



TADIG Code Naming Conventions

7.0

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Table of Contents

1	Introduction	3
1.1	Overview	3
1.2	Scope.....	3
1.3	Definition of Terms.....	3
1.4	Document Cross-References.....	3
2	TADIG Code Format	3
2.1	General	3
2.2	Relation to MCC/MNC	4
2.2.1	<i>Bilateral Roaming Model</i>	4
2.2.2	<i>Roaming Hubbing Model</i>	4
2.3	Country Code.....	4
3	TADIG Code Allocation Rules	4
3.1	General Rules	4
3.2	Roaming Hubbing	5
3.2.1	<i>General Rules for Roaming Hub TADIG Code Allocation</i>	5
3.2.2	<i>Example of Roaming Hub TADIG Code Allocation</i>	6
4	Known Issues List	7
5	TD.13 Application Form	8
6	TD.13 Application Form for Roaming Hubs	10
	DOCUMENT MANAGEMENT	12

1 INTRODUCTION

1.1 Overview

TADIG Codes are allocated by the GSM Association (GSMA) for use as primary identifiers, both within file contents and file names, in many TADIG defined data exchange processes. Some examples of processes using TADIG Codes include, but are not limited to:

- TAP (Transferred Account Procedure) Files
- NRTRDE (Near Real Time Roaming Data Exchange) Files
- RAEX (Roaming Agreement EXchange) AA.14 Files

1.2 Scope

This document contains the TADIG Code naming conventions, and the rules that must be followed when allocating TADIG Codes.

The naming conventions used within this document are based on already existing implementations, and the naming can therefore not always be referred to standards.

Changes to these conventions can be done only by submitting a formal Change Request (CR) to TADIG.

1.3 Definition of Terms

Term	Description
CR	Change Request
GSMA	GSM Association
MCC	Mobile Country Code
MNC	Mobile Network Code
NRTRDE	Near Real Time Roaming Data Exchange
RAEX	Roaming Agreement EXchange
RAP	Returned Account Procedure
Roaming Hub	Entity providing roaming services, as defined by BA.62
TADIG	Transferred Account Data Interchange Group
TADIG Code	Code used as company identifier in many TADIG defined data exchange processes
TAP	Transferred Account Procedure

1.4 Document Cross-References

Document	Name
ISO 3166-1	Codes for the representation of names of countries and their subdivisions
GSMA PRD AA.14	International Roaming Agreement – Individual Annexes
GSMA PRD BA.62	Roaming Hubbing Commercial Model
GSMA PRD TD.92	Roaming Hubbing TAP, RAP and NRTRDE Flow

2 TADIG CODE FORMAT

2.1 General

The TADIG Code consists of two fields, with a total length of five characters consisting of a three-character country code and a two-character operator/company ID.

2.2 Relation to MCC/MNC

2.2.1 Bilateral Roaming Model

A one-to-one relationship between TADIG Code and MCC/MNC pair is strongly recommended for the bilateral roaming model, as this is the only relationship supported by most billing systems. However, as the Industry develops, this may change. If an Organisation requires a different relationship, then they must agree this bilaterally with their commercial partner(s).

2.2.2 Roaming Hubbing Model

The roaming hubbing model requires the use of multiple TADIG Codes per operator, in case the Roaming Hub is part of the TAP and RAP flow. Consequently, a one-to-one relationship between TADIG Code and MCC/MNC pair may not be possible in the roaming hubbing model, and is therefore not required.

2.3 Country Code

All operators in one country must have the same Country Code.

Existing TD.13 country codes must be used in all new entries (even in those cases where ISO would change the ISO 3166-1 country code), except:

- In the case of Non-Terrestrial operators, Non-Terrestrial Network Extensions, Satellite operators, Associate Members and Non-operators.
- In the case that no TD.13 country code is available, then the three-character ISO 3166-1 country code must be used. Information regarding ISO 3166-1 can be obtained from ISO.

Note: Before the introduction of TAP2, old country codes were used with TAP1 files, however these were replaced by the ISO 3166-1 country codes. The old TAP1 country codes are no longer valid.

For Non-Terrestrial Operators, Non-Terrestrial Network Extensions and Satellite operators, the first 3 characters of the TADIG Code must be as follows:

- Aeronautical operators: AAA
- Maritime operators: AAM
- Satellite operators: AAQ

Note: Non-terrestrial operators, Non-Terrestrial Network Extensions or Satellite operators who registered other codes in the TD.13 database before the above rule went into effect are not required to change their codes.

Associate Members and Non-Members can either use the existing format or alternatively use a company identifier of three letters. If a company identifier is used, they cannot be the same as any existing ISO 3166-1 country code. Should the code chosen by the Associate Member or Non-Member one day become an ISO code then the Associate Member or Non-Member would have to forgo the chosen TADIG code and choose another.

3 TADIG CODE ALLOCATION RULES

3.1 General Rules

The TADIG Code must be registered with the TD.13 database on the Infocentre before it can be used in any GSMA data interchange.

Due to existing implementations, the existing TADIG Codes cannot be changed.

Note: A deleted TADIG Code cannot be re-used.

The introduction and/or deletion of a TADIG Code must be reflected in the AA.14. Organisations can have public TADIG Codes (used on the public interface) and private TADIG Codes (used on their private interface).

Ranges of TADIG operator/company IDs have been reserved to organisations to use at their own discretion. All codes falling within these ranges cannot be assigned to organisations for use as an operator/company ID. If organisations need to use codes outside of these ranges, even for private use, these codes must be registered with the GSMA, to ensure duplication does not occur. The user reserved operator/company IDs are the series of letters:

- YA to YZ
- ZO to ZZ

3.2 Roaming Hubbing

3.2.1 General Rules for Roaming Hub TADIG Code Allocation

The roaming hubbing model requires the use of multiple (alias) TADIG Codes per operator, in case there are Roaming Hubs involved in the roaming relation who are part of the TAP and RAP flow. For a complete description of how TADIG Codes are used in the roaming hubbing model, see TD.92.

A Roaming Hub is only authorised to apply for an alias TADIG code for an operator if it is part of the TAP and RAP flow for a roaming relationship involving that operator. A Roaming Hub who is not part of the TAP and RAP flow, does not need any alias TADIG codes and therefore cannot apply for them.

Roaming Hubs applying for TADIG codes to represent operators must use the specific Roaming Hub application form in section 6.

Applications by Roaming Hubs for a TADIG code to represent a client operator must conform to the following rules:

- The requesting Roaming Hub is in the TAP and RAP flow, and
- The client operator has elected to start a roaming relationship through the requesting Roaming Hub, and
- The Roaming relationship involves a network (Elected Connected Operator) that uses a Roaming Hub that is in the TAP and RAP flow.

Applications by Roaming Hubs for TADIG codes to represent networks (Elected Connected Operators) a Client Operator wishes to set up a roaming relationship with must conform to the following rules:

- The requesting Roaming Hub is in the TAP and RAP flow, and
- The client operator has elected to start a roaming relationship with the network through the requesting Roaming Hub.

In order to avoid too many TADIG Codes being issued where they are not needed, the GSMA will supervise and control the allocation of TADIG codes to Roaming Hubs.

All TADIG Codes must be justified, so it is clear the application is valid. By filling in the application form, the Roaming Hub guarantees that it is compliant with the TADIG code allocation rules defined in this section.

If codes are allocated due to an incorrect application, the Roaming Hub may need to forgo the allocated codes.

3.2.2 Example of Roaming Hub TADIG Code Allocation

TADIG Codes and countries used are just examples and not meant to identify existing operators or Roaming Hubs.

Scenario Description:

Roaming Hub H1 has a client Sweden1 who wants to roam with operators Norway1 and Finland1.

Roaming Hub H4 has a client Denmark1 who also wants to roam with operators Norway1 and Finland1.

Norway1 is a client of Roaming Hub H2; Finland1 is a client of Roaming Hub H3.

All four Roaming Hubs have Roaming Hubbing Inter-working Agreements in place amongst each other.

Roaming Hubs H1 and H2 are both part of the TAP and RAP flow.

Roaming Hubs H3 and H4 are not part of the TAP and RAP flow.

The following TADIG Codes are already allocated:

- Sweden1 bilateral TADIG Code = SWE01
- Denmark1 bilateral TADIG Code = DNK01.
- Norway1 bilateral TADIG Code = NOR01.
- Finland1 bilateral TADIG Code = FIN01.

TADIG Codes Allocation:

To implement the four required roaming relationships, the following TADIG Codes need to be requested and allocated:

Roaming Hub H1 will apply for 3 TADIG Codes to support the implementation of the roaming hub relationships required by their client Sweden1:

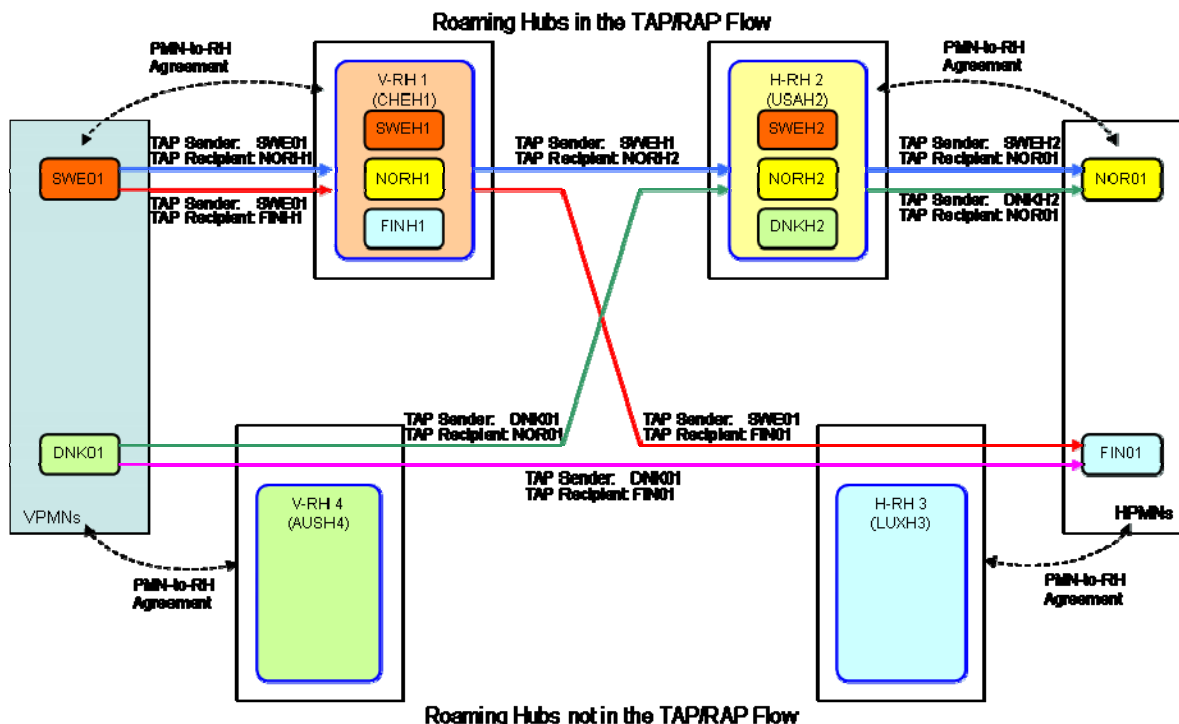
- SWEH1 to be used by H1 for the roaming with Norway1.
- NORH1 to be used by H1 for the roaming with Norway1.
- FINH1 to be used by H1 for the roaming with Finland1

Roaming Hub H2 will also apply for 3 TADIG Codes to support the implementation of the roaming hub relationships required by their client Norway1:

- SWEH2 to be used by H2 for the roaming with Sweden1.
- NORH2 to be used by H2 for the roaming with Sweden1.
- DNKH2 to be used by H2 for the roaming with Denmark1.

Roaming Hub H3 and Roaming Hub H4 will not need any TADIG codes for any of the operators, as they are not part of the TAP and RAP flow.

The following picture shows the distribution of the TADIG Codes and their usage according TD.92:



4 KNOWN ISSUES LIST

There are a few known discrepancies with the data provided in the TD.13 database. Several of these discrepancies are perfectly legitimate and will remain. Details are provided below:

- USA does not always represent the area of coverage (such as US territories), although this is not in line with the current TD.13 rules. However, new applications for TADIG codes need to respect the TD.13 rules and make use of the ISO code for the territory.
- Some operators in Romania and Sudan use the old ISO country code however new applications for TADIG codes have and will be allocated with the new ISO country code for these countries.
- YUG has been used by Montenegro and Serbia operators. Each country now has its own ISO code (MNE and SRB, respectively). Going forward, applications for new TADIG codes will use these ISO codes.
- Montenegro operators will have a transition period, as they change to a new MCC, where they will have two TADIG Codes simultaneously, one with the YUG ISO code and one with the new MNE code. Serbian operators will not have such a transition period.
- FRAF4 – FRA (France) does not represent the area of coverage.
- FRATK – FRA (France) does not represent the area of coverage.
- FRARE – FRA (France) does not represent the area of coverage.
- MCOM2 – MCO (Monaco) does not always represent the area of coverage.
- K00 – Kosovo is not (at the time of the addition of this text) recognised as a country by ITU and does not have its own code. K00 is used to represent Kosovo within TD.13.

Note: Any additional discrepancies should be submitted to TADIG in the form of a CR to TD.13.

5 TD.13 APPLICATION FORM

This form must be submitted to the TD.13 Coordinator (e-mail: td13@gsm.org). Please note that, following the provision of correct and complete information, the information will be uploaded onto the TD.13 database within two weeks.

Please check [X] the relevant boxes.

Is this information: New Entry
 Deletion of Entry

Is your organisation a member of the GSM Association? Yes
 No

(There is a small fee payable by Non Members. For further information contact td13@gsm.org.)

If you answered 'Yes' above, please indicate the nature of membership
 (Full/Associate/Rapporteur/Parent Company)

The fields below have been populated with a working example, as a reference guide, to help you complete this form. (Please DELETE this help before completing the form).

1. **Organisation Name** (the registered business name of your organisation)
GSM Association
2. **Operator/company Name** (the commercial name under which you operate your licence or company name in the case of non-operators)
GSMA
3. **Operator/company Country/Area** (full country/area name)
Ireland
4. **TADIG Country/Area Code** (The three-character code for your country/area – please see previous pages for information on where to find this code)
IRL
5. **TADIG Operator/Company Code** (Please create a two-character code at your own discretion noting that it must not comprise of an Operator ID within the User Assigned TADIG range noted in section 3.1. This can comprise letters and/or digits and must be different from other allocated codes in your country/area. If you prefer the GSMA to choose a code for you, please leave blank.)
GS
6. Please check [X] the relevant box:
 Public Code (used on the public interface)
 Private Code (used on the private interface)

Note: All TADIG codes must be upper case.

If you wish to request more than one code, please fill out the table below with your additional code requirements:

Organisation	Operator / Company Name	Operator / Company Country/ Area	TADIG Country/ Area Code	TADIG Operator/ Company Code	Public / Private Code

I guarantee that the information provided above is correct and is following the rules of TD.13. I recognise that I may have to forgo codes that have been allocated due to an incorrect application.

Document	
Name:	Phone:
Fax:	E-mail:
Date:	Signature:

Requesting Roaming Hub Name	Requesting Roaming Hub TADIG Code	Operator Name	Operator Country/ Area	Operator Principal TADIG Code	Client (Y/N)	Requested Alias Country / Area Code	Requested Alias Operator Code

I guarantee that the information provided above is correct and is following the rules of TD.13. I recognise that I may have to forgo codes that have been allocated due to an incorrect application.

Document	
Name:	Phone:
Fax:	E-mail:
Date:	Signature:

DOCUMENT MANAGEMENT

Document History

Version	Date	Brief Description of Change	Approval Authority	Editor / Company
		Previous history unavailable		
3.12.2	20 Jun 2002	CR 001 (TADIG Doc 074_02)	TADIG #53	Christer Gullstrand / Syniverse Technologies
3.12.3	5 Dec 2002	CR 002 (TADIG Doc 143_02rev1)	TADIG #54	Christer Gullstrand / Syniverse Technologies
3.12.4	20 May 2004	CR 003 (TADIG Doc 57_061rev1)	TADIG #57	Christer Gullstrand / Syniverse Technologies
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4.2	9 Nov 2006	Minor CR 009 (TADIG Doc 62_020)	TADIG #62	Christer Gullstrand / Syniverse Technologies
4.3	7 Jun 2007	Minor CR 011 (TADIG Doc 63_026) Removal of payment information.	TADIG #63	Christer Gullstrand / Syniverse Technologies
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5.1	22 May 2008	Minor CR 012 (TADIG Doc 65_055) Editorial clarification: TADIG code used for more than TAP and RAP.	TADIG #65	Christer Gullstrand / Syniverse Technologies
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Version	Date	Brief Description of Change	Approval Authority	Editor / Company
7.0	2 Jul 2009	Major CR 015 (TADIG Doc 67_053) Change to rules for allocation of TADIG codes to Roaming Hubs.	TADIG #67 EMC #74	Christer Gullstrand / Syniverse Technologies

Other Information

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