

# DIN CEN/TS 15448:2015-03 (E)

Postal services - Open standard Interface between image controller and enrichment devices (OCRs, video coding systems, voting systems); English version CEN/TS 15448:2014

---

Inhalt	Seite
Foreword .....	4
Introduction.....	5
1 Scope.....	6
2 Normative references.....	9
3 Terms and definitions .....	9
4 Symbols and abbreviations.....	11
5 The Use Case Model (UCM).....	11
5.1 General .....	11
5.2 Overall Description.....	12
5.2.1 General .....	12
5.2.2 Use-Case Model Survey.....	12
5.2.3 Assumptions and Dependencies.....	15
5.3 Specific Requirements.....	22
5.3.1 Use-Case Reports.....	22
5.3.2 Supplementary Requirements .....	45
5.3.3 Rejections .....	45
6 Interface Design Description IDD .....	46
6.1 Purpose .....	46
6.2 Scope of IDD .....	47
6.3 Prerequisites.....	47
6.4 Overview.....	47
6.5 Section A – TIFF Definition.....	48
6.5.1 Tiff Usage .....	48
6.6 Section B – Mailpiece Data Definition .....	53
6.6.1 Requirements.....	53
6.6.2 Model Commitments .....	57
6.6.3 Domain Data Model & Types .....	58
7 System Design Description (SDD) – Common Part.....	132
7.1 Purpose .....	132
7.2 Overview.....	133
7.3 Architectural Goals and Constraints.....	133
7.3.1 General .....	133
7.3.2 Client Server Model .....	134
7.3.3 Client / Servant Relationships.....	134
7.3.4 Server Selection .....	136
7.4 Service Model .....	137
7.4.1 Overview.....	137
7.4.2 Exception Handling.....	139
7.4.3 Logical link between IC and ED services.....	139
7.4.4 Interface: IEnrichmentDevice .....	139
7.4.5 Interface: IImageController.....	143
7.4.6 Data definition.....	147

7.5	Behavioural Model .....	147
8	System Design Description (SDD) – Middleware dependent parts .....	148
8.1	SDD TCP/IP Implementation .....	148
8.1.1	Communication layer .....	148
8.1.2	Server selection .....	149
8.1.3	Message definition.....	149
8.1.4	Behavioural Model .....	151
8.2	SDD CORBA Implementation .....	167
8.2.1	General.....	167
8.2.2	Server Selection.....	167
8.2.3	Exception Handling .....	169
8.2.4	ORB Implementation .....	169
8.2.5	Interface Definition .....	169
8.2.6	Behavioural Model .....	172
8.3	SDD SOAP Implementation .....	199
	Annex A (informative) Introduction to XML .....	200
A.1	Introduction to XML .....	200
A.1.1	General.....	200
A.1.2	XML Document Structure.....	200
A.1.3	Introduction to XML Schema .....	201
A.2	XML Schemas.....	203
A.2.1	Domain Instance Types.....	203
A.2.2	Base Types .....	209
A.2.3	Generic Types .....	217
A.2.4	Primitives .....	219
A.2.5	Example of a Customer specific Schema Definition.....	223
A.3	The XML Instance Document.....	225
A.3.1	Type Assignment in the Instance Document.....	225
A.3.2	Examples .....	226
	Bibliography .....	237