English version

Medical informatics - Messages for the exchange of healthcare administrative information

Informatique de santé - Messages pour l'échange d'informations d'ordre administratif dans le domaine de la santé

Medizinische Informatik - Nachrichten für den Austausch administrativer Information im Gesundheitswesen

CEN

European Committee for Standardization
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FOREWORD

This European Prestandard has been prepared by Technical Committee CEN/TC 251 "Medical Informatics", the secretariat of which is held by IBN.

The preparation of this European Prestandard was undertaken by Project Team 3-023 of CEN/TC 251 and covered by the European Commission under voucher M021/BC/CEN/93/17.10.1.

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to announce this European Prestandard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

INTRODUCTION

The increased use of data processing and telecommunications capabilities has made possible the interchange of information in machine readable and machine processable formats. As automated interchange of information in healthcare increases, it is essential to provide appropriate information interchange standards.

Computer systems are in use for the storage and processing of information in many healthcare organisations, including the offices of individual healthcare professionals such as doctors and nurses.

Electronic transfer of administrative data for identification and registration reduces the need for repeated manual data entry and the risk of transcription errors. Standards are required to facilitate the identification and registration since these processes are fundamental to the sharing of clinical and administrative information between healthcare professionals.

Implementation of this standard will therefore :

- facilitate the electronic transfer of requests for administrative data needed for the process of identification and registration in healthcare, sent from requesting healthcare parties to the healthcare parties that are able to provide the requesters with the information needed;

- facilitate the electronic transfer of administrative data to requesters and other healthcare parties;

- reduce the need for human intervention in information interchange between applications used by healthcare parties;

- minimise the time and effort required for the introduction of information interchange agreements;

- reduce the development effort required by suppliers to allow communication between a wide range of applications in this field;

- reduce (in consequence of the foregoing) the cost of information interchange between healthcare parties.

When implementing information exchange based upon this European Prestandard data protection and secrecy principles ought to be guaranteed at least at a level conforming with current legislation in force in the different CEN member countries. Security issues are outside the scope of this Prestandard.

The method by which this European Prestandard has been developed is based on the recommendations of the CEN Technical Report "Investigation of Syntaxes for Existing Interchange Formats to be used in Healthcare" (CR 1350:1993).

This document is intended for use by message developers. Its provisions are directly relevant to suppliers of computer systems for use in healthcare organisations such as hospitals, general practices, insurance companies, clinical departments and specialist clinics. Its provisions are also relevant to those planning, specifying, procuring or implementing information systems for use in healthcare organisations such as hospitals, general practices, clinical departments and specialist clinics.

The main normative provisions in this European Prestandard are expressed in clauses 4 and 5 and apply to the General Message Descriptions (GMDs), clause 7.

The symbols used in this European Prestandard have the meaning as defined in normative annex A for the purposes of this European Prestandard only. Informative annex B provides additional explanation about the General Message Descriptions and gives a number of example scenarios of message use.

A supplementary document to this pr-ENV, called "Generic EDIFACT message implementation guide", provides in its first chapters the method and conformance information on how the EDIFACT messages meet the requirements of the General Message Descriptions of the pr-ENV.

This supporting document contains message implementation guidelines for the Implementable Message Specifications (IMSs). They should be considered an essential component of the IMS providing a generic EDIFACT implementation specification for use in Europe.

Specifically these chapters cover :

– A general description of how the mapping from GMDs to EDIFACT is carried out.
– A structure table indicating how the defined IMSs meet the relationships defined in the GMDs.
– Data tables indicating how the defined IMSs support the objects and attributes of the GMDs

The supporting document is not a constituent part of this pr-ENV.

1. SCOPE

1.1   This European Prestandard specifies general administrative messages for electronic Information exchange between healthcare information systems

1.2   The messages defined in this European Prestandard provide for an identification framework for both administrative and non-administrative purposes

1.3   The messages identified in this European Prestandard pay especial attention to identification of both the individual and records pertaining to them and the registration of the individual on healthcare information systems

1.4   The messages identified in this European Prestandard, whilst containing information relating to responsibility for

payment for healthcare delivery, do not cover resource usage and resource notification including billing/financial

transactions nor the clinical aspects of health care delivery

1.5   The messages identified in this European Prestandard provide for the possibility to link existing personal data for

administrative, medical/clinical , financial and other health care purposes

1.6   The provisions of this European Prestandard have been validated in the domain and for the purposes described above. Messages conforming to this European Prestandard may be considered by some user communities to meet

their needs for purposes outside this scope. Use of the messages in these circumstances is not precluded by the scope

1.7   This European Prestandard is not applicable to the electronic interchange of clinical messages, such as the requesting or reporting of results for diagnostics tests

1.8   The messages defined in this European Prestandard provide an identification framework for patients that may be

used within other healthcare messages. The use of these messages or parts thereof for such purpose is not precluded by the scope.

2. NORMATIVE REFERENCES

This European Prestandard incorporates by dated or undated reference, provisions from other publications. These normative references are cited in the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments and revisions of any of these publications apply to this European Prestandard only when incorporated in it by amendment and revision. For undated references the latest edition of the publication referred to applies.

CR 1350 :1993	Investigation of syntaxes for existing interchange formats to be used in Healthcare
ENV 1068 :1993	Medical Informatics - Healthcare information interchange -Registration of coding schemes
ENV 1613 :1994	Messages for exchange of laboratory information
ISO 639 : 1988	Symbols for languages, geographical areas and authorities
ISO 2382 : 1987	Information processing - Vocabulary Part 4 : Organisation of data
ISO 3166 : 1988	Codes for representation of names of countries
ISO 4217 : 1990	Codes for the representation of currencies and funds
ISO 5218 : 1977	Information interchange - Representation of human sexes
ISO 6523 : 1984	Data interchange - Structure for the identification of organisations
ISO 8601 : 1988	Data elements and interchange formats - Information interchange -Representation of dates and times
ISO 8824-1: 1993	Information technology - Open Systems Interconnection - Abstract Syntax Notation One (ASN.1)Part 1 : Specification of basic notation
ISO 8859 : 1987	Information Processing - Registration of graphics characters subrepertoires - Eight-bit single byte coded graphic character sets Part 1 : Latin No 1
ISO 9735 : 1988	Electronic data interchange for administration, commerce and transport (EDIFACT) - Application level syntax rules
ISO 9798:	Information technology - Security techniques - Entity authentication mechanisms - Part 1 : General model