

## Recommendation

### **ITU-T E.118.1 (03/2023)**

SERIES E: Overall network operation, telephone service, service operation and human factors

International operation – General provisions concerning Administrations

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### **Allocation, assignment and management of global Issuer Identifier Numbers (IINs)**



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# Recommendation ITU-T E.118.1

## Allocation, assignment and management of global Issuer Identifier Numbers (IINs)

### Summary

Recommendation ITU-T E.118.1 specifies the criteria by which the ITU-TSB shall allocate and assign global Issuer Identifier Numbers (IINs), as well as the specific resources that will be managed.

### History

| Edition | Recommendation | Approval   | Study Group | Unique ID*   |
|---------|----------------|------------|-------------|--|
| 1.0     | ITU-T E.118.1  | 2023-03-22 | 2           | <a href="http://handle.itu.int/11.1002/1000/11830-en">11.1002/1000/15075</a> |

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## FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, information and communication technologies (ICTs). The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

## NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure, e.g., interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

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As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents/software copyrights, which may be required to implement this Recommendation. However, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the appropriate ITU-T databases available via the ITU-T website at <http://www.itu.int/ITU-T/ipr/>.

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# Recommendation ITU-T E.118.1

## Allocation, assignment and management of global Issuer Identifier Numbers (IINs)

### 1 Scope

This Recommendation specifies the structure of the global assigned issuer identifier numbers (IINs), and describes the manner by which the ITU-TSB shall allocate and manage such a resource.

### 2 References

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published. The reference to a document within this Recommendation does not give it, as a stand-alone document, the status of a Recommendation.

[ITU-T E.118] Recommendation ITU-T E.118 (2006), *The international telecommunication charge card*.

[ITU-T E.190] Recommendation ITU-T E.190 (1997), *Principles and responsibilities for the management, assignment and reclamation of E-series international numbering resources*.

[ITU-T E.212] Recommendation ITU-T E.212 (2016), *The international identification plan for public networks and subscriptions*.

### 3 Definitions

None.

### 4 Abbreviations and acronyms

This Recommendation uses the following abbreviations and acronyms:

CC Country Code

IIN Issuer Identifier Number

MII Major Industry Identifier

TIES Telecommunication Information Exchange Services

TSB Telecommunication Standardization Bureau

### 5 Conventions

None.

### 6 Allocation and assignment of global issuer identification numbers

#### 6.1 Structure of global assigned issuer identification numbers

The structure of the assignment of global issuer identification numbers (IINs) shall conform to [ITU-T E.118].

The assignment of global IINs shall take the form of:

- a. Major industry identifier (MII) **89**
- b. Country code (CC) **882**
- c. Issuer identifier number (IIN) **xx**

or

- a. Major industry identifier **89**
- b. Country code **883**
- c. Issuer identifier number **xx**

The issuer identifier number shall be assigned sequentially. This sequential assignment shall not impact global IINs assigned prior to the coming into force of this Recommendation.

## **6.2 Use cases of assigned global IINs**

There are two use cases for the global assignment.

### **Use case 1**

A global assignment of an IIN resource shall be made if the applicant has successfully been assigned an ITU-T E.212 global resource.

### **Use case 2**

A global assignment of an IIN resource shall be made if the criteria in Annex A have been met.

## **7 Allocation, assignment and management of global assigned IINs**

### **7.1 Principles of assignment**

In accordance with this Recommendation, global IIN resources assigned to networks shall be in the format specified in clause 6.1.

Both the global assigned IINs for use case 1 and for use case 2 shall be assigned by the Director of TSB.

Subsequent global assigned IINs for use case 1 or for use case 2 can be assigned by the Director of TSB in the event of exhaustion or another substantiated reason.

### **7.2 Assignment**

Application for the assignment of a global IIN will be addressed in writing to the Director of TSB. The written request should be submitted on official company letterhead and signed by an appropriate company representative. The signature of the appropriate company representative affirms that, in the applicant's view, all the criteria are met. This written request shall include:

- a) The use case for the application.
- b) A planned code activation date in order to determine the relevant urgency of the request.
- c) Sufficient information so that the request can be analysed to satisfy the criteria given in Annex A (e.g., provide evidence that criteria will be complied with by the activation date, the planned network architecture and relevant call flows).

In making decisions, the Director of TSB consults with the appropriate ITU-T Study Group, if necessary. Provided the criteria in Annex A are met, an applicant's request for assignment of a global IIN will be granted by the Director of TSB and, if necessary, in consultation with the relevant ITU-T Study Group.

Within a given global allocated MII+CC, applicants will receive assignment of IINs in sequential order.

After the assignment has been made, the Director of TSB will respond in writing to the applicant and include appropriate information for their ongoing responsibility as contained in this Recommendation and in [ITU-T E.190]. In addition, the assignment will be published in the appropriate media (e.g., the ITU Website (TIES) and in the Operational Bulletin).

An assignment can be requested for non-commercial trials or testing purposes for a period of up to two years. The code subsequently assigned can be used only for non-commercial trial and testing purposes.

### **7.3 Voluntary return of assigned global IIN**

If an applicant or assignee determines that an assigned global IIN is no longer required, the Director of TSB shall be notified of that fact in writing.

The Director of TSB will respond in writing to the applicant acknowledging the return of the global IIN.

The Director of TSB shall publish the date of the return of the assigned global IIN in the appropriate media (e.g., ITU website (TIES) and in the Operational Bulletin).

The returned assigned global IIN(s) should not be reassigned for a period of two years.

At the end of the two-year period, the Director of TSB will return a code to spare status.

### **7.4 Criteria for reclamation**

The assigned global IIN is subject to reclamation if any of the following occurs:

- The assigned global IIN is not implemented;
- The application no longer satisfies the assignment criteria;
- The use is not operational between at least two countries;
- The assigned global IIN is not in use for a period of two years; or
- Annual membership fees are not paid by the initial payment due date<sup>1</sup>.

### **7.5 Reclamation**

If an assigned global IIN for networks meets the reclamation criteria provided in clause 7.4, the Director of TSB will notify the assignee in writing that the code is subject to reclamation.

At the time of reclamation of an assigned global IIN, the Director of TSB shall publish the date of assigned global IIN reclamation via the appropriate media (e.g., ITU website (TIES), and in the Operational Bulletin).

The returned assigned global IIN should not be reassigned for a period of two years from the date of reclamation.

At the end of the two-year period, the Director of TSB will return a code to spare status.

An assigned global IIN is to be reclaimed if the applicant has not certified on an annual basis that the code is being used in accordance with the reservation or assignment request or has not also provided the applicant's prime contact details and an affirmation that the applicant is a Member State, a Sector Member or an Associate Member of the relevant ITU-T Study Group.

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<sup>1</sup> At the time of publication, the initial due date for payment of ITU membership fees is 31 March each year.

## **7.6 Reconsideration process**

An applicant for an assigned global IIN who has been denied an assignment can request a reconsideration of the denial to the Director of TSB in the manner outlined in this clause. The reconsideration should include a presentation by the applicant to the relevant ITU-T Study Group.

In response to a letter of denial from the Director of TSB, the applicant can submit a supplement to its original application that responds to the reason(s) for denial contained in the letter. The applicant should submit its request for reconsideration, in writing, to the Director of TSB. To be considered by the Director of TSB, the response must include new or clarifying information. The submission should present the position of the applicant regarding the application and its denial, including its justification for this reconsideration. The applicant must attach to the submission a copy of the original application, the supplement to it, and the letter of denial from the Director of TSB. The applicant may also present the reconsideration at the Study Group meeting. If the reconsideration is to be presented to the relevant ITU-T study group, it should be submitted at least two months prior to the ITU-T study group meeting.

The Director of TSB will consult with the relevant ITU-T study group and/or its delegated representatives. The relevant ITU-T study group and/or its delegated representatives will then provide advice to the Director of TSB regarding the amended application and the contents of the submitted supplement to the original application.

If the Director of TSB determines that, based on the new information, the reservation or assignment should be made, the applicant will be so informed as per the procedures in clause 7.2.

If the Director of TSB determines that the application is still to be denied after proper consultation with the concerned study group, the applicant will be so informed and the reason(s) for the denial will be provided.

## Annex A

### Criteria for assignment of global IINs

(This annex forms an integral part of this Recommendation.)

#### A.1 Criteria for assignment

Throughout clauses A.1 to A.1.13 when using the term "applicant", it is assumed that the applicant has the approval from the Administrations of those countries in which the applicant seeks to implement the IIN. However, it should be noted that many national numbering plan administrators require that applicants correspond with the ITU-TSB only via that national numbering plan administrator. It should also be recognized that it may be a national numbering plan administrator presenting an application on behalf of an applicant rather than the applicant making a direct approach to the Director of TSB.

**A.1.1** The applicant must be a Member State or a Sector Member of the ITU or an Associate Member of the relevant ITU-T Study Group and must maintain its membership as long as it has reserved or is assigned the requested resource. If annual membership fees are not paid by the initial payment due date the resources will be reclaimed.

**A.1.2** The Director of TSB receives a written request from an applicant for assignment.

**A.1.3** The applicant requesting the numbering resource must affirm that it has overall responsibility, or a contract with the entity that has overall responsibility, for the management, operation, and maintenance of the network that will utilize the requested resource.

**A.1.4** It is a national matter whether requests for codes require national numbering plan administrator review or approval. The applicant shall certify that it has met all of the legal and/or regulatory requirements of the relevant countries in which it will operate for submission of the application.

**A.1.5** The applicant must also affirm that all national, regulatory and legal requirements of the countries in which the applicant's network will operate and provide service are met at the time of network implementation.

**A.1.6** The applicant must demonstrate that the network infrastructure it intends to use will contain connecting physical nodes in two or more countries. In the case of satellite network, serving mobile terminals in two or more countries will satisfy this requirement.

**A.1.7** The applicant is required to state the planned date of implementation in at least two countries, or in geographical areas in two different countries.

**A.1.8** The applicant will affirm that the requested resources will be used for offering telecommunication services for implementation in two or more countries within a maximum of one year from the date of assignment.

**A.1.9** The applicant must demonstrate that the use of an assigned global IIN under a shared MI+CC for networks is an appropriate, efficient and effective method to identify terminals or users of the network for routing, addressing or billing purposes. The applicant must attach substantiating documentation justifying this fact.

**A.1.10** The applicant must demonstrate that other reasonable technical and operational alternatives (e.g., use of national resources) are not appropriate. The applicant must attach substantiating documentation justifying this fact.

**A.1.11** The applicant may apply for a subsequent global IIN under the following circumstances:

- The current assignment is approaching exhaustion;

- The applicant can demonstrate that the resource will be utilized by a distinct shared network and such a request will be treated as a new application;
- Other substantiated reasons with proper justification.

**A.1.12** Additional assignments of a global IIN will be based on confirmation that the existing resource is being used in an efficient manner (e.g., that the format and length of the numbering plan is appropriate). The applicant must provide substantiated information that the resource is approaching exhaustion. The terms and conditions of the original assignment must be met.

**A.1.13** The applicant will annually certify that the resource which has been assigned to it continues to be in operation and will also reaffirm its prime contact details through the submission of a status notification to the Director of TSB.



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