

Standard Recommendation S.R. CWA 16655-1:2013

# InLOC - Part 1: Information Model for Learning Outcomes and Competences

© CEN 2013

No copying without NSAI permission except as permitted by copyright law.

# S.R. CWA 16655-1:2013

Incorporating amendments/	Corrigenda/National Anne.	xes issued since public	cation:		
The National Standards Authori documents:	ty of Ireland (NSAI) produc	ces the following cate	gories of formal		
I.S. xxx: Irish Standard – r subject to public consultation.	national specification base	d on the consensus of	an expert panel and		
S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.					
SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.					
This document replaces:					
This document is based on: CWA 16655-1:2013	<i>Published:</i> 30 July, 2013				
This document was publish under the authority of the N and comes into effect on: 30 July, 2013			ICS number: 35.020		
<b>NSAI</b> 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie	<b>Sales:</b> T +353 1 857 6730 F +353 1 857 6729 W standards.ie			
Údarás um Chaighdeáin Náisiúnta na hÉireann					

CEN

S.R. CWA 16655-1:2013

WORKSHOP

CWA 16655-1

July 2013

# AGREEMENT

ICS 35.020

English version

# InLOC - Part 1: Information Model for Learning Outcomes and Competences

This CEN Workshop Agreement has been drafted and approved by a Workshop of representatives of interested parties, the constitution of which is indicated in the foreword of this Workshop Agreement.

The formal process followed by the Workshop in the development of this Workshop Agreement has been endorsed by the National Members of CEN but neither the National Members of CEN nor the CEN-CENELEC Management Centre can be held accountable for the technical content of this CEN Workshop Agreement or possible conflicts with standards or legislation.

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

This CEN Workshop Agreement is publicly available as a reference document from the CEN Members National Standard Bodies.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

© 2013 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Ref. No.:CWA 16655-1:2013 E

## S.R. CWA 16655-1:2013

# CWA 16655-1:2013 (E)

# **Contents**

F	orewo	rd	3
1	Ov	erview and Orientation	4
	1.1	Introduction	4
	1.2	A brief overview of the InLOC Model	4
	1.3	LOC definitions	4
	1.4	Structure	5
	1.5	Use and reuse	5
	1.6	Application	6
2	Sc	ope of the InLOC Model	6
3	Te	rms, definitions and abbreviations	7
4	Th	e core features of the InLOC model	8
	4.1	Features to be modelled	8
	4.2	Some of the potential options for modelling	9
	4.3	How InLOC models these features	10
	4.4	Defining and attributing levels	12
5	Мс	del diagram in the style of UML	15
6 InLOC classes and their constraints		OC classes and their constraints	17
	6.1	General	17
	6.2	The abstract LOC class	17
	6.3	The LOC definition class	18
	6.4	The LOC structure class	19
	6.5	The LOC association class	20
	6.6	The subject class	22
	6.7	The scheme class	23
	6.8	The object class	24
7	InL	OC properties and relationships	25
	7.1	General	25
	7.2	InLOC specified direct properties	25
	7.3	The type property	30
	7.4	The number property	38
	7.5	InLOC specified compound properties	39
	7.6	InLOC specified relationships	41
	7.7	Inheritance of properties	46
Ω	l ic	t of references	/Ω

#### S.R. CWA 16655-1:2013

CWA 16655-1:2013 (E)

## **Foreword**

This CEN Workshop Agreement has been drafted and approved by a Workshop of representatives of interested parties on 2013-04-17, the constitution of which was supported by CEN following the public call for participation made on 2011-09-08.

A list of the individuals and organizations which supported the technical consensus represented by the CEN Workshop Agreement is available to purchasers from the CEN-CENELEC Management Centre. These organizations were drawn from the following economic sectors:

- Education,
- Information and communication Technology.

The formal process followed by the Workshop in the development of the CEN Workshop Agreement has been endorsed by the National Members of CEN but neither the National Members of CEN nor the CEN-CENELEC Management Centre can be held accountable for the technical content of the CEN Workshop Agreement or possible conflict with standards or legislation. This CEN Workshop Agreement can in no way be held as being an official standard developed by CEN and its members.

The final review/endorsement round for this CWA was started on 2013-01-30 and was successfully closed on 2013-04-01. The final text of this CWA was submitted to CEN for publication on 2013-04-30.

This CEN Workshop Agreement is publicly available as a reference document from the National Members of The following countries: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Comments or suggestions from the users of the CEN Workshop Agreement are welcome and should be addressed to the CEN-CENELEC Management Centre.

## 1 Overview and Orientation

## 1.1 Introduction

This CWA provides and defines the Information Model for InLOC – "Integrating Learning Outcomes and Competences".

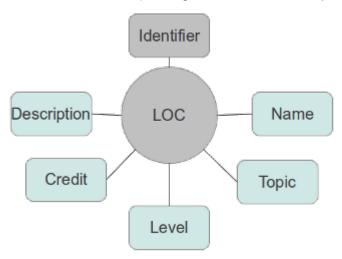
## 1.2 A brief overview of the InLOC Model

InLOC models the information that enables the definition both of intended learning outcomes and of competences (LOCs). That information is important to personal, professional and vocational development, human resources and employee performance management, training and education, whether in the workplace or in school, vocational or higher education.

InLOC helps with the management and exchange of learning outcomes and competences, by defining common characteristics of learning outcomes and competences and modelling them in formats that can be shared.

There are two main things that are modelled:

- a learning outcome or competence (LOC), taken separately from other ones;
- a structure that contains several LOCs (learning outcomes and/or competences).



## 1.3 LOC definitions

Each learning outcome or competence is associated with information. It has to have a globally unique **identifier** to uniquely distinguish it from other LOCs, and to support reuse and access. Titles or names are not enough, as the same title in different contexts may signify different LOCs.

Information that is useful to define a learning outcome or competence:

To help people understand what the LOC is, it can be given a name and a description. These
can be available in more than one language.



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

**Product Page** 

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation