



System Requirements Specification for R- ICMS: *Regional Integrated Corridor Management System*

Version: 1.0

Approval date: insert approval date



DOCUMENT CONTROL PANEL		
File Name:	R-ICMS-REQ-1.0.docx	
File Location:	https://fldot.sharepoint.com/sites/FDOT-EXT-TEO/D5TSMO/DataInitiatives/ICMS/Shared Documents/04 Requirements/System Requirements Specification/R-ICMS-REQ-1.0.docx	
Version Number:	1.0	
Name		Date
Created By:	Clay Weston, SwRI	5/14/2018
	Robert Heller, SwRI	5/14/2018
Reviewed By:	Clay Packard, VHB	5/18/2018, 12/18/2018
	Matthew Juckes, Kapsch	5/18/2018
	Kevin Miller, Kapsch	5/18/2018
	Tushar Patel, FDOT	5/18/2018
Modified By:	Clay Weston, SwRI	10/6/2018
	Robert Heller, SwRI	10/5/2018
	Clay Weston, SwRI	10/21/2018, 12/18/2018
Approved By:	Tushar Patel, FDOT	12/18/2018

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List of Acronyms and Abbreviations

COTS.....	Commercial Off the Shelf
DFE	Data Fusion Environment
DSS	Decision Support System
FDOT.....	Florida Department of Transportation
IEN	Information Exchange Network
LRU	Lowest Replaceable Unit
R-ICMS.....	Regional Integrated Corridor Management System
SRS.....	System Requirements Specification
SwRI.....	Southwest Research Institute
TSM&O	Transportation Systems Management and Operation

1 Overview

The System Requirements Specification establishes the functional, performance, design, development, and verification requirements for this project. This document contains requirements gathered from the contractual elements typically consisting of the contract document, scope of work, concept of operations document, request for proposals, etc. The System Specification defines the set of requirements to be verified as part of the acceptance of the ITS project.

1.1 Document Overview

This System Requirements Specification (SRS) is organized as two Microsoft Office files with the same identifier with the exception of the file extension.

- This Word document, R-ICMS-REQ-1.0.docx, contains information regarding the release of the document and a reference to an Excel spreadsheet containing the requirements.
- The referenced Excel spreadsheet, R-ICMS-REQ-1.0.xlsx, contains the system requirements.

Additionally, requirements will be tracked on an ongoing basis in RMsis, the requirements management tool integrated with the JIRA issue tracking tool.

1.2 Project Overview

1.2.1 Project Identification

Project Name: Central Florida Regional Integrated Corridor Management System.

Agreement Number: BE521

Financial Project Identification: 436328-1-82-01

Federal Aid Project Number: Not Applicable.

1.2.2 Purpose and Scope

The R-ICMS will consist of, but not be limited to; commercial off-the-shelf (COTS) modeling software (provided by the DEPARTMENT), a custom built Decision Support System (DSS), a custom built Information Exchange Network (IEN) subsystem that includes dashboards and other user interfaces to the system, and a Data Fusion Environment (DFE) to host data sources for both the R-ICMS and other external users and applications.

1.3 Referenced Documents

The following documents, of the exact issue shown, form a part of this document to the extent specified herein. In the event of a conflict between the contents of the documents referenced

herein and the contents of this document, this document shall be considered the superseding document.

<i>Standard Written Agreement, Agreement Number BE521</i>	<i>FDOT District 5 Procurement. A copy is maintained on the Project SharePoint Site.</i>
<i>ITN-DOT-16-17-5004-ICMS</i>	<i>FDOT District 5 Procurement. A copy is maintained on the Project SharePoint Site.</i>
Systems Engineering and ITS Architecture (Topic No 750-040-003)	http://www.dot.state.fl.us/proceduraldocuments/procedures.shtm
<i>R-ICMS-PSEMP-1.0.docx</i>	<i>FDOT District 5</i>

2 Requirements

The accompanying Excel spreadsheet, R-ICMS-REQ-1.0.xlsx, contains the current system / software requirements. The Excel spreadsheet is stored on the FDOT hosted SharePoint site¹ at

<https://fldot.sharepoint.com/sites/FDOT-EXT-TEO/D5TSMO/DataInitiatives/ICMS/default.aspx>

¹ Access to the SharePoint site is controlled by the FDOT District 5 TSM&O office.

DOCUMENT REVISION HISTORY			
Version Number	Approved Date	Description of Change(s)	Created/ Modified By
0.1		Initial release	May 14, 2018 Robert Heller
0.3		Requirements update based on screen sharing conference on May 18, 2018	May 25, 2018 Robert Heller
1.0		Final version of initial requirements	October 21, 2018 Clay Weston