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## Information technology — Ull scheme and encoding format for Mobile AIDC services —

### Part 2: Registration procedures

*Technologies de l'information — Schéma Ull et format d'encodage pour  
services AIDC mobiles —  
Partie 2 Modes opératoires d'enregistrement*

ISO/IEC FDIS 29174-2

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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.

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ISO/IEC 29174-2 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 31, *Automatic identification and data capture techniques*.

Along with ISO/IEC 29174-1, this first edition cancels and replaces the first edition of ISO/IEC 29174.

ISO/IEC 29174 consists of the following parts, under the general title *Information technology — Ull scheme and encoding format for Mobile AIDC services*:

- Part 1: Identifier scheme for multimedia information access triggered by tag-based identification
- Part 2: Registration procedures

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## Introduction

This part of ISO/IEC 29174 defines the Identifier (ID) scheme for multimedia information access triggered by tag-based identification, which provides the users with an improved method to access to the multimedia content without typing its address on a keyboard or inputting the name of objects and/or places of relevant information. This is one of the major communication services using identifiers in data carriers such as radio frequency identification (RFID) tags, smart cards and bar codes. International standardization of these services will enable a previously unrealized compatibility for international multimedia information services using identifiers.

The purpose of this part of ISO/IEC 29174 is to specify registration procedures of ID scheme, obligations and requirements of Registration Authority (RA) as managing the ID.

There are alternatives techniques to meet the use case addressed by this part of ISO/IEC 29174. One of those techniques is the use of EPC and ONS. Those interested in this technique are encouraged to contact GS1 for further information.

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# Information technology — Ull scheme and encoding format for Mobile AIDC services —

## Part 2: Registration procedures

### 1 Scope

This part of ISO/IEC 29174 defines the registration procedures of the ID scheme defined by ISO/IEC 29174-1. The ID scheme consists of Company Code, length and elements. The Company Code is allocated by Registration Authority (RA).

Therefore, this part of ISO/IEC 29174 specifies as follows

- registration procedures of Company Code, and
- mechanisms for the appointment of the RA.

### 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 29174-1, *Information technology — Ull scheme and encoding format for Mobile AIDC services — Part 1: Identifier scheme for multimedia information access triggered by tag-based identification*

### 3 Terms, definitions and acronyms

For the purposes of this document, the terms and definitions given in ISO/IEC 29174-1 and the following apply.

RA	Registration Authority
Ull	Unique Item Identifier

### 4 Registration Authority

#### 4.1 Responsibilities

The responsibilities of the Registration Authority (RA) are as follows:

- to receive applications (the required content of the application is specified in 4.3.1);
- to process applications within 30 days of receipt of the application form;
- if the application is accepted according to the criteria of 4.2, to allocate Company Code and to send a registration announcement to the applicant as specified in 4.3.2;
- if the application is not accepted, to send a notice of rejection as specified in 4.3.3 (the appeals process is specified in 4.3.6);
- to maintain a publicly available register of allocated Company Codes (see 4.3.4).

The permitted fee structure shall be in accordance with the ISO/IEC Directives and the JTC 1 Supplement to those directives.

## 4.2 Criteria for acceptance

An application shall be accepted if, in the technical judgment of the RA, the requested Company Code is assigned to an organization for multimedia information access triggered by tag-based identification.

The service for which the allocation of Company Code is requested shall be services, which require interchange between multiple vendors in an open environment.

## 4.3 Detailed procedures for the operation of the RA

### 4.3.1 Registration application

The application shall include at least the following information:

- name of the organization submitting the application;
- name, postal mail address, e-mail address, and optionally telephone and fax numbers for the contact point within the requesting organization;
- full identification of the person submitting the application (including their role in the organization).

### 4.3.2 Registration announcement

The RA shall send a registration announcement to an applicant when the assignment of a Company Code has been agreed. The registration announcement shall include at least the following information:

- the name of the organization submitting the application;
- the name, postal/electronic mail address and telephone/facsimile number for the contact point within the requesting organization;
- full identification of the person submitting the application (including their role in the organization);
- the Company Code value assigned.

### 4.3.3 Notice of rejection

The RA shall send a notice of rejection to an applicant when the assignment of a Company Code has been rejected. The notice of rejection shall include at least the following information:

- the name of the organization submitting the application;
- the name, postal/electronic mail address and telephone/facsimile number for the contact point within the requesting organization;
- full identification of the person submitting the application (including their role in the organization);
- the reason for rejection, which may be (non exhaustively):
  - the absence of proper fee;
  - incomplete or incomprehensible information in application;
  - the justification for inclusion in the register (as defined in this part of ISO/IEC 29174) is not adequate;
  - the object to be registered does not conform to the technical definition.



#### 4.3.4 Content of the register

At a minimum, the register shall contain

- the assigned Company Code;
- name of initial applicant;
- address of initial applicant;
- date of original assignment;
- date of last transfer of assignment, if allowed (updatable);
- name of current owner (updatable);
- address of current owner (updatable);
- if the owner is an organization, the name, title, postal/e-mail address (with the email address protected against robot harvesting), telephone/facsimile;
- number of a contact person within the organization (updatable);
- date of last update (updatable).

#### 4.3.5 Public availability of the register

The register shall be published as a Standing Document of JTC 1/SC 31, available on LiveLink. The Registration Authority is responsible for the accuracy of the register and communications with the SC 31 Secretary for updated postings of the Standing Document.

#### 4.3.6 Change of registration information

The registered organization identified by a Company Code shall not change significantly from the original application, but supporting information, such as the information provided in 4.3.4, may change from time to time. The RA shall be notified of all such changes, and shall update the register, maintaining an audit trail of earlier information.

#### 4.3.7 Appeals process

In response to a notice of rejection, the applicant can submit to the RA a supplement to its original application that responds to the reason(s) for rejection.

Any subsequent appeal shall be resolved by ISO/IEC JTC 1/SC 31.

### 4.4 Appointment of the RA

#### 4.4.1 Procedures of appointment

An organization wanting to be the RA shall submit a proposal to ISO/IEC JTC 1/SC 31. The National Bodies and Member states shall review it and shall decide whether or not to accept the proposal.

#### 4.4.2 Formal appointment

The RA is formally appointed as an ISO/IEC Registration Authority under the ISO/IEC procedures for such appointments. The procedures commence with an ISO/IEC JTC 1/SC 31 resolution recommending to ISO/IEC JTC 1 that an organization be appointed, and result in a contract between ISO/IEC Information Technology Task Force (ITTF) and the appointed organization.