

STM INTERFACE GUIDE

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Reviewed -			

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1.Document Introduction

1.1 Overview of Project

The STM system is composed of;

- A central information processing engine
- A number of information feeds from various sources
- A central database

Incoming information is used to determine the best course action to output to the traffic network controllers.

All information coming into the system and control outputs going to the traffic network controllers is logged into the database.

1.2 Purpose of Document

This document provides technical information for 3rd parties to extract information from the STM database.

1.3 Scope of the Document

This document only defines the user interface to the database. Other schema, table definitions, relationships, indexes etc are defined elsewhere.

The user interface is implemented in STM Versions 1.4.6 and onward.

2.Database

The database used is PostgreSQL <http://www.postgresql.org/>

2.1 Location

The usual configuration is for the database to run on the STM machine although is possible to use a remote database.

2.2 Access

Access is provided via TCP/IP on port 5432

2.3 Username

Third party clients should access the database with a username of *stmguest*. This will provide read only access to the views.

2.4 Views

The following views are provided for 3rd party clients

View Name	Fields Provided
view_avl	STM Time Traffic Signal Movement Trigger Point Priority Schedule Deviation Local VCC Vehicle Date Time Sequence
view_fbits	UTC Time SCN F Bits
view_gbits	UTC Time SCN G Bits
view_plan_selections	UTC Time SCN Plan

2.5 Notes

Although other views and tables may be present and visible in the STM database it cannot be guaranteed that the names and details of any tables and/or views other than the ones documented above will remain consistent in future versions of the system.

3.Document Control

3.1 Maintenance and Distribution

This document is subject to formal change and control procedures as required by the Quality Management System (QMS).

3.2 Amendment History

Issue	Date	Change Descriptions	Author
1	07/04/14	Initial release	A Smith
2	01/08/15	Rebranding	A Smith

3.3 Abbreviations

STM Strategic Traffic Management

3.4 Referenced Documents

Title	Doc Ref	Issue
[1]		
[2]		

3.5 Related Documents

Title	Doc Ref	Issue
[1]		
[2]		