

DIN CEN/TS 16735:2015-05 (E)

Postal services - Extensible Common Structure and Representation for Postal Rates - EPR; English version CEN/TS 16735:2015

Contents		Page
Foreword.....		4
Introduction		5
1 Scope		11
2 Normative references		11
3 Terms and definitions		11
4 Symbols and abbreviations		14
5 General Concepts		14
5.1 Extensible Common Structure and Representation for Postal Rates (EPR).....		14
5.2 Using EPR for design, communication and processing of Postal Rates		19
5.3 Time.....		19
6 EPR XML Schema		20
6.1 Introduction		20
6.2 Structure of EPR Type.....		20
6.2.1 General.....		20
6.2.2 EPR attributes		25
6.3 Dimensional weight.....		26
6.4 Calculated weight		28
6.4.1 General.....		28
6.4.2 Weight rounding		29
6.5 Zone or Distance.....		30
6.6 Calculated distance		31
6.7 Base amount		32
6.7.1 General.....		32
6.7.2 Amount rounding.....		36
6.8 Distance and weight based fees		37
6.9 Dimension-based fees.....		38
6.10 Value-based fees.....		39
6.11 Quantity-based fees		40
6.12 Amount-based fees.....		41
6.13 Date-based fees		42
6.14 Value added fees.....		43
6.15 Generic fees		44
6.16 Taxes		45
6.17 Customs charges.....		46
6.18 EPR validity		47
6.19 Terms and agreements		48
6.20 Information for human consumption.....		48
6.21 Foundation types		49
6.21.1 Table2D type.....		49
6.21.2 RowType type.....		52
6.21.3 DataElementType type		52
6.21.4 AlgorithmAndValue type		53
6.21.5 TimePeriodType type		53
6.21.6 UpuDate type		54
6.21.7 DataIntegrityInfoAlgorithm type		54
6.21.8 DataIntegrityInfoAlgorithmEnum enumeration		54
6.21.9 CodeListType type.....		55

Annex A (informative) Example of EPR definition file – La Poste COLISSIMO OUTRE-MER	56
Annex B (informative) Example of EPR definition file – USPS First Class Single Piece.....	59
Annex C (informative) Example of XML schema for base amount calculation using product key input.....	63
Annex D (informative) EPR schema files.....	68
Annex E (informative) Intellectual property.....	76
Bibliography.....	78