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Contents

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Foreword

This ETSI Technical Report (ETR) has been produced by the Signalling Protocols and Switching (SPS) Technical Committee of the European Telecommunications Standards Institute (ETSI).

ETRs are informative documents resulting from ETSI studies which are not appropriate for European Telecommunication Standard (ETS) or Interim European Telecommunication Standard (I-ETS) status. An ETR may be used to publish material which is either of an informative nature, relating to the use or the application of ETSs or I-ETSs, or which is immature and not yet suitable for formal adoption as an ETS or an I-ETS.

This ETR contains the structure for the mobile domain of the common domain of the ETSI object identifier tree.

Introduction

During the May '91 meeting of SPS2, it was agreed that a structure for the mobile domain be defined within the common domain of the ETSI object identifier tree. Technical Committee SPS endorsed this proposal and devolved the responsibility for defining the mobile domain to SPS2.

The December '91 meeting of SPS2 further elaborated these proposals. Prior to this meeting, it was confirmed by the ETSI secretariat that SPS2 were the current authority for the allocation of the mobile domain structure under the ETSI common domain arc 0 (Path 0 4 0 0) and SPS2 will define the structure and rules for using this part of the common domain. The November '92 meeting of SPS2 agreed that the structure of the mobile domain should be defined in an ETR.

The mobile domain spans the responsibility of two ETSI Technical Committees: SPS and SMG.

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1 Scope

This ETR describes the structure for the mobile domain of the common domain of the ETSI object identifier tree as defined in ETS 300 351 [1].

2 References

For the purposes of this ETR, the following references apply:

[1] Draft prETS 300 351 (1993): "ETSI object identifier tree; Rules and registration procedures".

[2] ETSI-GSM Technical Specification 09.02 Version 4.3.0 (1993): "Mobile Application Part Specification".

[3] ETSI-GSM Technical Specification 04.08 Version 4.4.0 (1993): "Mobile Radio Interface - Layer 3 Specification".

NOTE: The list of references is incomplete. References [2] and [3] are just examples of usage of "GSM Network" and "GSM Access".

3 Definitions

For the purposes of this ETR, the following definition applies:

Common domain: is a set of objects which are part of the definition of a protocol or a set of related protocols.

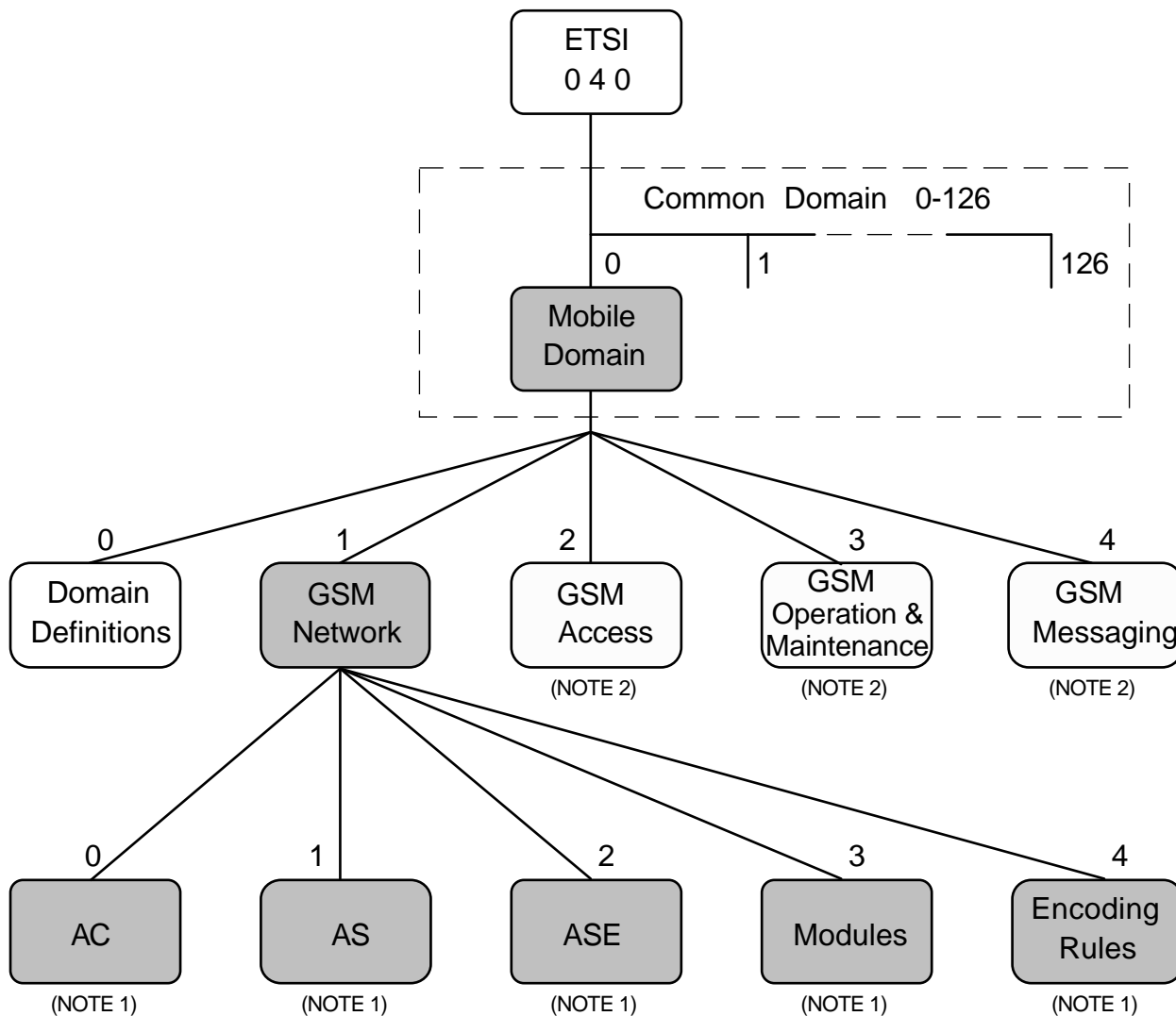# 4 Symbols and abbreviations

For the purposes of this ETR, the following abbreviations apply:

GSM   Groupe Speciale Mobile

SMG   Special Mobile Group

SPS   Signalling Protocols and Switching

TC   Technical Committee

5 Structure of mobile domain

5.1 Tree structure

This domain spans two Technical Committees (TCs), Signalling Protocols and Switching (SPS) and Special Mobile Group (SMG). Figure 1 represents the proposed structure for the mobile domain. It identifies the designated authorities for assigning arcs in this subtree and defines some protocol objects under node 0 4 0 0 1 ("GSM Network"). The definition of the subtree for arc 2 ("GSM Access"), arc 3 ("GSM Operations and Maintenance") and arc 4 ("GSM Messaging", i.e. Short Message Service) of the mobile domain subtree are the responsibility of TC SMG and will be defined in separate documents.

NOTE 1:   Further structure defined in [2].

NOTE 2:   The structure shown beneath GSM Network is just an example and
           does not apply to the other nodes beneath Mobile Domain.

Abbreviations:

AC   Application Context

AS   Abstract Syntax

ASE   Application Service Element

= SPS2 Responsibility

= SMG Responsibility

Figure 1: Proposed mobile domain

5.2 ASN.1 description

Table 1

```
MobileDomainDefinitions {ccitt (0) identified-organization (4) etsi (0)
                         mobileDomain (0) mobileDomainDefinitions (0) version1 (1)}


DEFINITIONS ::=
BEGIN


-- Mobile DomainId

mobileDomainId OBJECT IDENTIFIER ::= {ccitt (0) identified-organization (4) etsi (0) mobileDomain (0)}


-- Mobile Subdomains

gsm-NetworkId OBJECT IDENTIFIER ::=                 {mobileDomainId gsm-Network (1)}
gsm-AccessId OBJECT IDENTIFIER ::=                  {mobileDomainId gsm-Access (2)}
gsm-OperationAndMaintenanceId OBJECT IDENTIFIER ::= {mobileDomainId gsm-Operation-Maintenance (3)}
gsm-MessagingId OBJECT IDENTIFIER ::=              {mobileDomainId gsm-Messaging (4)}


-- Common Component Ids for structuring Mobile Subdomains

CommonComponentId ::= INTEGER (0..9)

ac-Id CommonComponentId ::=    0
as-Id CommonComponentId ::=    1
ase-Id CommonComponentId ::=   2
moduleId CommonComponentId ::=  3
er-Id CommonComponentId ::=    4

END -- MobileDomainDefinitions
```

History

Document history	
July 1993	First Edition
February 1996	Converted into Adobe Acrobat Portable Document Format (PDF)