



improving
public transport
through technology

Electronic Display Standard Interface

CONTENT MANAGEMENT SYSTEMS TO DISPLAY COMMUNICATIONS

Background

- Transport for Wales procurement proposed late 2021 for:
 - Bus data service – including RTI engine
 - Central content management system
 - Display framework

- Would like to have a standard interface between CMS and displays

- 25,000 bus stops in Wales
- 600 existing displays

Background

- RTIG work in 2015:
 - Display interface specification and implementation guidelines
 - Principle of interface not actual interface
- English authorities expressing interest

Proposal

Basic text based displays



represent real time vehicle arrival/ departure information, text based messages and hold the scheduled timetable for at least that day's services

Off grid displays



these will not have ready access to power and may not have significant data bandwidth available to show graphical content.

Graphical Displays



in addition to the minimum capability, also be able to provide additional information such as weather, news feeds, advertising, information videos etc.

Key Functions

- Basic real time content distribution
- Message distribution
- Graphic distribution
- Fault management
 - Display online
 - Fault status

- New displays
- Existing displays?

Progress

- Initial workshop

 - 11 August

- Follow on workshop

 - 16 September

- End 2021

 - Basic text display interface

 - Documentation

 - Plan for developing upon basic text display





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