of line (e.g. solid line/ dotted line) or distinct data point markers on each line in order to assist in this.

Figure 2: Test Results

2.7   Use of Bullets

Where bullets are used then the preference is to use the round bullet indicator with the formatting as described below.

This is a demonstration of text that is part of a bullet point and the formatting to take note of:

- The location of the bullet at 0.63cm;

- The location of the text at a tab stop of 1.52cm;

- And also, the paragraph formatting which has been set to hanging at 0.89cm which helps the second line of text to nicely line up.

3   CONCLUSION

The Conclusion for the published technical paper should be self contained and explicit, setting out the ground covered and the principle conclusions reached. The suggested length for the Conclusion is 100 to 200 words.