Corrections

# General Corrections

Throughout the thesis a number of spelling and grammar errors were identified. All of these have been corrected, including those listed under “Minor corrections” in the document supplied by Dr Volckaert and those noted on the thesis by Dr Chen.

Any questions listed either in Dr Volckaert’s document or Dr Chen’s annotations of the thesis not explicitly addressed in this document were answered in person in the course of the viva.

# Chapter one:

A summary of the papers published in the course of this project was added as a section added at end of chapter.

The sentence: “the consensus of the research is that ontology will save money and improve customer service.” Was expanded upon, as per Dr Volckaert’s request.

Clarified that the work is broader than the UK rail industry

**Summarise academic innovations of this project**: aims and objectives section clarified

# Chapter two:

* More recent railML reference found. Previous reference (2010) was valid, however a newer reference was requested and found.
* Examples were added for the formats discussed.
* RaCoOn defined when first mentioned.
* Information Security: section re-titled and clarified
* Section Headings updated
* Formatting
* Reference to turtle added as per Bruno request in chapter 4

# Chapter three:

Only spelling and grammar corrections were required in this chapter.

# Chapter Four:

**Additional information as to the academic purpose added in the introduction and the conclusion**

Formatting changes as requested

Removed multiple screen shots of manual data entry tool and replaced with new diagram. The screen shots were moved to an appendix, as requested. The chapter text was updated to reflect this.

CIF file format example provided and explained

Clarified memory footprint

Generic references to “The Program” removed or clarified

Processing time figure recreated with new data

Processing time data added as table

Processing time linearity clarified (i.e. it’s not linear) and further discussed in results section.

License added at github

Further work extended

# Chapter Five:

Rename Chapter: Use of a Middleware Layer with Ontologies

Diagrams clarified and expanded

Future work expanded: scalability and datastore access speeds are particular is discussed.

**Academic Questions set out in introduction (subsection entitled: Questions Considered)**

# Chapter Six:

**Academic questions further considered as part of the introduction – subsection: Questions Considered**

Role of commercial partners clarified and the proportion of the work carried out by the candidate clarified, as discussed at the viva.

Define PCIDR : Track based Point Control Inhibit, and Detection Repeat (PCIDR) and Control

Define RETS: RETS is a rail network simulator used by the project's commercial partner, capable of micro level simulation and of outputting absolute positions, where it has the necessary data.

Diagrams (figures 6.7-6.9) revised and made smaller

Meaning of “Points” clarified – a synonym for switches or turnouts in this context.

Further work selection expanded

dotNetRDF performance considered

# Bibliography:

Minor formatting issues were addressed