INTERNATIONAL STANDARD

**ISO
8583-3**

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Financial transaction card originated messages — Interchange message specifications —

Part 3:
Maintenance procedures for messages, data elements and code values

Messages initiés par cartes de transaction financière — Spécifications d'échange de messages —

Partie 3: Procédures de maintenance pour messages, éléments de données et valeurs de code

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 8583-3 was prepared by Technical Committee ISO/TC 68, *Banking, securities and other financial services*, Subcommittee SC 6, *Retail financial services*.

This second edition cancels and replaces the first edition (ISO 8583-3:1998), which has been technically revised.

ISO 8583 consists of the following parts, under the general title *Financial transaction card originated messages — Interchange message specifications*:

⎯ *Part 1: Messages, data elements and code values*

⎯ *Part 2: Application and registration procedures for Institution Identifier Codes (IIC)*

⎯ *Part 3: Maintenance procedures for messages, data elements and code values*

Financial transaction card originated messages — Interchange message specifications —

Part 3:
Maintenance procedures for messages, data elements and code values

1   Scope

This part of ISO 8583 establishes the role of the maintenance agency (MA) and specifies the procedures for adding messages and data elements to ISO 8583-1 and to codes listed in Annex A of ISO 8583-1.

The responsibilities of the MA relate to all message type identifiers and classes, data elements and sub-elements, dataset identifiers and codes within ISO 8583-1, with the exception of Institution Identification Codes.

2   Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 8583-1, *Financial transaction card originated messages — Interchange message specifications — Part 1: Messages, data elements and code values*

ISO 8583-2, *Financial transaction card originated messages — Interchange message specifications — Part 2: Application and registration procedures for Institution Identification Codes (IIC)*

3   Terms and definitions

For the purposes of this document, the following terms and definitions given in ISO 8583-1 and the following apply.

3.1
sponsoring authority
entity that submits requests for changes to ISO 8583 (all parts) to the RMMG

4   Application procedures

4.1   Application procedure for changes to ISO 8583-1

An applicant shall apply to the appropriate sponsoring authority to request approval of a new message type identifier or class, data element or sub-element, dataset identifier or code value by providing the information specified in Annex A.

An applicant shall also provide the information specified below:

a)   date of request;

b)   name of the applicant;

c)   address for correspondence (name, address, telephone, email address and fax/telex numbers, etc. of the applicant);

d)   date of implementation (indicate if special conditions of urgency apply).

4.2   Criteria for approval of an application for changes to ISO 8583-1

Any changes approved by the RMMG shall be uniquely identified within a specific edition of the International Standard so as to allow backwards compatibility with existing implementations of the same version. Backwards compatibility within a given version of the International Standard is of utmost importance. There shall be no confusion as to existing message type identifiers or classes, data elements or sub-elements, dataset identifiers or code values introduced by a proposed change.

The use of bit maps allows for the proper validation and acceptance or rejection of messages by implementations of ISO 8583 (all parts) for functions that are supported and allows unsupported data elements and message types to be ignored.

An application for a change to the International Standard shall be approved by the RMMG when the following conditions exist:

a)   the requested message type identifier or class, data element or sub-element, dataset identifier or code does not duplicate a message type identifier or class, data element or sub-element, dataset identifier or code value already included in the International Standard;

b)   the requested message type identifier or class, data element or sub-element, dataset identifier or code value is intended for use within an implementation of ISO 8583-1 and is to be included in it;

c)   the request does not concern the change in meaning or deletion of an existing message type identifier or class, data element or sub-element, dataset identifier or code value (this can only be done by a revision of ISO 8583-1);

d)   the request does not concern the change in meaning or deletion of an existing data element condition code (this can only be done by a revision of ISO 8583-1);

e)   the request is not for the reassignment of an existing message type identifier or class, data element or sub-element, dataset identifier or code value (this can only be done by a revision of ISO 8583-1);

f)   the request is consistent with existing relevant International Standard, including those published by other ISO technical committees;

g)   the information provided in the application is complete.

5   Appeal process

5.1   Appeal bodies

Where an application has been rejected by the RMMG, the applicant may appeal to ISO through the secretariat of ISO/TC 68/SC 6. Applicants may submit, for appeal, applications that have been rejected by ISO/TC 68/SC 6 to the ISO Central Secretariat.

5.2   Information to be provided

Where an application for a new message type identifier or class, data element or sub-element, dataset identifier or code value has been rejected, the following information shall be provided by the applicant to the relevant appeal body in support of the appeal:

a)   statement for which rejection is disputed and why the applicant believes that the rejected application fulfils the criteria for acceptance;

b)   statement of special circumstances whereby a specific requirement of the rejected application can be met.

6   Balloting process

Where an application for a new message type identifier or class, data element or sub-element or dataset identifier has been submitted and approved by the RMMG, it shall be necessary to create an amendment to ISO 8583-1 that documents the changes. The amendment (e.g. technical changes to the document) shall be balloted to ISO members using the most expeditious ISO amendment procedure.

If the change is only for a new code value for an existing data element documented in Annex A of ISO 8583-1, the RMMG can approve the request with no need for an ISO ballot.

7   Sponsoring authority

7.1   Eligibility to become a sponsoring authority

The following bodies may act as a sponsoring authority in processing applications for a new message type identifier or class, data element or sub-element, dataset identifier or code value:

a)   any national member body of ISO (or agent appointed to act for its national member body);

b)   ISO/TC 68/SC 6.

7.2   Responsibilities

The responsibilities of a sponsoring authority shall be:

a)   to fully comply with the procedures for applications described in this part of ISO 8583 for new message type identifiers or classes, data elements or sub-elements, dataset IDs or code values and to ensure that the applicant uses ISO 8583-1;

b)   to process, within 30 days of receipt of the request, applications for new message type identifiers or classes, data elements or sub-elements, dataset IDs or code values from within their countries or areas of responsibility;

c)   to notify the applicant in writing, within 30 days of receipt of the application, as to the disposition of their application;

d)   to forward to the MA those sponsored requests for new message type identifiers or classes, data elements or sub-elements, dataset IDs or code values that shall be used for the purposes described in this part of ISO 8583 and that meet the approval criteria in 4.2;

e)   to respond to general enquiries covering this part of ISO 8583.

8   Registration and maintenance management group (RMMG)

8.1   Constitution

In order to effectively manage the contents of ISO 8583-1, TC 68/SC 6 has established an RMMG, which is empowered to act on its behalf.

The following chart shows the relationship of the RMMG to ISO TC68/SC6, the registration authority that handles IICs as defined in ISO 8583-2 and the maintenance agency as defined in this part of ISO 8583.
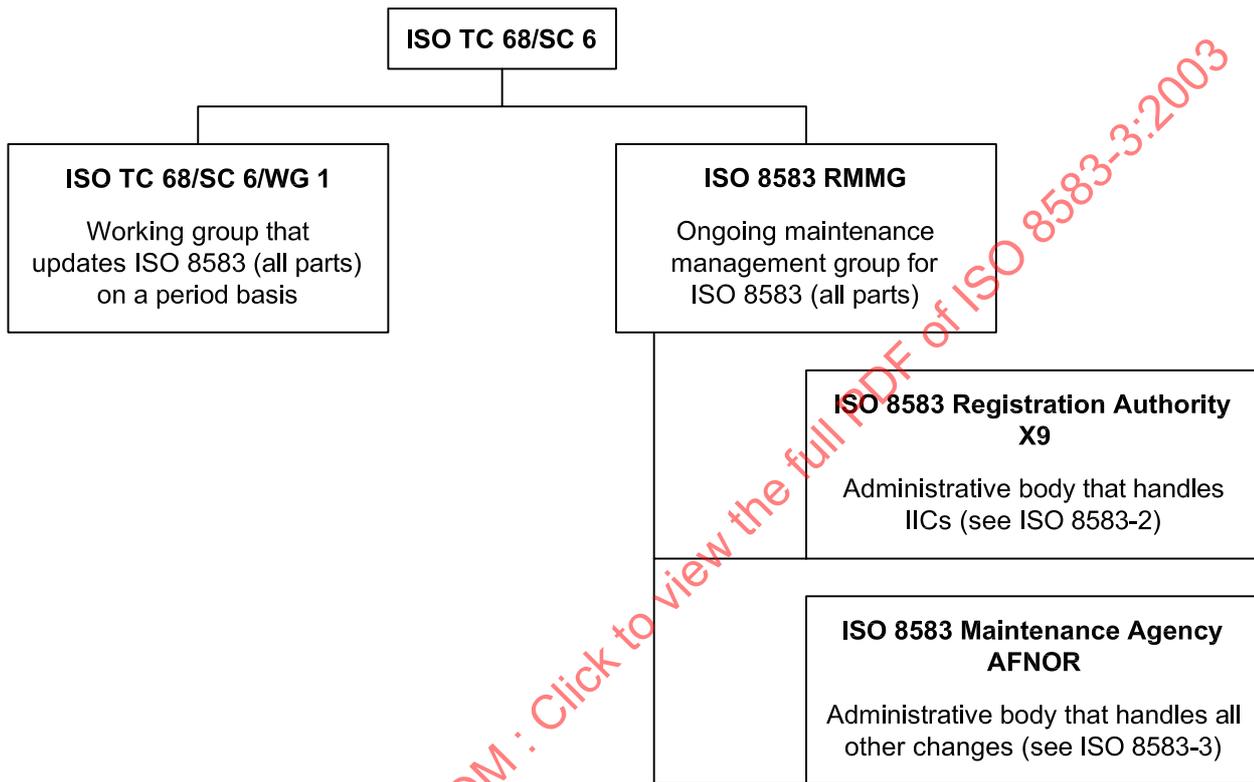

Figure 1 — Relationship of maintenance bodies

The RMMG shall be made up of:

a)   a representative of the MA, who shall be a non-voting member of the RMMG and shall be expected to attend all meetings;

b)   the convener;

c)   the secretary.

In addition, each member of ISO/TC 68/SC 6 is entitled to nominate one delegate and one alternate to the RMMG. The alternate may attend all meetings, but is entitled to vote only in the absence of the principal delegate.

8.2   Responsibilities

The responsibilities of the RMMG shall be:

a)   to act on all applications forwarded from the MA;

b) to respond to all requests for guidance from the MA;

c) to approve the report from the MA;

d) to review annually the register of the codes of Annex A of ISO 8583-1;

e) to report its activities to each meeting of ISO/TC 68/SC 6;

f) to establish in the normal course of work, additional rules for the practical application of the principles for adding new message type identifiers or classes, data elements or sub-elements, dataset IDs or code values within this part of ISO 8583.

8.3 Voting procedures

All requests will be dealt with by the RMMG who may use a postal or electronic ballot or voting at a meeting to authorize requests.

a) If the request is only for new code values for an existing data element documented in Annex A of ISO 8583-1, the approval by a majority of the voting members of the RMMG is all that is required.

b) If the request is for more than ten consecutive code values for an existing data element documented in Annex A of ISO 8583-1, the unanimous approval of the RMMG (with at least five members voting) is required.

c) If the request is for new message type identifiers or classes, data elements or sub-elements, or dataset identifiers, the unanimous approval of the RMMG (with at least five members voting) is required.

When a postal or electronic ballot fails to reach a decision, it shall be referred to a meeting.

9   Maintenance agency

9.1 Appointment

One of the members of ISO/TC 68/SC 6, or any approved body, shall be appointed to act as the MA under legal agreement with ISO in accordance with Annex H of the ISO/TC 68 Directives. The current address of the MA of ISO 8583-1 is:

AFNOR

ISO 8583-1 Maintenance Agency

11 avenue Francis de Pressensé

93571 Saint-Denis La Plaine Cedex

FRANCE

9.2 Resignation

If a MA finds it necessary to resign, six months notice shall be given to the ISO Central Secretariat and to the secretariat of ISO/TC 68/SC 6. The secretariat of ISO/TC 68/SC 6 shall notify the RMMG and initiate a search for a new MA. If a new MA cannot be found within six months, the ISO/TC 68/SC 6 secretariat shall assume the responsibilities of the MA on a temporary basis until a replacement is found.

9.3   Responsibilities

9.3.1   Processing of requests for changes to code values in Annex A of ISO 8583-1

The MA shall be responsible for:

a)   processing requests for new code values;

b)   obtaining approval from the RMMG members of all assignments before confirmation to the applicant;

c)   maintaining the database of all codes listed in Annex A of ISO 8583-1.

9.3.2   Processing of request for new message type identifiers or classes, data elements or sub-elements, or dataset identifiers

The MA shall be responsible for:

a)   processing requests for new message type identifiers or classes, data elements or sub-elements or dataset identifiers;

b)   obtaining approval of the RMMG members;

c)   submitting for ISO ballot all amendments approved by the RMMG containing any changes needed for new message type identifiers or classes, data elements or sub-elements, or dataset identifiers.

9.3.3   Administrative duties

The MA shall be responsible for:

a)   submitting to the RMMG any requests for changes to ISO 8583-1;

b)   notifying the applicant in writing, within one month of receipt of the application, as to the disposition of their application. If the application for a message type identifier or class, data element or sub-element, dataset identifiers or code value is rejected, the notification to the applicant shall include a complete reason for rejection, citing the appropriate criteria under 4.2;

c)   submitting activity reports for review to each meeting of the RMMG. These reports shall be sent to the secretary of the RMMG prior to each meeting, in a time frame agreed to by both parties;

d)   submitting annually to the secretariat of ISO/TC 68/SC 6 and to the RMMG a copy of the database of all codes listed in Annex A of ISO 8583-1 and of all approved amendments;

e)   ensuring publication and distribution of the codes listed in Annex A of ISO 8583-1 and of approved amendments;

f)   retaining as a permanent record copies of all applications submitted to it, along with the disposition of each application.

10   Publication of changes to ISO 8583-1

In January of each year, a copy of all approved amendments and a list of all new codes assigned during the preceding year will be published by the MA and circulated to all ISO/TC 68 members.

All approved amendments and changes to the tables of codes of ISO 8583-1 will be incorporated at each revision of that International Standard, including the periodical revision of International Standards cited therein.

Annex A
(normative)

Information to be provided for changes to ISO 8583-1

A.1 Changes required

A.1.1 Parts of ISO 8583-1 requiring change

The following parts of ISO 8583-1 are likely to require modifications, depending on the type of change requested.

A.1.2 Terms and definitions (Clause 3)

If there are any terms and definitions associated with this change, they shall be added to Clause 3.

A.1.3 Data element directory (6.1)

Table 3 is the principal reference source for data elements by name. Any new data element or sub-element shall be defined with:

a) a name for the data element;

b) the relevant text for the description, format, representation, notes, bit, composite and constructed columns.

The actual bit allocation shall be made by the RMMG and may be different from that included in the proposal. Any differences shall be explained by the RMMG in their response.

References in the notes column of Table 3 shall only be to subclauses of Clause 6 and Annex A or to the Bibliography.

A.1.4 Specific requirements for primitive data elements (6.3)

Primitive data elements may have a suitable sub-clause added to 6.3. A proposal for a new primitive data element shall define the requirements according to the needs of the data elements, but shall follow the style and layout of existing subclauses wherever possible. Any significant deviation shall be explained in the proposal to the RMMG.

A.1.5 Specific requirements for constructed data elements (6.4)

All constructed data elements shall have a suitable subclause added to 6.4, which shall include all the sub-elements assigned to each constructed data element. A proposal for a new constructed data element shall define the requirements according to the needs of the data elements, but shall follow the style and layout of existing subclauses wherever possible. Any significant deviation shall be explained in the proposal to the RMMG.

A new sub-element shall not be added to an existing *constructed* data element within a specific edition of ISO 8583-1. This would change the length of the data element and not allow backwards compatibility within the same edition.

A.1.6 Specific requirements for composite data elements (6.5)

All composite data elements shall have a suitable subclause added to 6.5, which shall include all the dataset identifiers associated with the composite data element, and all the sub-elements assigned to each dataset identifiers. A proposal for a new constructed data element shall define the requirements according to the needs of the data elements, but shall follow the style and layout of existing subclauses wherever possible. Any significant deviation shall be explained in the proposal to the RMMG.

A.1.7 Mandatory and conditional data elements (7.1.2)

Table 25 defines the data element condition codes. If a new data element or message type creates the need for a new condition code, the proposal shall include a definition of the condition code.

A.1.8 Message class definitions (Clause 8)

A.1.8.1   General

This clause describes each of the message classes in detail e.g. authorisation, financial presentment, etc.

A.1.8.2   New message class

All new message classes shall have a suitable subclause added to Clause 8, which shall include the following:

a)   message class description;

b)   rules;

c)   message type identifiers;

d)   mandatory and conditional data elements;

e)   message flows.

A.1.8.3   Changes to existing message class

If there are any changes to existing message classes associated with the usage of a new data element, the new data element shall be added to the relevant message classes in Clause 8 with the appropriate condition codes.

A.1.9 Code listings (Annex A)

To propose a new table for a new data element or a new value for an existing code in Annex A of the ISO 8583-1, the following information shall be provided:

a)   definition and proposed use;

b)   if applicable, description of mandatory or conditional use of new value;

c)   if applicable, description of impact on other data elements.

A.1.10 Data elements in bit number order (Annex B)

This is the principal reference for data elements by bit number.

If the proposal includes a new data element of sub-element, it shall include the appropriate text for each box of the table. The information shall match the proposal for 6.1, Data element directory.