

3GPP2 S.R0034

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User Identification Module ID Manufacturer's Code Assignment Guidelines and Procedures

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1.0 PURPOSE AND SCOPE

- 1.1 These guidelines are based on the content of the ANSI TIA/EIA-41 “Family of Standards” (e.g. AMPS (*EIA/TIA-553*), CDMA (*TIA/EIA-95 and TIA/EIA/IS-2000*), and TDMA (*IS-54, IS-136*)). It is recommended that systems which are based on the ANSI TIA/EIA-41 family of standards and which are deployed outside of the United States follow these guidelines. This is to facilitate international roaming and to minimize fraud.
- 1.2 For the purpose of these assignment guidelines, the UIM_ID is entered onto the R-UIM by the manufacturer of the R-UIM. The UIM_ID is composed of two basic components, the R-UIM manufacturer’s code and the serial number. These guidelines specify the procedure to be followed pertaining to the acquisition, transfer, return and regulation of the UIM_ID Manufacturer’s (MFR) Codes.
- 1.3 These assignment guidelines pertain, in one section or another, to all segments of the UIM_ID. The UIM_ID administrator manages all segments of the UIM_ID, but directly administers only the UIM_ID MFR Code segment. The remaining segment of the UIM_ID, the Serial Number, is directly administered by the manufacturer to which the UIM_ID MFR Code is assigned.
- 1.4 These guidelines were developed by the consensus of representatives of entities within the wireless sector of the telecommunications industry.
- 1.5 These guidelines apply globally; however, they do not supersede the regulations, procedures or requirements of any appropriate legal or regulatory authority.
- 1.6 Equipment identifiers for non TIA/EIA-41 operating modes are not addressed here. If the R-UIM card manufacturer of a multi-mode R-UIM that supports at least one “TIA/EIA-41 mode” wishes to use only a single equipment identifier, that identifier must conform to these UIM_ID guidelines.
- 1.7 This document contains the guidelines and procedures for the assignment and use of User Identity Module IDs (UIM_IDs) for R-UIM equipped and approved Mobile Stations.

2.0 REFERENCES

2.1 ANSI TIA/EIA-41, *Cellular Radiotelecommunications Intersystem Operations*;
Telecommunications Industry Association.

AMPS EIA/TIA-553, *Cellular System Mobile Station - Land Station Compatibility Standard*;
Telecommunications Industry Association.

CDMA TIA/EIA-95, *Mobile Station - Base Station Compatibility Standard for Dual-Mode
Wideband Spread Spectrum Cellular System*; Telecommunications Industry Association.

TDMA TIA/EIA-136, *Cellular System Mobile Station - Land Station Compatibility Standard*;
Telecommunications Industry Association.

3.0 ASSUMPTIONS AND CONSTRAINTS

These guidelines are based on the following assumptions and constraints:

- 3.1 These guidelines and procedures should provide the greatest latitude to manufacturers of R-UIMs while permitting the effective and efficient management of a finite resource.
- 3.2 The function of the UIM_ID administration will be performed by the 3GPP2 UIM_ID Administrator.
- 3.3 The guidelines and procedures for UIM_ID assignment as set forth in this document, remain in effect until there is either industry consensus or regulatory policy direction to change them.
- 3.4 These guidelines do not describe the method by which UIM_IDs are transmitted across and processed by networks. Network interworking arrangements are contained in other standards, documents, or business agreements.

4.0 UIM_ID FORMAT AND FUNCTION

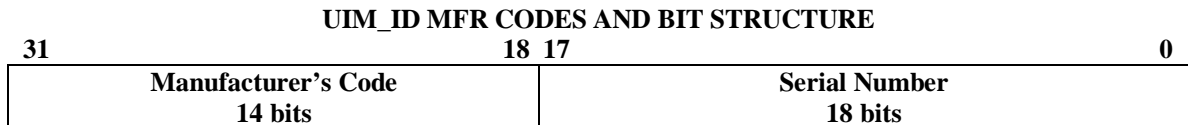
4.1 The UIM_ID is a 32-bit binary value which is assigned to the R-UIM.

4.2 Each UIM may be assigned a unique UIM_ID.

4.3 The UIM_ID identifies the manufacturer of the R-UIM.

4.4 The format of the UIM_ID is:

001:



In this case the UIM_ID MFR Code is designated as the high order 14 bits while the low order 18 bits identify the unit.

4.8 The UIM_ID does not specify the frequency band, air-interface technology or supported service associated with the MS.

5.0 ASSIGNMENT PRINCIPLES

The assignment principles are defined below.

- 5.1 UIM_ID MFR Codes are to be assigned and used only for the R-UIM that will be used with ANSI TIA/EIA-41 family of air interface standard mobile stations. (Section 1.2).
- 5.2 UIM_ID MFR Codes shall be assigned to permit the most effective and efficient use of a finite resource in order to maximize the existing allocated resource inventory and to defer, as long as practical, the need to request additional UIM_ID MFR Code resources.
- 5.3 Upon application, the UIM_ID Administrator will assign UIM_ID MFR Code(s) for each valid R-UIM manufacturer. The number of UIM_ID manufacturer codes assigned shall be based on Section 6. Criteria for Assignments. The maximum number of UIM_ID manufacturer codes that may be issued on a single application shall be no greater than 64.
- 5.4 The UIM_ID MFR Code, as part of the 32 bit UIM_ID, shall not be simultaneously assigned to more than one manufacturer. An unused UIM_ID MFR Code that is recovered or returned from the previous assignee may be reassigned to another manufacturer without limitation. A partially used UIM_ID MFR Code may be reassigned to another manufacturer for use with limited serial numbers if a significant block of serial numbers associated to that UIM_ID MFR Code remained unassigned.
- 5.5 UIM_ID Serial Numbers are assigned by manufacturers to their produced R-UIMs. A UIM_ID is unique to a single R-UIM card. The manufacturer will exercise due diligence in the design and manufacture of the R-UIM card to ensure that alteration of the factory set UIM_ID is not possible outside of an authorized service_center.
- 5.6 UIM_ID MFR Codes are a global public resource. The assignment of any UIM_ID MFR Code does not imply ownership of the resource by either the entity to which it is assigned or by the entity performing the administrative function. There shall be no monetary value assigned to UIM_ID MFR Code.
- 5.7 Should a manufacturer transfer production of a type of R-UIM to a different manufacturer, then the use of the assigned UIM_ID MFR Code is transferable to the new manufacturer. See *Form D – Request for Change in UIM_ID Manufacturer’s Code Assignment Information* in Attachment 2.
- 5.8 The UIM_ID administrator will:
 - Assign UIM_ID MFR Codes in a fair, timely and impartial manner to any applicant that meets the criteria for assignment (Section 6).
 - Assign UIM_ID MFR Codes on a first come, first served basis from the available pool of unassigned UIM_ID MFR Codes. UIM_ID MFR Codes will be assigned using the following procedure:
 - Make all assignments based on the procedures in these guidelines (Section 8).
 - Treat sensitive information received from applicants as proprietary and confidential, and not to be shared with non-administrator personnel.
- 5.9 Information that is requested of applicants in support of a UIM_ID MFR Code application shall be uniform and kept to a minimum.
- 5.10 Assigned UIM_ID MFR Codes should be deployed as soon as possible, but no later than twelve months after assignment. If the assignee can demonstrate that an assigned UIM_ID MFR Code

has not been deployed solely due to delays beyond its control, the time period can be extended for up to 90 days. At the discretion of the administrator, three additional 90-day extensions may be granted.

- 5.11 An entity which is denied a UIM_ID MFR Codes assignment or extension under these guidelines has the right to appeal that decision (Section 13).
- 5.12 Entities applying for assignment of or assigned UIM_ID MFR Code(s) under these assignment principles shall comply with these guidelines. Entities already assigned or using one or more UIM_ID MFR Codes prior to the implementation of these assignment principles shall comply with these guidelines.
- 5.13 A UIM_ID MFR Code(s) recovered or returned to the administrator for reassignment may remain dormant. If no R-UIMs have been manufactured by the previous assignee, the code(s) may be reissued. If, however, R-UIMs have been produced and sold the code(s) may be blocked from future use. . As the need for UIM_ID MFR Codes becomes critical (i.e. only 25% of available codes remain), codes which have been partially used by a previous assignee may be re-assigned with serial number range limitations. That is, if the previous assignee had only produced a limited number of R-UIMs using a contiguous serial number range, the present assignee may use the code to produce R-UIMs with serial numbers that do not duplicate those of the previous assignee.
- 5.14 There will be an administrative fee associated with an application for a UIM_ID MFR Code(s).
- 5.15 As required, applicants for UIM_ID MFR Codes must comply with all applicable regulations.

6.0 CRITERIA FOR UIM_ID ASSIGNMENT

The assignment criteria in this section should be considered by a potential UIM_ID MFR Code applicant before submitting a UIM_ID MFR Code application and will be used by the UIM_ID administrator in reviewing and processing a UIM_ID MFR Code application:

- 6.1 A UIM_ID The number of codes that a applicant may receive per application should be based upon that applicatant's historical usage of UIM-IDs and compliance with the UIM_ID Guidelines.
- 6.2 The applicant/assignee of a UIM_ID MFR Code(s) must have and provide evidence of authorization, if required, from the appropriate regulatory authorities to produce R-UIMs.
- 6.3 A UIM_ID MFR Code will only be assigned by the administrator upon receipt and approval of a completed *Form A – UIM_ID Manufacturer's Code Application*.

7.0 RESPONSIBILITIES OF UIM_ID MANUFACTURER'S CODE APPLICANTS AND ASSIGNEES

Entities requesting UIM_ID MFR Code assignments shall comply with the following; and entities already assigned one or more UIM_ID MFR Codes should comply with the following:

- 7.1 UIM_ID MFR Code(s) applicants and assignees must meet all conditions specified in these guidelines. Copies of the guidelines may be obtained from the UIM_ID Administrator.
- 7.2 Applicants must apply in writing to the UIM_ID Administrator by completing *Form A - UIM_ID MFR Codes Application*. Copies of all required forms are included in Attachment 2 to these guidelines.
- 7.3 UIM_ID MFR Code assignees shall:
 - 7.3.1 Assign a different UIM_ID to each R-UIM. The manufacturer shall assign the UIM_ID within the range allocated to the manufacturer.
 - 7.3.2 Assign and efficiently manage the Serial Number associated with the assigned UIM_ID MFR Codes. Maintain up-to-date and accurate assignment records that match UIM_IDs of their produced UIMs. These records may be required for audit purposes (Section 10).
 - 7.3.3 Inform the UIM_ID Administrator of changes in the information associated with a UIM_ID MFR Code assignment by using *Form D – Request for Change in UIM_ID Manufacturer's Code Assignment Information*. Changes may occur because of the transfer of a UIM_ID MFR Code(s), through merger or acquisition, to a different R-UIM or R-UIM manufacturer (Section 5.7). The initial assignee of the UIM_ID MFR Codes involved in a transfer occurring through merger, acquisition or other means must immediately inform the UIM_ID Administrator when such a change becomes effective. Timely submission of change information enables the UIM_ID Administrator to maintain accurate UIM_ID MFR Code assignment records.
 - 7.3.4 Participate in the UIM_ID audit process, when requested (Section 10).
 - 7.3.5 Deploy any UIM_ID MFR Code, assigned either directly by the administrator or obtained through merger or acquisition, within the time period specified (Section 5.10). Inform the UIM_ID Administrator of UIM_ID MFR Code deployment by submitting *Form C – UIM_ID Manufacturer's Code Deployment*.
 - 7.3.6 Apply to the UIM_ID Administrator for an extension (Section 5.10) if the deployment requirement cannot be met and the UIM_ID MFR Code is still required.
 - 7.3.7 Return to the UIM_ID Administrator, using *Form F – UIM_ID Manufacturer's Code Assignment Return*:
 - Any UIM_ID MFR Code no longer needed for the production of R-UIMs,
 - Any UIM_ID MFR Code not deployed within the time period specified, including extensions (Section 5.10), or
 - Any UIM_ID MFR Code not used in conformance with these assignment guidelines.
 - Any UIM Card Manufacturer that has terminated manufacturing of UIMs shall return the *Form F –UIM_ID Manufacturer's Code Assignment Return* within 30 days of the cessation of manufacturing.

- 7.3.8 Return to the UIM_ID Administrator, on an annual basis on the anniversary date of the issuance of the UIM_ID MFR Code, a duly completed and signed *FORM G - CERTIFICATION OF COMPLIANCE WITH UIM_ID GUIDELINES*. If no Form G is returned the UIM_ID Administrator will contact the assignee via registered letter requesting the signed Form G. No additional codes will be assigned to the assignee until they are in compliance with this requirement.

8.0 RESPONSIBILITIES OF THE UIM_ID ADMINISTRATOR

The role of the UIM_ID Administrator is to manage the entire UIM_ID resource and to directly administer the UIM_ID MFR Code segment of the UIM_ID. In this context, the UIM_ID Administrator shall:

- 8.1 Provide to the industry general and specific information on the structure, proper use and management of UIM_IDs for R-UIMs.
- 8.2 Provide copies of these guidelines and forms to UIM_ID MFR Code applicants and assignees, and assist them in completing the required forms.
- 8.3 Review and process UIM_ID MFR Code applications as follows:
 - 8.3.1 Review the application to determine if all requested information is provided and credible. If not, return the application to the applicant requesting that any deficiency be corrected.
 - 8.3.2 Inform applicants of the status of their requests using *Form B – UIM_ID Manufacturer’s Code Application Disposition*. There are three possible dispositions: approved, denied, or additional information required. Notify the applicant in writing of the disposition within thirty days from receipt of *Form A –UIM_ID Manufacturer’s Code Application*. The response will include:
 - If assigned, the specific UIM_ID MFR Code(s) assigned,
 - If denied, the reasons for denial and instructions on how and where to appeal the decision,
 - If additional information is required, the specific information required.
 - 8.3.3 Request completed *Form G – Certification of Compliance with UIM_ID Guidelines* from assignees after 30 days past the required submittal date in accordance with paragraph 7.3.8
- 8.4 Use the following UIM_ID MFR Code assignment procedures:
 - 8.4.1 The UIM_ID Administrator shall generally assign UIM_ID MFR Codes in numerical sequence.
 - 8.4.2 There may be technical considerations or limitations on the part of the R-UIM manufacturer that require a specific assignment or preclude them being able to use the next consecutive UIM_ID MFR Code assignment. These exceptions are set forth below and in the addenda (if any) to this document.

- 8.4.3 UIM_ID MFR Code applicants eligible for multiple UIM_ID MFR Codes may request that such codes be assigned in the next available block of numerically sequential codes (excepting those codes reserved or unavailable for assignment, pursuant to Section 8.4.2 or any subsequent addenda to these guidelines). In such cases, a separate *Form A – UIM_ID Manufacturer’s Code Application* should be submitted for each UIM_ID MFR Code required, along with a cover letter requesting their assignment in a sequential block.
- 8.5 Maintain accurate and current UIM_ID MFR Code assignment records. Update the records as required to respond to requests for changes in assignment information reported by UIM_ID MFR Code assignees (Section 7.3.2). Respond to these requests within thirty days using *Form E – Confirmation of Change of UIM_ID Manufacturer’s Code Assignment Information*.
- 8.6 Publish, at least quarterly, via the agreed medium, a list of assigned UIM_ID MFR Codes. The list will include the UIM_ID MFR Code number, the manufacturer to which the code is currently assigned, and the entity contact and number. In the case of a code that was reassigned after having been partially used by previous assignee(s), the list shall also identify the serial number range restrictions placed on the current assignee along with the serial number range used (or presumed to have been used) by each previous assignee. Track the number of UIM_IDs assigned and the assignment rate and report this data regularly to the 3GPP2 Steering Committee.
- 8.7 Investigate any UIM_ID MFR Code that has not been deployed within the required time frame, and issue extensions if appropriate (Section 5.10). Notify the 3GPP2 Steering Committee if an assignee fails to deploy an assigned UIM_ID MFR Code within two extensions.
- 8.8 The UIM_ID Administrator shall maintain records of the last manufactured year for a UIM_ID MFR Code range or UIM_ID MFR Code sub range.
- 8.9 Reclaim assigned UIM_ID MFR Code(s) (Section 9), as needed.
- 8.10 Direct the UIM_ID conservation program and conduct periodic audits, as required, of UIM_ID MFR Code assignee records (Section 10).
- 8.11 Inform the wireless telecommunications industry, via the agreed method, of any revisions to these guidelines (Section 12).8.12The term of the UIM_ID Administrator shall be for one (1) year from the date of appointment by the 3GPP2 Steering Committee.

9.0 UIM_ID MANUFACTURER'S CODE RETURN AND RECLAMATION PROCEDURES

9.1 Assignee responsibilities:

Assignees will return UIM_ID MFR Code(s) that are no longer required, not deployed, or not used in conformance with these assignment guidelines (Sections 5.10, 7.3.5 - 7.3.6). In addition, assignees will return the Code(s) and an indication of the range of Serial Numbers which have been used if the manufacturer has not manufactured a R-UIM for at least one year.

Assignees will cooperate with the UIM_ID Administrator in carrying out its reclamation and auditing responsibilities.

9.2 Administrator responsibilities:

The UIM_ID Administrator will contact any UIM_ID MFR Code assignee identified as not having returned to the UIM_ID Administrator, for reassignment, any UIM_ID MFR Code(s) no longer required, not deployed, or not used in conformance with these assignment guidelines (Sections 5.10, 7.3.5 - 7.3.6).

The UIM_ID Administrator will first seek clarification from the assignee regarding any alleged non-use or misuse. If the assignee provides an explanation satisfactory to the administrator, and in conformance with these assignment guidelines, the UIM_ID MFR Code will remain assigned. If no satisfactory explanation is provided, the UIM_ID Administrator will request a letter from the assignee returning the assigned code(s) for reassignment. If a direct contact can not be made with the assignee to effect the above process, a registered letter will be sent to the assignee address of record requesting that they contact the Administrator within thirty days regarding the alleged code non-use or misuse. If the letter is returned as non-delivered, the UIM_ID Administrator will advise the 3GPP2 Secretariat that the code will be made available for reassignment , unless the forum advises otherwise within thirty days.

The UIM_ID Administrator will refer to the 3GPP2 Secretariat any instance which is not resolved through the procedures in the paragraph above. The 3GPP2 Steering_Committee will coordinate with appropriate industry fora for resolution.

9.3 3GPP2 Secretariat responsibilities.

- Accept all referrals of alleged non-use or misuse of UIM_ID MFR Codes from the UIM_ID Administrator or any other entity,
- Investigate the referral,
- Review referrals in the context of these assignment guidelines,
- Attempt to resolve the referral, and
- Direct the UIM_ID Administrator regarding the action, if any, to be taken (If the action to be taken is not in conformance with the existing guidelines, the committee will initiate the guidelines revision process [Section 12]), or

10.0 UIM_ID RESOURCE CONSERVATION AND ASSIGNMENT AUDITS

10.1 Assignment and management of UIM_ID resources are undertaken with the following conservation objectives:

- To efficiently and effectively administer/manage a limited resource through code conservation, and
- To eliminate or delay the potential for UIM_ID exhaustion .

The process to achieve these objectives should not impede the introduction of competitive wireless services which use UIM_IDs.

10.2 To promote the efficient and effective use of numbering resources, audits of UIM_ID MFR Code assignments may be performed to ensure consistent compliance with these guidelines.

10.3 The UIM_ID Administrator will track and monitor UIM_ID MFR Code assignments and assignment procedures to ensure that all segments of the UIM_IDs are being used in an efficient and effective manner. Ongoing administrator procedures that foster conservation shall include, but not be limited to, the following:

- An active reclamation program to reclaim unused or misused UIM_ID MFR Code,
- Strict conformance with these guidelines by those assigning UIM_ID MFR Codes and UIM_ID Serial Numbers,
- Appropriate and timely modifications to these guidelines to enhance text that may have allowed inefficient use of UIM_ID MFR Codes,
- Periodic specific and random audits of assignments and assignment procedures (Section 10.4).

10.4 The UIM_ID Administrator may initiate an audit of a UIM_ID MFR Code assignee's assignment records. The audit may be precipitated by a complaint from outside the UIM_ID Administrator's organization or by the UIM_ID Administrator. The audit may be initiated if a request for a UIM_ID MFR Code assignment is received from a manufacturer that already has a UIM_ID MFR Code assignment. The purpose of an audit will be to verify the UIM_ID MFR Code assignee's compliance with the provisions set forth in these guidelines. The audit will be performed by the UIM_ID Administrator or by a neutral third party acceptable to the auditee and the UIM_ID Administrator.

10.4.1 These audits will be conducted at the UIM_ID MFR Code assignee's premises or at a mutually agreed to location and at a mutually agreed to time.

10.4.2 The UIM_ID Administrator will not copy or remove the information from the premises nor will they disclose the information to non-UIM_ID Administrator personnel.

- 10.4.3 The UIM_ID Administrator will expect to review the following information to ensure conformance with these guidelines and the proper use of the UIM_ID resource:
- The verification that the R-UIM card manufacturer holds no more UIM_ID MFR Codes that can be responsibly anticipated to be exhausted within twelve months at given or anticipated production rates.
 - If a new UIM_ID MFR Code has been requested verification that the manufacturer holds no more unassigned UIM_ID MFR Codes that can be responsibly anticipated to be exhausted within six months at given or anticipated production rates.
 - Verification of assignment for each working UIM_ID MFR Code,
 - Date of assignment of each working UIM_ID MFR Code,
 - Implementation date of each working UIM_ID MFR Code,
 - Indication of UIM_ID Serial Number assignment to R-UIMs, and
 - Status and status date of each UIM_ID MFR Code unavailable for assignment; i.e., UIM_ID MFR Codes reserved, aging, pending and/or, suspended.
- 10.5 Audit results should be used to identify and recommend to the appropriate wireless industry forum specific corrective actions that may be necessary. Examples of specific corrective actions which may be proposed are as follows:
- Modifications to these assignment guidelines to reflect the specific circumstance revealed by the audit,
 - Additional training for UIM_ID MFR Code assignees concerning the assignment guidelines,
 - Return of assigned UIM_ID MFR Code ,
 - Requirements for supporting documentation of future UIM_ID MFR Code requests in non-compliant situations, or
 - Modifications to the process in which records are maintained or UIM_ID MFR Codes are assigned.
- 10.6 Audit results with respect to UIM_ID MFR Code assignee information and/or recommended UIM_ID MFR Code assignee process modifications shall be treated on a proprietary and confidential basis.
- 10.7 Failure to participate or cooperate in an audit shall result in the activation of UIM_ID MFR Code reclamation procedures (Section 9).

11.0 UIM_ID RELIEF PLANNING

11.1 When 75% of all the available UIM_ID MFR Codes have been assigned, or assignments are exceeding 10% of the resource per year, the administrator will inform the 3GPP2 Secretariat.

11.2 When the UIM_ID Administrator informs the 3GPP2 Secretariat that the UIM_ID MFR Codes are approaching exhaustion, the Secretariat will:

- Conduct an audit of current UIM_ID MFR Codes assignments to ensure that efficient UIM_ID MFR Codes utilization is in effect, and, if not,
- Recommend additional procedures to be initiated to effect more efficient UIM_ID MFR Codes utilization, or if efficient utilization is in effect,

12.0 MAINTENANCE OF GUIDELINES

It may be necessary to modify the guidelines periodically to meet changing and unforeseen circumstances. The need for guidelines modification may be identified by the administrator, any entity in the wireless telecommunications sector or the appropriate wireless industry forum. When need for modification is identified by other than the 3GPP2, the identifying entity will submit the modification issue to the 3GPP2 Secretariat. The 3GPP2 Secretariat will coordinate the modification process. Questions or concerns regarding the maintenance of the guidelines may be directed to:

3GPP2 UIM_ID Administrator
c/o Telecommunications Industry Association
2500 Wilson Boulevard, Suite 300
Arlington, VA 22201
USA

Phone: +1 703-907-7700
Fax: +1 703-907-7727

13.0 APPEALS PROCESS

Disagreements may arise between the UIM_ID Administrator and UIM_ID MFR Code applicants or assignees in the context of the administration and management of UIM_ID MFR Codes and the application of these guidelines. In all cases, the UIM_ID Administrator and UIM_ID MFR Code applicants/assignees will make reasonable, good faith efforts to resolve such disagreements among themselves in timely manner, consistent with the guidelines, prior to pursuing any appeal. Appeals may include, but are not limited to, one or more of the following options:

- The UIM_ID MFR Code applicant/assignee will have the opportunity to resubmit the matter to the Administrator for reconsideration with or without additional input.
- Guidelines interpretation or clarification questions may be referred to the 3GPP2 Secretariat for resolution. Unless otherwise mutually agreed to by the parties, these questions will be submitted in a generic manner protecting the identity of the appellant. Resolution of an appeal to the 3GPP2 Secretariat shall be resolved within 60 days of receipt of the appeal request.

Reports on any resolution resulting from the above options, the content of which will be mutually agreed upon by the involved parties, will be kept on file by the UIM_ID Administrator. At minimum, the report will contain the final disposition of the appeal; e.g., whether or not a UIM_ID MFR Code(s) was assigned.

14.0 GLOSSARY

CMRS - Commercial mobile radio service. A mobile service (or functional equivalent) that is (1) provided for profit, (2) an interconnected service, and (3) available to the public, or to such classes of eligible users as to be effectively available to a substantial portion of the public.

Conservation – Consideration given to the efficient and effective use of a finite resource in order to minimize the need to expand its availability while at the same time allowing the maximum flexibility in the introduction of new services, capabilities and features.

Mobile station - Interface equipment used to terminate the radio path at the user side. The mobile station contains an Electronic Serial Number and other identification information, either a Mobile Identification Number (MIN) or an International Mobile Station Identification (IMSI).

Regulatory Approved Licensed two-way CMRS service provider – Any entity that is authorized, as appropriate, by local, state, or federal regulatory authorities to provide regulatory approved two-way mobile station to the public.

Removable User Identity Module (R-UIM) - A smart card device that contains the the subscription information.

Serial Number - The portion of the UIM_ID in combination with the UIM_ID MFR Code that uniquely identifies the R-UIM.

UIM – *User Identification Module which may be either a fixed module installed in the mobile equipment or an R-UIM.*

UIM_ID - The 32 bit Serial Number which may identify mobile equipment equipped with a R-UIM.

UIM_ID Manufacturer's Code (UIM_ID MFR Code) - The portion of the UIM_ID that uniquely identifies the manufacturer of a mobile station.

UIM_ID Manufacturer's Code assignee – The entity to which a UIM_ID Manufacturer's Code has been assigned for the manufacture of mobile stations.

15.0 Revision History

<i>Version 1.0</i>	18 April 2001 Initial Publication

UIM_ID MANUFACTURER'S CODE ASSIGNMENT

Manufacturer

Decimal

Binary

ELECTRONIC SERIAL NUMBER MANUFACTURER'S CODE APPLICATION AND RELATED FORMS PACKAGE

The forms in this package are used for communication between the UIM_ID administrator and applicants for and assignees of these resources. Forms included in this package are:

Form A –UIM_ID Manufacturer's Code Application

Applicants complete, sign, and return this form to apply for a UIM_ID Manufacturer's Code.

Form B –UIM_ID Manufacturer's Code Application Disposition

The administrator uses this form to notify the applicant of the outcome of their application, which may be a code assignment, denial, or a request for additional clarifying information.

Form C –UIM_ID Manufacturer's Code Deployment

The recipient of a UIM_ID Manufacturer's Code assignment uses this form to notify the administrator that the assigned code has been deployed.

Form D – Request for Change in UIM_ID Manufacturer's Code Assignment Information

UIM_ID Manufacturer's Code assignees use this form to notify the administrator of a change in any of the assignment information; for example, a change in the name, address, or phone number of the contact person in the company holding the UIM_ID Manufacturer's Code. As a more complex example, this form should also be used to record the transfer of a UIM_ID Manufacturer's Code to a new company, as might happen as a result of a merger or acquisition.

Form E – Confirmation of Change of UIM_ID Manufacturer's Code Assignment Information

The administrator uses this form to acknowledge a change initiated by a UIM_ID Manufacturer's Code assignee through submission of Form D.

Form F –UIM_ID Manufacturer's Code Assignment Return

UIM_ID Manufacturer's Code assignees use this form to return to the pool any UIM_ID Manufacturer's Codes which are no longer required.

Form G – Certification of Compliance with UIM_ID Guidelines

UIM_ID Manufacturer's Code assignee use this form to certify compliance with the UIM_ID Guidelines and report the status fo issued codes

Return completed forms to:

3GPP2 UIM_ID Administrator
c/o Telecommunications Industry Association
2500 Wilson Boulevard, Suite 300
Arlington, VA 22201 USA
Phone: +1 703-907-7700 Fax: +1 703-907-7476

FORM A – UIM_ID MANUFACTURER’S CODE APPLICATION

Entity requesting assignment:

General description of the mobile station to be provided:

.....
.....
.....

Regulatory Agency Approval Code (if required).....

Is this request associated with a request for multiple UIM_ID Manufacture’s Codes, per Section 8.4.3?

YES NO

If YES, please list the other wireless UIM_ID Manufacture’s Codes associated with this request

.....
.....
.....

Do special considerations apply, per section 8.4.2 or an addendum?

YES NO

If YES, please specify the special consideration needed

.....
.....

FORM A – UIM_ID MANUFACTURER’S CODE APPLICATION

Where the UIM_ID resides with other memory, the encoding technique shall include multiplication or division by a polynomial, cyclical coding, or the spreading of UIM_ID bits over non-sequential memory locations.

Contact name:

Company:

Address:

Room:

City, State, ZIP:

Phone: Fax: E-mail:

Signature below indicates that the applicant:

- Certifies the accuracy of the information provided in this application,
- Commits to deploy any assigned UIM_ID Manufacturer’s Code(s) within the time period specified by the assignment guidelines (Section 5.10),
- Certifies that the service to be provided with the UIM_ID Manufacturer’s Code for mobile sets used in public two-way CMRS,
- Certifies that any required authorization has been secured from the appropriate federal, state, or local regulatory bodies, and
- Understands and agrees that the use of any assigned assigned UIM_ID Manufacturer’s Code(s) in a manner other than in conformance with the assignment guidelines may result in forfeiture.

FORM A – UIM_ID MANUFACTURER’S CODE APPLICATION

Authorized name:

Authorized signature:

Date of application:

FORM A – USER IDENTITY MODULE ID MANUFACTURER’S CODE APPLICATION

There is a non-refundable application fee for each UIM_ID Manufacturer’s Code requested. Payment of the \$TBD US non-refundable application fee is:

€ by enclosed check (made payable to “**TIA OR 3GPP2**) or

€ by credit card (mark one): € MasterCard

€ Visa

€ American Express

Credit card number _____

Expiration date _____

Signature of card holder _____

Printed name of card holder _____

Dated: _____

Return completed application forms to:

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FORM B – UIM_ID MANUFACTURER’S CODE APPLICATION DISPOSITION

Your application filed for assignment of a UIM_IDManufacturer’s Code has been reviewed by the Administrator. The box checked below indicates the action taken:

Your application has been approved. The UIM_ID Manufacturer’s Code assigned for your use is:
.....

The assignment is effective as of:

The information recorded for this assignment is shown below. Please notify the Administrator immediately of any errors in or changes to this information.

(Display computer generated assignment information here.)

Your application has been denied for the following reason(s):
.....
.....

You are entitled to appeal this denial as specified in Section 13 of the assignment guidelines.

The following additional information is needed to process your application:
.....
.....

Authorized name:

Authorized signature:

Date:

FORM C – UIM_ID MANUFACTURER’S CODE DEPLOYMENT FORM

By submitting this form, I certify that

UIM_ID Manufacturer’s Code:

Assigned to:

Is deployed effective (date):

Authorized name:

Authorized signature:

Date of this notification:

Return completed application forms to:

3GPP2 UIM_ID Administrator
c/o Telecommunications Industry Association
2500 Wilson Boulevard, Suite 300
Arlington, VA 22201 USA
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FORM D – REQUEST FOR CHANGE IN UIM_ID MANUFACTURER’S CODE INFORMATION

Effective (date):

The assignment information for UIM_ID Manufacturer’s Code: should be changed. The changes are described below:

Authorized name:

Authorized signature:

Date of this notification:

Return completed application forms to the:

3GPP2 UIM_ID Administrator
c/o Telecommunications Industry Association
2500 Wilson Boulevard, Suite 300
Arlington, VA 22201 USA
Phone: +1 703-907-7700 Fax: +1 703-907-7476

**FORM E – CONFIRMATION OF CHANGE IN UIM_ID MANUFACTURER’S CODE
ASSIGNMENT INFORMATION**

Your request dated _____ for change(s) to the assignment information for UIM_ID
Manufacturer’s Code _____ has been processed by the administrator and the changes have been
made. Please verify the revised assignment information below and report any errors or discrepancies to the
administrator.

(Display computer generated assignment information here.)

Authorized name:

Authorized signature:

Date of this notification:

Report discrepancies to the:

3GPP2 UIM_ID Administrator
c/o Telecommunications Industry Association
2500 Wilson Boulevard, Suite 300
Arlington, VA 22201 USA
Phone: +1 703-907-7700 Fax: +1 703-907-7476

FORM F – UIM_ID MANUFACTURER’S CODE ASSIGNMENT RETURN

UIM_ID Manufacturer’s Code:

Currently held by:

is no longer required effective (date)

and may be returned to the pool for assignment to another entity.

Authorized name:

Authorized signature:

Date of this notification:

Return completed forms to the:

3GPP2 UIM_ID Administrator
c/o Telecommunications Industry Association
2500 Wilson Boulevard, Suite 300
Arlington, VA 22201 USA
Phone: +1 703-907-7700 Fax: +1 703-907-7476

FORM G - CERTIFICATION OF COMPLIANCE WITH UIM_ID GUIDELINES

We, _____, certify that UIM_ID Code _____, has been used in accordance
(Assignee)

with all of the terms and provisions set forth in the UIM_ID Guidelines as published by the

Telecommunications Industry Association and posted on the latter's web site on the date of this

certification ("UIM_ID Guidelines"). We further specify that we have complied in specific with Sections 5, 6, and 7 of the UIM_ID Guidelines.

We understand that failure to comply with the UIM_ID Guidelines (includingbut not limited to Sections 5, 6, and 7) will result in the forfeiture of the above UIM_ID Code(s).

Serial Numbers used thus far are in the range of _____ to _____.

Signed: _____

Title: _____

Date: _____

Return completed Form G to:

3GPP2 UIM_ID Administrator
c/o Telecommunications Industry Association
2500 Wilson Boulevard, Suite 300
Arlington, VA 22201 USA
Phone: +1 703-907-7700 Fax: +1 703-907-7476