

Source:**MCC**

john.meredith@etsi.fr

Title:**Proposals for procedures related to transfer of GSM specifications to 3GPP****Document for:****Information and (SA only) approval****Agenda Item:****SMG:****R: 9****T: 7.3****N: 8.3****S: 8.2**

1 Introduction

Note: In this contribution, the terms "GSM specification" and "2G specification" are synonymous, and refer to those specifications which are specific to the second generation GSM system only, and are not common to the third generation system.

The 3GPP Organizational Partners have agreed in principle to the transfer of all remaining GSM specifications from ETSI TC SMG to 3GPP. (It is possible that some of the 11. and 13. series will in fact be transferred to ETSI TC MSG, but this aspect will not be covered in the present contribution.) The final decision on the precise modalities of the transfer will be taken in July, but it is necessary that concrete plans are made prior to that time, and that the present TSGs are in accord with the future operational aspects of the transfer.

With the closure of TC SMG (meeting number 32, 19-20 June 2000 is the last scheduled meeting), the SMG area on the ETSI "docbox" fileservers will be frozen. Once all the files (tdocs, specs, report, ...) resulting from that meeting are in place, no further additions to the SMG area will be made. Eventually (but not in the short term), the SMG area will be "archived" in a similar way to the areas for other defunct committees.

2 Access to the GSM specifications

When the transfer becomes official, the storage area of all the GSM specifications will migrate from the ETSI SMG server to the 3GPP server. In order to prevent users taking out of date specs from the SMG server, we propose to remove the GSM specs from docbox, and to substitute a "readme" file indicating that they are now to be found on the 3GPP server.

The SMG habit was to keep a directory of specifications for each Release, but not for each meeting. 3GPP, on the other hand, has kept a directory per meeting. In order to profit from the benefits of both these approaches, we propose to keep a set of specifications pertaining to each release and to each meeting. This would result in the directory structure depicted in figure 1. In addition, there would be a set of (static) directories for the specs as they were inherited from SMG, which would be frozen at their status following SMG#32.

At the same time, it is desirable to rename the directories which contain the 3G specifications resulting from the previous TSG meetings so that they sort correctly alphabetically in chronological order. At present, they are named according to month and year, so do not sort chronologically, which can be confusing when looking for particular versions of specifications. The renaming would be accomplished as shown in figure 2.

The TSGs are asked to agree to the directory structure for specification storage.

3 Publication of GSM specs by ETSI and other SDOs

The "ownership" of the GSM specifications will pass from ETSI to 3GPP; that is, to joint ownership by all the Organizational Partners. In their capacity as Standards Development Organizations, each Organizational Partner is at liberty to publish the GSM specifications in the form of its own standards. In order not to burden 3GPP with publication arrangements peculiar to each Partner, we propose to assign a new "virtual" document type to all the GSM specifications, called 2GTS or 2GTR. These would then be handled in an exactly similar way to that in which the Organizational Partners currently handle the 3GTSs and 3GTRs.

In view of the new regulatory regime pertaining in Europe (in particular the European Union), it is proposed that ETSI publish all the 2G specifications developed by 3GPP as ETSI Technical Specifications (TSs) or ETSI Technical Reports (TRs) as appropriate, exactly as it has been doing for the 3G specifications. That is, ETSI will not publish any 3GPP document as a European Standard (EN). This will require a change of number for some of the specs which are currently published as ENs, and this is described in detail in clause 4 below.

As GSM specifications are modified, they will be edited to replace the cover page and early elements with those pertaining to the standard 3GPP template. This will eliminate the ETSI-specific aspects such as IPR statement, ETSI EN (etc.) number, ETSI copyright statement, ..., and replace them with the stock 3GPP equivalent information. Time within MCC will probably not permit this exercise to be performed systematically on all GSM specs; rather, only documents being edited for other reasons will be so treated. Every GSM spec promoted to Release 2000 will undergo this process; for pre-2000 release versions, this process will only be undertaken at the time of incorporation of a Change Request. Eventually, most specs will thus be de-ETSIified.

ETSI, in issuing its own equivalent standards, will replace the 3GPP front cover with one pertaining to ETSI, and bearing the ETSI number, copyright statement, IPR clause, etc. (Other SDOs issuing the standards will probably do likewise.)

On the other hand, most if not all the documents - whether 2G or 3G - delivered by ETSI TC MSG will be written under mandate from the European Commission and EFTA Secretariat, and will be intended for regulatory application as Harmonized Standards under the Radio and Telecommunication Terminals Directive. As such, they will be published by ETSI as ENs. Any national comments arising from the Public Enquiry process will be handled by TC MSG, but fed back to 3GPP in the form of Change Requests to the base specifications. Such CRs will be sourced by ETSI TC MSG, rather than any particular company or country.

The TSGs are asked to note the need for ETSI TC MSG to have direct input to the 3GPP standardization activity.

If the regulatory regime in other countries / regions so dictates, similar arrangements will have to be made for contribution to 3GPP from the other Organizational Partners.

4 Migration of GSM specifications; numbering and version issues

When considering the subclauses below, the following important points should be borne in mind:

- Point 1: No change will be made to the spec number or version range of 2G specs pertaining to earlier releases (pre-2000). These will retain their existing spec numbers and version numbers.
- Point 2: 2G specs **pertaining to pre-2000** releases will continue to be published by ETSI under their current ETSI numbers, except that all will be published henceforward as ETSI TS or ETSI TR deliverables. This implies that:
 - Specs which are already published as ETSI TSs or TRs will retain their existing ETSI number.

- Specs which are currently published by ETSI as ENs, I-ETSS or ETSSs will, on conversion to TSs, be awarded new numbers as follows:
 - a) ENs (etc.) numbered 3xx xxx will become TS 1xxx xxx, where the value of xx xxx is the same in both cases. This will apply where the ETSI number 1xx xxx *has not* already been allocated to a different deliverable.

For example, GSM 08.08, published as ETSI EN 300 590, will become TS 100 590.

- b) ENs (etc.) numbered 3xx xxx will become TS 1yy yyy, where the value of yy yyy is different from, and unrelated to, xx xxx. This will apply where the ETSI number 1xx xxx *has* already been allocated to a different deliverable.

For example, GSM 05.10, published as ETSI EN 300 035 cannot become TS 100 035, because TS 100 035 already exists (it is a document from TC EE on guidance and terminology for environmental engineering). In this case, EN 300 035 might become (say) TS 101 819 (first available free number in the ETSI TS series).

- Specs which are currently published by ETSI as any other deliverable type (e.g. ETR) will, on conversion to TSs or TRs, as appropriate, be awarded new numbers of the form TS 1yy yyy or TR 1yy yyy.

Point 3: 2G specs pertaining to pre-2000 releases will only be republished by ETSI if they change - i.e. if a Change Requests are approved by the relevant TSG. Only then will any necessary change of deliverable as described in Point 2 above take place. There is no intention to systematically republish all GSM specs pertaining to pre-2000 releases.

4.1 Change of GSM spec numbers from Release 2000 onwards

Considering that the number of GSM specifications is likely to continue to increase, albeit slowly, and that the stock of GSM numbers of the form aa.bb is almost exhausted, it is proposed to change the GSM numbering structure for Release 2000 onwards to align it with that used for the 3G specifications: that is, to add a third (leading) digit after the dot, thus: aa.bbb. All the existing GSM specifications would have zero for this added digit.

In addition, an offset of 40 will be added to the series value (the two digits before the dot). Thus 08.33 becomes 48.033. 2G specs are distinguishable by having their exponent in the range 40.bbb to 53.bbb, whilst 3G specs are in the range 20.bbb to 39.bbb.

Note that 2G specs for pre-2000 releases remain unchanged (08.33).

The TSGs are asked to note this approach to migrated spec numbers.

4.2 Version numbers of 2G specs from Release 2000 onwards

It is desirable for specifications relating to both 2G and 3G sets for a given release to bear the same major version number field. At present, 2G specs relating to R1999 are version 8.y.z whilst 3G specs of R1999 are version 3.y.z.

For Release 2000, both 2G and 3G specs will bear version numbers 4.y.z.

Thus (assuming continuing annual releases):

Release	2G	3G
GSM Phase 1	08.33 v3.y.z	
GSM Phase 2	08.33 v4.y.z	
Release 96 (GSM Phase 2+)	08.33 v5.y.z	
Release 97 (GSM Phase 2+)	08.33 v6.y.z	
Release 98 (GSM Phase 2+)	08.33 v7.y.z	
Release 99 (GSM Phase 2+)	08.33 v8.y.z	28.133 v3.y.x
Release 00 (GSM Phase 2+)	48.033 v4.y.z	28.133 v4.y.x
Release 01 (GSM Phase 2+)	48.033 v5.y.z	28.133 v5.y.x

It is considered that there is little likelihood of confusing 08.33 v4.y.z (GSM Phase 1) with 48.033 v4.y.x (GSM Phase 2+ Release 2000).

The TSGs are asked to note this approach to version numbering.

4.3 Publication of 2G specifications as ETSI deliverables

This topic is only of direct interest to ETSI members, but is included in order that all 3GPP delegates are aware of the issue.

New ETSI numbers will be allocated to all 2G specs for release 2000 onwards. The opportunity will be taken to reserve a contiguous block of numbers in a similar way as that for the 3G specs. The block of ETSI numbers reserved for these 2G specs will be 140 000 to 159 999.

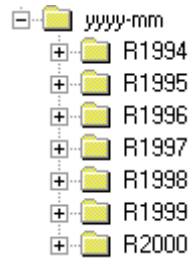
The algorithm for mapping 2G spec number to ETSI number will require the addition of a fixed offset:

$$\text{ETSI number} = \text{2G spec number} + 100\,000$$

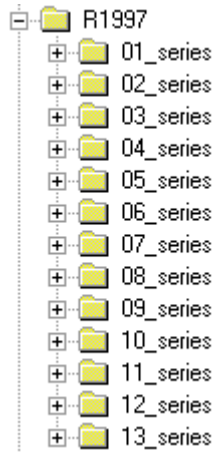
so that, for example, 2G TS 48.033 would be published as ETSI TS 148 033. This is same algorithm as that used for the 3G specs.

The ETSI Member Organization representatives within the TSGs are asked to note this approach to formal publication.

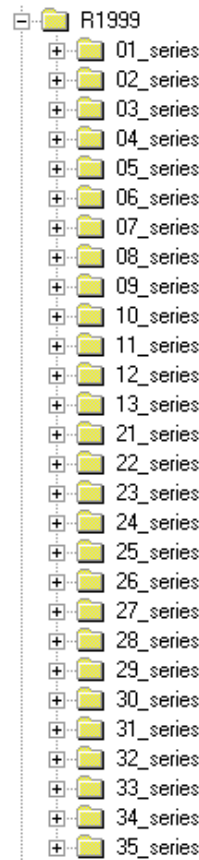
per
meeting
structure



substructure of early releases
(2G only, pre-3G)



substructure of
release 1999
(2G and 3G)



substructure of
release 2000 and later
releases
(2G and 3G)

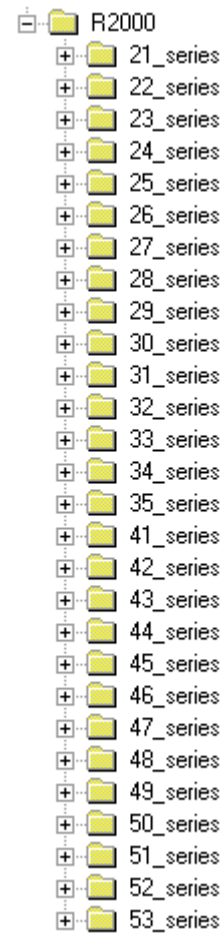


Figure 1: Proposed spec directory structure

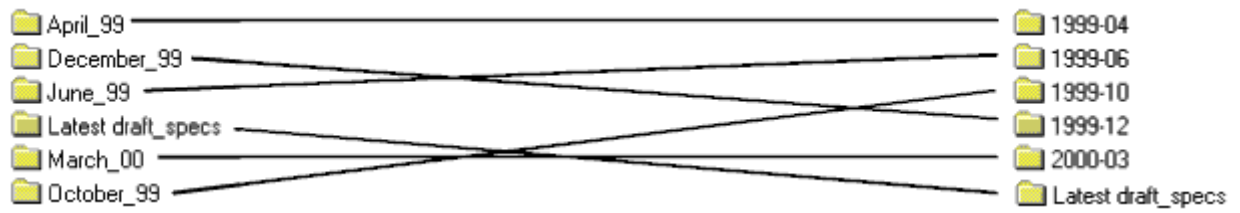


Figure 2: Directory mapping, old (left) to proposed new (right)