Content Management System to Electronic Display Standard Interface

March 2022

Transport for Wales would like to specify a standard interface between the Content Management System and RTI Displays, that suppliers would need to comply/work with to enable TfW to procure a single CMS that can interface to multiple displays from a number of suppliers.

The standard will specify the minimum capability that is to be expected of all displays supported through the interface (i.e. be able to represent real time vehicle arrival/departure information, text based messages and hold the scheduled timetable for at least that day's services).

The interface will cater for the following:

- Basic text based displays
- Graphical displays - in addition to the minimum capability, also be able to provide additional information such as weather, news feeds, advertising, information videos etc.
- Off grid displays - these will not have ready access to power and may not have significant data bandwidth available to show graphical content.

The first two parts:

- Part 1 - Architecture
- Part 2 – Core Content Messages

Have been published:

https://rtig.org.uk/projects/CMS_PID_Interface

Attention now turns to the functions that the graphical display interface should support and what information is required by suppliers of graphical displays to achieve these functions.

Should time allow we will progress to fault reporting and management data.

Project documentation and the draft for review can be found at:

https://www.rtig.org.uk/projects/CMS_PID_Interface

The current roadmap for the standard is as follows:

Content Management System – Display Interface Road Map

	Activities	Outputs
September – December 2021	Text Displays Research & workshops ↔ Consultation	
January 2022	Graphical Displays Research & workshops	**Part 1** Communications Architecture Network Architecture · **Part 2** Common Data Structures Core Content Messages
February – March 2022	Graphical Displays Research & workshops ↔ Consultation · Additional Services Research & workshops ↔ Consultation	
April 2022	Off-Grid Displays Research & workshops ↔ Consultation	**Part 3** Graphical Display Messages · **Part 5** Additional Services: Fault Management, Reporting
May 2022		**Part 4** Off-Grid Display Messages
June 2022 – December 2022	Initial Implementations (New Installations) ↔ Implementation Support · Initial Implementations (Existing Installations) ↔ Consultation & Review	**Part 6 +** Additional Requirements Not Yet Defined · **Part ?** Updated Based on Implementations
January 2023 - Onwards	Long Term Maintenance	