This is a free page sample. Access the full version online.

National Standards Authority of Ireland

IRISH STANDARD

I.S. CWA 14356:2002

ICS 35.240.60

AGREED REQUIREMENTS ON MULTIMODEL TRACKING AND TRACING SYSTEMS

National Standards
Authority of Ireland
Dublin 9
Ireland

Tel (01) 807 3800
Tel (01) 807 3838

This Irish Standard was published under the authority of the National Standards Authority of Ireland and comes into effect on January 18, 2002

NO COPYING WITHOUT NSAI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

© NSAI 2002

Price Code M

Údarás um Chaighdeáin Náisiúnta na hÉireann

This is a free page sample. Access the full version online.

This is a free page sample. Access the full version online.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPAISCHES KOMITEE FÜR NORMUNG

WORKSHOP AGREEMENT

CWA 14356

November 2001

ICS 35.240.60

Agreed Requirements on Multimodal Tracking and Tracing Systems

This CEN Workshop Agreement can in no way be held as being an official standard as developed by CEN National Members.

© 2001 CEN All rights of exploitation in any form and by any means reserved world-wide for CEN National Members

Ref. No CWA 14356:2001 E

Rue de Stassart, 36 • B-1050 Bruxelles
Tel : +32 2 550 08 11 • Fax : +32 2 550 08 19

This is a free page sample. Access the full version online.

Foreword

The production of this "Agreed Requirements on Multimodal Tracking and Tracing Systems " was formally accepted of the CEN/ISSS Workshop on Multimodal End-to-End Tracking and Tracing (WS-MEET) in the Workshop's Kick-Off meeting on 22 September 2000.

The document has been developed through the collaboration of a number of contributing partners in WS-MEET. WS-MEET representation gathers a wide mix of interests, primarily coming from transport service providers, user organizations, suppliers of Tracking and Tracing systems and research.

The present CWA (CEN Workshop Agreement) has received the support of representatives of each of these sectors. A list of company experts who have supported the document's contents may be obtained from the CEN/ISSS Secretariat.

The final review/endorsement round for this CWA was started on 2001-08-16 and was successfully closed on 2001-09-10. The final text of this CWA was submitted to CEN for publication on 2001-10-15.

Initial work on the subject at the basis of this document took place by the ParcelCall consortium of the 5th framework European research project.

Considering that the document addresses an environment that is constantly changing, this CWA can only aim at offering a snapshot of the situation. The CWA therefore is expected to require regular updating in order to reflect changing circumstances.

This is a free page sample. Access the full version online.

Abstract

This document discusses the various aspects that relate to functional and technical user requirements on tracking and tracing systems. Chapter 1 provides a brief overview of some aspects relating to the usage of IT systems in freight transport. Functional requirements and user requirements are discussed in chapter 2; these lead to a number of technical and system requirements which are described in chapter 3. Finally, security requirements are outlined in chapter 4.

Some background information is provided in the Appendices. Annex A outlines and discusses the different roles users and customers may assume in relation to tracking and tracing. Descriptions of a tracking and tracing system in a business context, and a sample logistics process, which incorporates tracking and tracing and identifies the roles of the individual stakeholders in this process is given in annex B. A summary of which type of ID-device is required to meet which requirement is given in annex C. Finally, annex D provides a list of abbreviations.

This is a free page sample. Access the full version online.

Contents

page

FOREWORD 2

ABSTRACT 3

1 BACKGROUND 6

1.1 TRANSPORT 6
1.2 TRACKING AND TRACING 7
1.3 CLASSES OF USER 8
1.4 BENEFITS 8

2 FUNCTIONAL/USER REQUIREMENTS 9

2.1 GENERAL ISSUES 9
2.2 DESCRIPTION OF SYSTEM FUNCTIONALITY 10
2.2.1 MOVEMENT OF TRANSPORT UNITS 10
2.2.2 'MOVEMENT OF TRANSPORT UNIT' DATA 10
2.2.3 ASSET MANAGEMENT 11
2.3 THE PROPOSED SYSTEM ARCHITECTURE – A BRIEF INTRODUCTION 11

3 TECHNICAL/SYSTEM REQUIREMENTS 12

3.1 HIGH-LEVEL REQUIREMENTS 12
3.2 CLASSIFICATION OF TECHNICAL / SYSTEM REQUIREMENTS 13
3.3 APPLICATION REQUIREMENTS 14
3.3.1 GENERAL REQUIREMENTS 14
3.3.2 INTELLIGENT TAG REQUIREMENTS 15
3.3.3 SPECIFIC MMS REQUIREMENTS 15
3.3.4 SPECIFIC TTS REQUIREMENTS 17
3.3.5 SPECIFIC IAS REQUIREMENTS 17
3.4 MIDDLEWARE REQUIREMENTS 18

4 SECURITY REQUIREMENTS 20

ANNEX A: USERS 21

SAI GLOBAL

This is a free preview. Purchase the entire publication at the link below:

Product Page

Looking for additional Standards? Visit Intertek Inform Infostore

Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation