INTERNATIONAL STANDARD

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Identification cards — Integrated circuit cards —

Part 5: Registration of application providers

Cartes d'identification — Cartes à circuit intégré —

Partie 5: Enregistrement des fournisseurs d'application

Reference number
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Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms, definitions and abbreviated terms 1
3.1 Terms and definitions 1
3.2 Abbreviated terms 1

4 Registration of international identifiers 2
4.1 Request and registration procedures 2
4.2 Appeal process 2
4.3 Responsibilities of applicants 3

5 Sponsoring Authorities 3
5.1 Eligibility to become a Sponsoring Authority 3
5.2 Responsibilities 3

6 Registration Management Group (RMG) 4
6.1 Constitution 4
6.2 Responsibilities 4
6.3 Voting procedures 5

7 Registration Authority 5
7.1 Appointment 5
7.2 Resignation 5
7.3 General reponsibilities 5
7.4 Responsibilities to applicants requesting a RID 6

8 The register of RIDs 6
8.1 Publication and availability 6
8.2 Contents 6

Annex A (normative) **Registration form for a registered application provider identifier of category A** 7
A.1 To be completed by the requesting organization 7
A.2 To be completed by national standards body 7
A.3 To be completed by ISO/IEC 7816-5 registration authority 7

Annex B (informative) **National registration** 8
B.1 Introduction 8
B.2 Operation of national numbering systems 8
B.3 Contact with the registration authority 8
B.4 Role of registration management group 8

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

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

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national 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 and IEC shall not be held responsible for identifying any or all such patent rights.

ISO/IEC 7816-5 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 17, *Cards and personal identification*.

This second edition cancels and replaces the first edition (ISO/IEC 7816-5:1994) and incorporates the Amendment ISO/IEC 7816-5:1994/Amd.1:1996). The technical content of Clauses 5 and 6 of the first edition is now to be found in the second edition of ISO/IEC 7816-4, and Annex A has been technically revised.

ISO/IEC 7816 consists of the following parts, under the general title *Identification cards — Integrated circuit cards*:

— *Part 1: Cards with contacts: Physical characteristics*

— *Part 2: Cards with contacts: Dimensions and location of the contacts*

— *Part 3: Cards with contacts: Electrical interface and transmission protocols*

— *Part 4: Organization, security and commands for interchange*

— *Part 5: Registration of application providers*

— *Part 6: Interindustry data elements for interchange*

— *Part 7: Interindustry commands for Structured Card Query Language (SCQL)*

— *Part 8: Commands for security operations*

— *Part 9: Commands for card management*

— *Part 10: Cards with contacts: Electrical interface for synchronous cards*

— *Part 11: Personal verification through biometric methods*

— *Part 12: Cards with contacts: USB electrical interface and operating procedures*

— *Part 15: Cryptographic information application*

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Identification cards — Integrated circuit cards —

Part 5: Registration of application providers

1 Scope

This part of ISO/IEC 7816 specifies a registration procedure for application providers, and establishes the authorities and procedures to ensure and optimize the reliability of this registration.

NOTE 1 ISO/IEC 7816-4 defines the structures of registered application provider identifiers (RIDs), and how to use them. A registered application provider identifier (RID) consists of five bytes.

NOTE 2 In international RIDs (assigned by the international registration authority), the first quartet is set to 'A'.

NOTE 3 In national RIDs (assigned by a national Registration Authority), the first quartet is set to 'D' and a relevant country code follows (see Annex B).

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/IEC 7816-4, *Identification cards — Integrated circuit cards — Part 4: Organization, security and commands for interchange*

3 Terms, definitions and abbreviated terms

3.1 Terms and definitions

For the purposes of this document, the following terms and definitions, given in ISO/IEC 7816-4, apply.

3.1.1
application provider
entity providing the components that make up an application in the card

3.1.2
registered application provider identifier
data element (five bytes) that uniquely identifies an application provider

3.2 Abbreviated terms

RID Registered application provider identifier

RMG Registration management group

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4 Registration of international identifiers

4.1 Request and registration procedures

4.1.1 Procedure for requesting a RID

An application provider (including international organisations) shall apply to the standards body of its related country (i.e. national standards body), or in the absence of a national standards body, to the secretariat of the ISO technical body responsible for this part of ISO/IEC 7816 for the assignment of a RID.

The applicant shall use the form shown in Annex A. Registration forms are also available, on request, from the Registration Authority, the secretariat of the Registration Management Group (RMG) and the secretariat of the ISO technical body responsible for this part of ISO/IEC 7816.

The national standards body or the secretariat of the ISO technical body responsible for this part of ISO/IEC 7816 then acts as the "Sponsoring Authority" (see Clause 5) with respect to the request.

4.1.2 Criteria for approval of a request for a RID

Requests for a RID shall meet all the following criteria:

a) the applicant shall be a corporate entity or its subsidiaries operating under a specific legislative regulation;

b) the applicant requesting a RID shall not already have an international RID (registration category 'A'). Exceptionally an applicant may apply for more than one RID, subject to decision by the RMG.

4.1.3 Criteria for rejection of a request for a RID

A request for a RID shall be rejected if any of the following conditions exist:

a) the applicant is not an application provider as defined by 3.1.1;

b) the applicant has requested a specific number or the reservation in the register of a specific number or has made a request which is outside the scope of this part of ISO/IEC 7816.

NOTE Where special circumstances exist, the Sponsoring Authority may approve a request and forward the request to the Registration Authority for assignment of a number. All such assignments must be reported by the Sponsoring Authority to the RMG.

4.2 Appeal process

4.2.1 Appeal bodies

Where a request has been rejected by a Sponsoring Authority, the applicant may appeal to the secretariat of the RMG (see Clause 6). Where a request has been rejected by the RMG, the applicant may appeal to the ISO technical body responsible for this part of ISO/IEC 7816 through the secretariat of that ISO technical body. Applicants may submit for appeal requests that have been rejected by the ISO technical body responsible for this part of ISO/IEC 7816 to the ISO Central Secretariat.

Appeal against rejection of a request shall be submitted to the appropriate body within 90 days of the date of the letter of rejection.

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4.2.2 Information to be provided

Where the Sponsoring Authority has rejected a request, the applicant shall provide the following information to the relevant appeal body in support of the appeal:

a) Statement of which rejection clause (see 4.1.3) is disputed and why the applicant believes that the rejected request fulfills the criteria for acceptance (see 4.1.2).

b) Statement of special circumstances whereby a specific requirement of the rejected request can be met, but such requirement is outside the current procedures and criteria for acceptance outlined in this this part of ISO/IEC 7816.

4.3 Responsibilities of applicants

The responsibilities of applicants shall be:

a) to comply fully with the numbering system defined in ISO/IEC 7816-4 and with the procedures for requesting RIDs as contained in this part of ISO/IEC 7816;

b) to forward to its national standards body, or in the absence of a national standards body, to the secretariat of the ISO technical body responsible for this part of ISO/IEC 7816, a completed registration form, (see Annex A) together with the requisite fee;

NOTE The registration fee is not refundable.

c) to retain the completed registration form containing the RID assigned to the applicant by the Registration Authority;

d) to inform the Sponsoring Authority of any modification to the data related to the assigned RID.

5 Sponsoring Authorities

5.1 Eligibility to become a Sponsoring Authority

The following bodies may act as Sponsoring Authorities in processing requests for RIDs:

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

b) the ISO technical body responsible for this part of ISO/IEC 7816 (or agent appointed to act for the ISO technical body).

5.2 Responsibilities

The responsibilities of a Sponsoring Authority shall be:

a) to comply fully with the numbering system defined in ISO/IEC 7816-4 and with the procedures for requesting RIDs as contained in this part of ISO/IEC 7816;

b) to process within 30 days of receipt of requests, requests for RIDs from within their countries or areas of responsibility;

c) to notify the applicant in writing, within 30 days of receipt of the request, as to the disposition of their request. If rejected, to advise applicant of the reason(s);

d) to ensure that section A1 of the registration form has been filled in correctly;

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e) to confirm whether or not the applicant already has an international RID;

f) to forward to the Registration Authority (see Clause 7) requests for RIDs that meet the approval criteria, together with the requisite fee in a form determined by the Registration Authority;

g) on receipt of the number assignment from the Registration Authority, to inform the applicant of the number assignment, returning the completed registration form containing the number assignment to the applicant, informing it of the requirement to retain the completed registration form as a permanent record;

h) to reject requests for a specific number and for reservation of a specific number or any request outside the scope of this part of ISO/IEC 7816; or, where special circumstances exist, to approve such a request and to put forward a copy of the relevant papers to the RMG for review;

i) to respond to general enquiries covering this part of ISO/IEC 7816;

j) to establish and maintain a national numbering system where necessary according to Annex B;

k) to forward to the Registration Authority any modification to the data related to an assigned RID.

6 Registration Management Group (RMG)

6.1 Constitution

In order to effectively manage the Registration system for applications in IC cards, the ISO technical body responsible for this part of ISO/IEC 7816 has established a RMG, ISO/IEC JTC1/SC17/WG5, which is delegated to act on its behalf.

The RMG shall be made up as follows:

a) a representative of the Registration Authority who shall be a non-voting member of the RMG and shall be expected to attend all meetings;

b) each P and L member of the ISO technical body responsible for this part of ISO/IEC 7816 is entitled to nominate one delegate and one alternate to the RMG. The alternate may attend all meetings but is entitled to vote only in the absence of the principal delegate;

c) the convenor of the RMG and the secretariat of the RMG, nominated from the membership of the RMG.

6.2 Responsibilities

The responsibilities of the RMG shall be:

a) to ensure that applicants whose requests do not fulfill the conditions in 4.1.2 are rejected and informed of the cause of the rejection and furthermore informed of their right to appeal (see 4.2);

b) to provide, on request, guidance and counsel to any national standards body on the establishment of a national numbering system;

c) to provide guidance to Sponsoring Authorities on requests which demonstrate special circumstances and requests for specific numbers. This guidance shall be decided by resolution at a meeting or in writing following a letter ballot;

d) to review at each meeting of the RMG the Registration Management Report and the Summary of the Register of Issued Numbers Report received from the Registration Authority;

e) to provide guidance to Sponsoring Authorities to ensure that they comply with the criteria laid down within this part of ISO/IEC 7816;

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f) to respond to all requests from the Registration Authority within 60 days of the date of request;

g) to review annually the register of RIDs and to report the activities of the RMG to each meeting of the ISO technical body responsible for this part of ISO/IEC 7816 and as required between meetings.

6.3 Voting procedures

Where requests for assignment of a specific number(s), or any specific request outside the scope of this part of ISO/IEC 7816, have been forwarded to the RMG by a Sponsoring Authority, such requests may be dealt with either by voting at a meeting or by ballot.

By approval of a majority of returned votes in a ballot or by majority of those voting at a meeting, the RMG may authorise specific unusual requests.

Where a ballot has failed, it shall be referred to a meeting. If the RMG cannot resolve the failed ballot at a meeting, the matter shall be referred to the ISO technical body responsible for this part of ISO/IEC 7816.

Where a request has been rejected, the RMG shall notify the applicant in writing, within 30 days of the close of the ballot, or where a vote was taken at a meeting, within 30 days of that meeting, that the request has been rejected. The RMG shall state the specific reason(s) for the rejection and advise the applicant of their right to appeal to the ISO technical body responsible for this part of ISO/IEC 7816 (see 4.2).

7 Registration Authority

7.1 Appointment

For the purpose of this part of ISO/IEC 7816 and according to the rules for the designation and operation of registration authorities in the ISO Directives, the ISO Council has designated Tele Danmark to act as registration authority. The contact information for the registration authority is located on the ISO web site (http://www.iso.org) on the registration authority page.

7.2 Resignation

If a Registration Authority finds it necessary to resign, six months notice shall be given to the ISO Central Secretariat and the Secretariat of the ISO technical body responsible for this part of ISO/IEC 7816. The Secretariat of the ISO technical body responsible for this part of ISO/IEC 7816 shall notify the RMG and initiate a search for a new Registration Authority. If a new Registration Authority cannot be found within six months, the Secretariat of the ISO technical body responsible for this part of ISO/IEC 7816 in association with the ISO Central Secretariat shall assume the responsibilities of the Registration Authority on a temporary basis until a replacement is found. The information contained in the database and the associated documents remain the property of the ISO technical body responsible for this part of ISO/IEC 7816.

7.3 General reponsibilities

The responsibilities of the Registration Authority shall be:

a) to maintain the register of RIDs (see Clause 8) including its recoverability;

b) to submit a copy of the ISO register of RIDs annually to the Secretariat of the ISO technical body responsible for this part of ISO/IEC 7816 and to the RMG. The form in which this copy shall be provided shall be agreed upon by the Registration Authority and the secretariat of the ISO technical body responsible for this part of ISO/IEC 7816;

c) to submit for review to each meeting of the RMG, a Summary of the Register of Issued Numbers Report and a Registration Management Report. These reports shall be sent to the secretariat of the RMG two months prior to a meeting;

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d) to forward to the RMG, within 30 days of receipt of the request, requests where special circumstances exist;

e) to retain as a permanent record copies of all requests submitted to it, along with the disposition of each request;

f) to make available a copy of a summary of the register of issued numbers, containing at least:

- the name and address of the organization, as stated on the register,
- the RID,
- the date of RID registration

on the ISO/IEC-JTC1/SC17 website (www.sc17.com, members only, password protected).

7.4 Responsibilities to applicants requesting a RID

The responsibilities of the Registration Authority to applicants requesting a RID shall be:

a) where requests fulfill the criteria set down in 4.1.2, notify the Sponsoring Authority or the Secretariat of the ISO technical body responsible for this part of ISO/IEC 7816 as appropriate, in writing, within 30 days of receipt of the request, as to the number assignment;

b) to assign a number(s) to the applicant and to forward the completed registration form to the Sponsoring Authority, within 30 days of receipt of the sponsored request;

c) where a request is referred to the RMG, the Registration Authority shall notify the applicant, in writing, that a reply may not be received within the usual time frame, and the reason for referring the request to the RMG.

8 The register of RIDs

8.1 Publication and availability

The Registration Authority shall maintain a database of information taken directly from the registration form. From the database the Registration Authority shall publish a register of RIDs. The register shall be published in both numerical and alphabetical order. The information in the register shall be made available according to the rules given in 7.3.

8.2 Contents

The register of RIDs shall contain the following information:

a) name of organisation;

b) information as indicated on the registration form;

c) RID(s) assigned to the application provider by the Registration Authority.

A copy of each request received shall be maintained on file by the Registration Authority.

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Annex A
(normative)

Registration form for a registered application provider identifier of category A

This request is submitted in accordance with ISO/IEC 7816-5, *Identification cards — Integrated circuit cards — Registration of application providers*.

A.1 To be completed by the requesting organization

<table>
<tr><td colspan="3">Name of organization</td></tr>
<tr><td colspan="3">Address to be registered

Principal contact in organization</td></tr>
<tr><td>Telephone number</td><td>Fax number</td><td>Email Address</td></tr>
<tr><td colspan="3">Address for correspondence/billing</td></tr>
<tr><td>Date</td><td colspan="2">Signature</td></tr>
</table>

A.2 To be completed by national standards body

<table>
<tr><td colspan="2">Request received by</td></tr>
<tr><td>Date</td><td>Signature</td></tr>
</table>

A.3 To be completed by ISO/IEC 7816-5 registration authority

<table>
<tr><td colspan="2">Registered application provider identifier</td></tr>
<tr><td>Date</td><td>Signature</td></tr>
</table>

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Annex B
(informative)

National registration

B.1 Introduction

According to ISO/IEC 7816-4, the first two bytes of national RIDs shall be set to 'DX YZ' where 'XYZ' is a country code according to ISO/IEC 3166-1 for identifying a national standards body acting as a national Registration Authority. Every national Registration Authority assigns national RIDs and establishes a national register for application providers.

B.2 Operation of national numbering systems

National standards bodies are advised to establish rules by means of national standards or other methods, for identifying, by a national numbering system, application providers in integrated circuit cards. They are also recommended to make arrangements for the administration of the system, including the procedures to be adopted for application providers, when the application providers make a request for and are assigned RIDs in accordance with the rules, and the maintenance of a register of assigned RIDs (copies of which should be supplied at regular intervals to the registration authority at no cost). To this end, they may wish to appoint a responsible organization to act as their agents in the administration and maintenance of the system within their countries.

B.3 Contact with the registration authority

National standards bodies that intend to set up national numbering systems for application providers in integrated circuit cards are asked to notify the registration authority accordingly and to supply that authority with details of the national procedures for the assignment of numbers, the method used to identify applications in integrated circuit cards, and the name of the organization administering the system.

B.4 Role of registration management group

The registration management group in the ISO technical body responsible for this part of ISO/IEC 7816 will, on request, provide advice and counsel to any national standards body on the national numbering system.

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