ETSI-GSM                                    GSM Doc 279/89
Meeting no 23
Ronneby, 1989.06.05-09


# GSM MEETING REPORT (approved)

Place:        Ronneby
Time:         1989.06.05-09
Participants: See Annex 1
Agenda:       See Annex 2
Documents:    See Annex 3


## 1    OPENING OF THE MEETING

The chairman opened the meeting by recalling the development of the
GSM-project since the last time the group met in Sweden several years
ago, up till this first meeting under the ETSI regime. The new members
were welcomed to the GSM group.


## 2    ADOPTION OF THE AGENDA

The approved agenda appears as annex 2 to this report.


## 3    REGISTRATION OF DOCUMENTS

The documents listed in annex 3 were considered.


## 4    REPORT ON ETSI ACTIVITIES

### 4.1   TA3

The chairman reported that several new TC's were formed at the last
TA, namely the Strategic Review Group, PS, VSAT and IPR. The Strategic
Review Group will start looking at mobile communications. The IPR
group replaces the former GSM WP5. ETSI now consists of appr. 10 TC's.

TA has made claer that the TC's themselves are responsible for
technical decisions. TA will not solve technical problems, but this is
the task of the TC's. TA will only do the voting when this is
requested. However, the TC's are urged to avoid sending technical
problems to TA for voting.

The work on the ETSI rules is pursued. So far only draft rules exist.

Participation from non-member organisations is normally not allowed.
However, the chairman has the right to invite a non-member
organisation to the meetings, if such participation is
considered to be of major importance.

The question of the location of the PN has been frequently discussed.
It is now generally accepted that the PN will stay in Paris. It has
also been suggested that the PN should keep its old designation and
not change to PT 12. The WP's however, should be designated
Sub-Technical Committees (STC's).

## 4.2 ETSI SEMINAR

The chairman informed about an ETSI seminar which took place a few weeks ago. The purpose of this seminar was to present the ETSI standardisation projects.

It was mentionned that the standstill period will come into force as the result from the adoption of an ETS, but not from an I-ETS.

## 4.3 MEETING ON PROCEDURES AND DOCUMENT HANDLING

The chairman reported the following from the discussions in the TA concerning document handling:

- Each TC is responsible for distributing its own documents to the participants as specified in the mailing list. The ETSI permanent secretariat will distribute documents to the other ETSI members.

- Permanent documents are the recommendations (final versions) and executive summaries from the meeting reports. In addition to that, the TC's can decide on their own what documents shall become permanent.

- It is accepted that GSM considers all its documents as temporary.

- The GSM numbering system can remain as it is.

Mr Haase gave a verbal report from a meeting in Stockholm on June 5 concerning working procedures for the TA and its working bodies (ref GSM Doc 270/89). Complete guidelines have not yet been elaborated. A number of sections are however available and these were distributed to the GSM delegates. Mr Haase reported that sections A and B are fairly well developed, whilst section C needs further consideration. Section G, which covers the procedures for preparation of ETS's, is not yet available. It will be progressed in a meeting on June 14 with representatives from CEN/CENELEC. The document will be input to the next TA meeting for approval.

A small meeting, including people from the PN, the WB's and the MOU-group was convened, in order to produce a proposal for a new document structure. The outcome of the work is contained in Doc 278/89, which was approved after consideration by the full GSM.

## 5 STATUS REPORTS OF WB's

## 5.1 GSM 1

Status report of GSM1, (Doc 193/89)

The following was noted:

Annex 1    GSM endorsed the mandate proposed in this annex for the joint GSM1/GSM3 ad-hoc group.

Annex 2    GSM3 was asked to discuss the CR of this annex prior to its further consideration by GSM.

Resources  The meeting noted that the resource situation has improved in GSM1, but more resources are still needed. The chairman encouraged the industry to participate in GSM1.

Rep 02.08, version 2.0.0    (Covering Note in Doc 204/89)

Decision:   The report was approved.
            New version: 3.0.0


Rec 02.24, version 2.3.1    (Covering Note in Doc 205/89)

Decision:   The recommendation was approved. New version: 3.0.0


Rec 11.11, version 2.0.0    (Covering Note in Doc 206/89)

Page 22:    ALW was changed to PIN.

The recommendation was found stable in most parts. However CR's are
expected in some sections, as indicated in the annex of Doc 206/89.

Decision:   The recommendation was approved. New version: 3.0.0
            Editorial changes will be introduced by the editor of the
            recommendation. This version (including the editorial
            changes) will have the version number 3.0.1. Three annexes
            will be added to the recommendation at the next GSMmeeting.


Rec's 02.81, 02.83 - 02.87, versions 2.0.0
(Covering Notes in Doc's 227/89 - 232/89)

Decision:   All recommendations were approved. New versions: 3.0.0


Rec 02.04, version 3.4.1    (Change Requests in Doc 222/89)

Decision:   The proposed changes were approved. New version: 3.4.2


Rec 02.82, version 3.4.2    (Change Requests in Doc 226/89)

Decision:   The proposed changes were approved. New version: 3.5.0


5.2     GSM 2

Status Report of GSM2, (Doc 194/89)

No comments were made to the report.

Doc 189/89 was discussed, and it was noted that the interrests of the
GSM customers might be better defended by promoting the use of the SIM
on-board aircraft, rather than the full handportable. However, there
is still a need to protect the GSM networks from the possible illegal
use of handportables. The UK delegation offered to draft a document on
this topic, which will at the same time ensure future evolutions of
the GSM network to provide micro-cell operation capability. This
document will be input to GSM2.

## 5.3    GSM 3

### Status Report of GSM3, (Doc 195/89)

Doc 195/89:    The problem mentionned in section 2.3.5, concerning the identity confidentiality feature was discussed and it was noted that section 12 of the SPS-SIG WPC report gives the full explanation of the problem. Mssrs Mazziotto, Simmons and van der Arend were asked to sort out the problem. The result of their discussion was that:

The "new" VLR shall interrogate the "old" VLR if both VLR's are part of the same PLMN, at least where the visiting subscribers home network requires the identity confidentiality service. (E.g. by comparing the visitor MCC and MNC with a look-up table in the VLR). In case the "old" VLR is in another PLMN (as indicated by the LAI) interrogation is advisable. However, further study is still required whether this interrogation attempt should be mandatory.

Doc 191/89:    Submitted for information only.

Doc 197/89:    The document is the report of the small group set up at the Munich meeting of GSM for identification of the changes between versions 3.1.0 and 3.2.0 of Rec 09.02. GSM agreed to the conclusions of the document.

Doc 248/89:    A major discussion took place on the maintenance of Rec 09.02. The following was agreed:

a  The ultimate responsibility for the approval of modifications to Rec 09.02 remains with GSM.

b  GSM will only consider those changes which are clearly marked to be agreed by SPS-SIG and sent officially to GSM from SPS-SIG.

c  Minor changes (mainly editorial) to Rec 09.02 can be done directly by the MAP editor. Such changes will be approved by correspondance within SPS-SIG prior to its submission to GSM.

The decision wheater a change is minor or not is taken by the PN rapporteur and the MAP editor together.

d  Annex 1 of Doc 248/89 was endorsed.

A small meeting of people from GSM1 and GSM3 was held, in order to prepare an input to the MOU listing the basic services which need to be implemented in the early versions of the MAP, and intended for international operation. The outcome of the meeting is contained in Doc 264/89, which was sent to MOU.

Rec 03.08, version 3.3.0 (Change Requests in Doc's 198/89 and 268/89)

Decision: The proposed changes were approved. New version: 3.3.1


Rec 04.05, version 3.1.2 (Change Requests in Doc 233/89)

Decision: The proposed changes were approved. New version: 3.1.3


Rec 04.06, version 3.3.0 (Change Requests in Doc 234/89)

Decision: The proposed changes were approved. New version: 3.3.1


Rec 04.08, version 3.3.1 (Change Requests in Doc's 235/89
                          and 274/89)

Decision: CR 66 was deleted. After some modifications to CR71 Rev 1
          all the proposed changes were approved. New version: 3.4.0


Rec 03.12, version 3.0.2 (Change Requests in Doc 199/89)

Decision: The proposed changes were approved. New version: 3.1.3


Rec 03.20, version 3.2.0 (Change Request in Doc 273/89)

Decision: The proposed changes were approved. New version: 3.2.1


Rec 08.59, version 2.0.0 (Covering Note in Doc 221/89)

Decision: The recommendation was approved. New version: 3.0.0


Rec 08.52, version 3.0.0 (Change Requests in Doc 236/89)

Decision: The proposed changes were approved. New version: 3.0.1


Rec 08.56, version 3.0.1 (Change Requests in Doc 237/89)

Decision: The proposed changes were approved. New version: 3.1.0


Rec 08.58, version 3.1.0 (Change Requests in Doc 238/89)

Decision: The proposed changes were approved. New version: 3.2.0


Rec 08.60, version 3.0.0 (Change Requests in Doc 239/89)

Decision: The proposed changes were approved. New version: 3.1.0

Rec 09.02, version 3.2.0 (Change Requests in Doc's 200/89 and 268/89)

Decision: The proposed changes were approved, noting that the up-date sheets contained in Doc 200/89 are still provisional, since they have not been considered by SPS-SIG.
New version: 3.3.0


Rec 08.06, version 3.4.1  (Change Requests in Doc 257/89)

Decision: The proposed changes were approved. New version: 3.4.2


5.4     GSM 4

Status Report of GSM4, (Doc 196/89)

The discussion focused on the annex of the report, which deals with the problems of implementing group III faximile. In this context, Doc 265/89 from FRG was also considered. This document advocates a solution based on non-transparent, real-time transmission mode, claiming that this solution gives better quality of service than the transparent mode alternative. Advocators of the transparent mode, claimed that although the transparent mode solution gives some degradation of the quality, the risk of disconnections is lower and that users prefer it that way. It was also questionned that the FRG proposal is feasible, given that flow control can not be applied to group III faximile.

Conclusion: Most organisations favoured a solution based on transparent transmission. However the FRG delegation was invited to develop their proposal on the non-transparent mode. Documents on this solution will be considered by GSM4. GSM will decide later if the solution can be considered viable. The question of classifications will also be taken up at a later occasion.


Rec 03.40, version 3.0.0
(Change Requests in Doc's 223, 225, 251 - 255, 262/89)

On Doc 223/89, GSM noted that implementation of the default alfabet is mandatory in all networks and in all MS's.

On Doc 251/89, it was noted that a switched connection can be used between the Service Center and the MSC. Any protocol can be used on this interface. The one in the annex of the recommendation is an example.

Decision: The proposed changes were approved. New version: 3.1.0


Rec 03.41, version 3.0.0  (Change Requests in Doc's 224/89 and 256/89)

Decision: The proposed changes were approved. New version: 3.1.0

**Report 03.48, version 2.0.0 (Doc 203/89)**

The purpose of this document, proposed by GSM4, is to give an explanation and clarification of the use and implementation of the Short Message Service Cell Broadcast. It is a non-mandatory document. No further work is required.

A short discussion arose on the status and purpose of an approved report. The chairman explained that a GSM report usually is established to cover subjects on which GSM wants to express its view, but which are not suitable to become a recommendation. In the form of a report the information can be passed to the outside world. It is a non-binding document, and by approving it GSM shows it has a consensus view on the issues covered by the report.

Decision: The report was approved. New version: 3.0.0

**Rec 04.21, version 3.1.0 (Change Requests in Doc 219/89)**

Decision: The proposed changes were approved. New version: 3.1.1

**Rec 07.01, version 3.4.1 (Change Requests in Doc 220/89)**

Decision: The proposed changes were approved. New version: 3.5.0

**Rec 09.06, version 1.0.3 (Doc 202/89)**

It was remarked with respect to section 6.1 that GSM has not taken a decision not to support service interworking. It was clarified that the text refers to the context of the recommendation only. In any case, GSM4 was requested to improve the clarity of the text.

**Rec 09.07 version 3.2.1 (Change Requests in Doc's 201/89 and 271/89)**

Decision: The proposed changes in change requests 3, 4 an 5 were approved. The recommendation needs to be complemented with additional text to reflect that per location up-dating MSRN allocation is allowed. This will be provided by GSM4 later. Change request number 5 may have an impact on the coding in Rec 04.08. This needs to be looked at by GSM3. See CR 04.08-29.

Regarding CR number 6 on ISDN originated calls, it was remarked that this change may be unnecessary and/or undesirable. A small ad-hoc group recommended that the issue be studied by GSM3. Hence, CR number 6 was not approved and further study is required by GSM3.

New version: 3.3.0

**5.5    SPS-SIG, (Doc 269/89)**

Decision:    GSM3 was asked to study and answer the document.

**5.6    SCEG**

**Status Report of SCEG, (Doc 263/89)**

GSM noted that the text in the minutes from the Munich meeting of GSM concerning a rapporteur with the Half Rate Group is not correct. The second and the third paragraphs of section "SCEG Status Report" (page 8) should be replaced by:

"Doc 173/89, on the organisation of the maintenance of the GSM 06-series recommendations, caused some discussion. It was decided to appoint a rapporteur who could collect CR's and organize the technical evaluation of them. Mr Stein Hansen (N) was appointed. It should be noted, however, that any work on half-rate traffic channels is to be handled by the future half-rate group under TM3, to be chaired by Dr Hans Jürgen Braun (FRG)."

**Rec 06.32, version 2.0.1    (Covering Note in Doc 245/89)**

Decision:    The recommendation was not approved. A statement from BT concerning the IPR on this recommendation is expected, and will be circulated to all delegates. If the statement is not considered unsatisfactory within 1 month after it has been circulated, the recommendation will be considered approved and will then reach version 3.0.0.

**Rec 06.01, version 2.0.1    (Covering Note in Doc 246/89)**

Decision:    The recommendation was approved. New version: 3.0.0

**Rec 06.31, version 3.0.0    (CR's in Doc's 259/89, 260/89 and 261/89)**

Decision:    The proposed changes were approved. New version: 3.0.1

**Rec 06.10, version 3.1.3    (Change Requests in Doc 258/89)**

The CR was slightly modified (Doc 267/89).

Decision:    The new proposed change was approved. New version: 3.2.0

**6    ELECTION OF VICE CHAIRMAN**

The chairman proposed that two vice chairmen should be elected. As candidates he proposed Mr Mallinder (UK) and Mr Ghillebaert (F), which were both elected by GSM with acclamation.

7        PN MATTERS

7.1      PN STATUS REPORT (Doc 192/89)

Mr Haase presented the PN status report. The following comments were given:

Regarding the PN "pseudo commercial activities" it was pointed out that the selling of the GSM recommendations is to cover the costs of copying and dispatch of recommendations. Furhtermore it was clarified that these procedures have been implemented in order to get the necessary resources so that the distribution of GSM approved recommdations can be discharged by the PN. In addition, a parallell was drawn with the CCITT which is also a non-profitable organisation and which sells the Blue Book, so why should not ETSI be able to sell recommendations. This should be brought to the attention of the ETSI TA.

The ETSI rapporteur on ISDN issues is Mr Mecrow, British Telecom. This was decided at the GSM Madrid meeting and the TA meeting in Nice has been informed. The chairman will remind ETSI about this. It was clarified that the task of the rapporteur on ISDN is to act as a liaison towards the relevant NA STC for alignement of the GSM recommendations with ISDN, in particular regarding numbering and routing and supplementary services. However, it was unclear to whom the rapporteur has to report and if there is a proper mandate.

Decision:    The chairman will check the status of the agreements reached in Madrid and if clarifications are required and eventually make the mandate of the rapporteur function available.

A question was raised on the impact of the forthcoming validation exercise on the 05-series. Mr Haase did not expect that the tests will result in a major revision of the 05-series since the 05-series is considered as rather stable, however, the number of change requests that could arise and the type of changes that may be required cannot be estimated now. He therefore requested delegates to ensure that the rapporteurs and prime editors can assist the PN when the validation results become available and the PN can not discharge this work with its full-time resource.

The meeting discussed the date for the next release and the extent of the release.

Decision:    It was agreed that an early release is necessary , at the latest in the beginning of September. However, considering the resourcing problem in the PN it should be restricted to only those recommendations changed during this meeting. It is not required that complete recommendations are released, and the use of up-date sheets and change control records according to the procedure proposed in Doc 266/89 was agreed. In some cases the issuing of clean typed change requests will be acceptable. The assistance of the prime editors/rapporteurs will be required, and the PN was requested to indicate in which areas this help is needed. On request from TMS, the PN was requested whenever referencing recommendations from third parties, to add the version number (in the text or in the control record).

The chairman mentioned that the MOU is looking at the possibilities to help the resourcing difficulties at the PN and he also invited industry to carry a part of the burden now since they are members of ETSI.

## Annex III

The last paragraph of the annex, concerning the question wheather NET 10/11 should cover also terminal adaptors, caused an extensive debate. The critical case is the fax adoptor. Several configurations are possible, both fully-integrated GSM fax mashines and plug-in types, using non-standardized interfaces. Some delegates did not wish to see non-standardized interfaces on the GSM mobiles. Others claimed that fax mashines could be type approved together with the mobile for which it is intended. Some claimed that a fax-interface could be specified and used for type approval, while others claimed that a test of the impact on the air-interface would be needed in any case. Since no conclusion was reached GSM deferred the decision to a later meeting.

## Doc 244/89

The document contained the list of the rapporteurs appointed to recommendations and an indication of the electronic form in which the recommendations are available. The delegates were asked to forward amendments directly to the PN.

7.2     11-SERIES REC's

**Rec 11.10, version 1.5.0    (Covering Note in Doc 208/89)**

Concerning the management of type approvals and mutual recognition of type approvals, GSM agreed to postpone its further activities in this area until the forthcoming EEC directive is published.

Section II.5.3.8 caused some discussion. GSM confirmed its earlier decision (ref Rec 02.05) that the GSM system should not offer the capability of two simultaneous calls, although the series-5 recommendations provides the means for $L_m + L_m$ connections. Nevertheless the GSM mobiles must be able to handle two parallell processes, eg an ordinary telephone call and the simultaneous reception of a short message.

**Rec 11.15, version 0.4.0    (Covering Note in Doc 209/89)**

The discussion focused on the scope of NET10 and NET11. (This subject is also addressed in annnex 3 of Doc 192/89). It was noted that neither of the two NETs is a stand-alone document. Other splits are possible than the one used in todays version, and they could also be combined into one.

A group of delegates worked out a proposal for a new split (Doc 276/89), which was adopted by GSM.

**Rec 11.40, version 1.5.2    (annexed to Rec 11.10)**

GSM was told that an improved version (1.5.3) exists.

**Rec 11.20, version 1.11.0    (Covering Note in Doc 210/89)**

GSM was told that this recommendation is now complete, except for those parts which concern O&M-functions. However there is a need for a detailed review of the recommendation together with the WP's.

**Rec 11.41 (reference document: Doc 192/89, annex 1)**

The 11-series group suggests that this recommendation is deleted due to resourcing problems. The operators however, do not wish to drop the recommendation. After some discussion which did not reach any conclusion, GSM decided to defer the further discussion on the problem till a later meeting.

7.3    12-SERIES REC's

GSM 12-Series Report (Doc 272/89)

No comments were made.


Rec 12.01, version 1.0.1    (Covering Note in Doc 211/89)

The comment was made that only documents which belong to the public domain should be referenced in the recommendation.


Rec 12.21, version 0.1.0    (Covering Note in Doc 218/89)

GSM noted that the list of elementary procedures on page 5 of the recomendation is not identical with the corresponding list for the A-interface, due to the different partitionning of resources for the two interfaces.


Rec 12.05, version 2.2.3    (Covering Note in Doc 213/89)

A few editorial amendments were agreed. Those are marked in version 2.2.4. In this context it was also noted that the definitions of Rec 01.04 need to be reviewed.

Decision:  The recommendation was approved. The involvement of the gateway MSC in the storage of call information requires further study. New version: 3.0.0


Rec 12.04, version 2.0.1    (Covering Note in Doc 212/89)

Decision:  The recommendation was approved. New version: 3.0.0


Rec 12.06, version 2.1.0    (Covering Note in Doc 214/89)

Decision:  The recommendation was approved. New version: 3.0.0


Rec 12.13, version 2.0.2    (Covering Note in Doc 215/89)

Decision:  The recommendation was approved. New version: 3.0.0


Rec 12.14, version 2.0.2    (Covering Note in Doc 216/89)

A new section was added to the recommendation, entitled "8.3 Testing of Recovery Procedures for the Location Registers". This section is for further study.

Decision:  The recommendation was approved. New version: 3.0.0


Rec 12.20, version 1.0.0    (Covering Note in Doc 217/89)

Substantially more material will be added to this recommendation before the October meeting of GSM, but it was not beleived that the recommendation would reach the stage of approval by October.

## 7.4 CONVERSION OF GSM-APPROVED REC'S INTO ETS's

**Doc 242/89**

This paper, which presents an initial proposal for the transfer of GSM recomendations to ETS's and other documents, caused some discussion regarding the amount of work needed as indicated by the PN, in particular on what basis this had been done. A revision of the document was issued during the meeting.

**Doc 188/89**

Delegates felt that the statement number E was too strong, far raching and not realistic. It was pointed out that a standard cannot be 100% complete and fully tested. The GSM recommendations do not reflect the implementation of a system and if the statement would have to be followed it would cause a delay in the introduction of the GSM system.

The meaning and use of the I-ETS was discussed in relation to the paper, and it was clarified that the validity of the I-ETS's is time limited to two years, after which they have to be transformed into ETS's or withdrawn.

It was also noted, with reference to statement D, that the speech codec cannot be tested from an external interface.

**Decision:** With these comments Doc 188/89 was accepted as the GSM view.

**Doc 247/89, Decision:** It was agreed that the document also represents the stand point of GSM.


## 8 ACTION PLAN

**Doc 243/89 (GSM Action Plan)**

No comments were made to this document.

**Doc 277/89 (September Partial Release)**

The list of recommendations will be supplemented with those recommendations which have been approved during the meeting.

There seemed not to be any problem with obtaining support from the rapporteurs with the editing of the recommendations.

Regarding the release of the MAP, GSM chosed alternative 2 as explained in the document. A covering note will explain that GSM has not yet seen this version of the MAP.

**Resources for the PN**

The meeting was told that Mr Thiger and Mr Simmons will leave the PN and that replacements are needed, preferably before October 1. Mr Lehnich offered to circulate this information within TMS.

9    ANY OTHER BUSINESS

Mobile forum

Mr Richter informed GSM about the intended establishment of a "mobile forum" by the Commision. This group will be open to everybody. Invitations to a meeting to discuss a mandate for this forum will be sent out in the next few days. The provisional date for this meeting is July 11, 1989. It is intended not to duplicate the work going on in other bodies.

GSM found that - for the moment -  it would be advisable to await the developments in the ETSI Strategic Review Committee which is just about to start up its activities.


Cooperation with CTIA

Doc's 111/89 and 250/89 were considered. Due to lack of information on the roles of CTIA and TIA, no decision was taken. Mr Lehnich informed GSM that the matter will also be discussed by ECTEL on June 9. The view of ECTEL will be conveyed to the GSM chairman. If ECTEL has no substantial objections, the chairman of GSM will get in touch with CTIA for a discussion concerning the possible liaison.


Vocabulary

The delegates were reminded of the need to check Rec 01.04 for consistency and accuracy with a view to have it approved in the next meeting.



10    REPORT OF THE MEETING

The report of the meeting was corrected and approved.



11    MEETING SCHEDULE

GSM 24      1989.10.02 - 06, Switzerland
GSM 25      1989.12.11 - 15



12    CLOSING OF THE MEETING

The chairman thanked the secretarial staff for the support offered to GSM during the meeting. The meeting was closed.

ETSI
TC/GSM
Ronneby, 5-9 June 1989


## List of Participants


| AUSTRIA | H. Paul | Siemens AG Austria |
| | E. Tallowitz | PTV-Austria |

| BELGIUM | B. Feuillen | RTT . |
| | J. Vosters | Bell Telephone |

| DENMARK | A. Foxman | Telecom Denmark |
| | E. Mortensen | Telecom Inspectorate |

| FINLAND | A. Hillner | Nokia Telecommunications |
| | P. Lukander | Omnitele |
| | M. Pasanen | P&T |

| FRANCE | M. Alvernhe | France Telecom |
| | B. Ghillebaert | " |
| | G. Mazziotto | " |
| | P. Michau | Thomson - CSF |
| | M.B. Pautet | France Telecom |
| | D. Verhulst | Alcatel Radiotelephone |
| | C. Vernhes | France Telecom |

| GERMANY (F.R.) | M. Grenzhäuser | Siemens AG |
| | H. Guenther | Philips (PKI) |
| | F. Hillebrand | Detecon |
| | H.P. Ketterling | Bosch |
| | F. Pernice | Detecon |

| GREECE | Y. Mouroulis | OTE |
| | Y. Vassilaras | " |

| IRELAND | J.P. Moran | Telecom Eireann |

| ITALY | B. Amici | Siemens Telecomunicazioni |
| | F. Grimaldi | SIP |
| | R. Lagomarsino | Marconi Italiana |
| | O. Pampolini | " |
| | F. Panaioli | SIP |
| | F. Valerio | FATME |
| | A. Vellucci | Ministero P&T |

| | | |
|---|---|---|
| NETHERLANDS | P. van der Arend | PTT Telecom |
| | D.S. Hoefsloot | " |
| NORWAY | P. Bliksrud | Norwegian Telecom |
| | S. Hansen | " |
| | J.E. Natvig | " |
| | B. Nilsen | " |
| PORTUGAL | O. Reis Luis | CTT |
| | M. Aguiar | TLP |
| SPAIN | F. Aparicio | Telefónica |
| | A. Crespo | Alcatel SESA |
| | J.A. Moreno | Telefónica |
| SWEDEN | T. Beijer | Televerket Radio |
| | P. Björndahl | Ericsson |
| | G. Fremin | Televerket Radio |
| | T. Haug | Televerket |
| | G. Sandegren | ERA |
| SWITZERLAND | R. Erb | PTT |
| UNITED KINGDOM | A. Athanasopulos | Orbitel |
| | D. Barnes | Cellnet |
| | E.W. Beddoes | Racal Vodaphone |
| | R. Black | Mercury |
| | C. Chandler | NEC (UK) |
| | A. Cox | Racal Vodaphone |
| | G. Crisp | GPT |
| | A.D. Hadden | DTI |
| | D. Hendon | " |
| | S. Kawaguchi | NEC (UK) |
| | B. Mallinder | British Telecom |
| | H.S. Minhas | " |
| | R. Moffett | Orbitel |
| | A. Watson | Motorola |
| | N.R. Winch | GEC Plessey |
| PN | F. Courau | |
| | E. Haase | |
| | B. Haarpaintner | |
| | R. Hagedorn | |
| | P. Simmons | |
| | H. Thiger | |
| | F. Courau | |
| CEC | M.A. Johnson | |
| | J. Richter | |
| ECTEL | H. Lehnich | |

## AGENDA

1   Opening of the meeting

2   Adoption of the agenda

3   Registration of documents

4   Report on ETSI activities

5   Status Reports of WB's

6   Election of vice chairman

7   PN Matters

8   Action Plan

9   Any other business

10  Report of the meeting

11  Meeting schedule

12  Closing of the meeting

ETSI
TC/GSM
Meeting No. 23
Ronneby, 5-9 June 1989

## List of Documents

| Doc. No. | Title | Source |
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| 188/89 | Review of GSM Document Structure | ECTEL |
| 189/89 | Concerning the use of GSM handportables on board aircraft | RES5 |
| 190/89 | Summary of Meeting TR45.3, Subcommittee Plenary "Digital Cellular Standards | TR45.3 |
| 191/89 | Response to liaisons from SPS/SIG, Aveiro meeting (ref. GSM 258/88) | WP 3 |
| 192/89 | PN Status report | PN |
| 193/89 | WP1 Status report | PN |
| 194/89 | WP2 Status report | PN |
| 195/89 | WP3 Status report | PN |
| 196/89 | WP4 Status report | PN |
| 197/89 | Report of meeting with editors of GSM 09.02 | PN/WP3 |
| 198/89 | Change requests to GSM 03.08 | WP3 |
| 199/89 | "              GSM 03.12 | WP3 |
| 200/89 | "              GSM 09.02 | PN |
| 201/89 | "              GSM 09.07 | WP4 |
| 202/89 | Covering note to GSM 09.06 v.1.0.3 | WP4 |
| 203/89 | Covering note to GSM report 03.48 v.2.0.0 | WP4 |
| 204/89 | Covering note to GSM report 02.08 v.2.0.0. | WP1 |
| 205/89 | Covering note to GSM 02.24 v.2.3.0 | WP1 |
| 206/89 | Covering note to GSM 11.11 v.2.0.0 | WP1 |
| 207/89 | Covering note to GSM 01.04 v.1.4.0 | PN |
| 208/89 | Covering note to GSM 11.10 v.1.5.0 | PN |

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| 209/89 | Covering note to GSM 11.15 v.0.4.0 | PN |
| 210/89 | Covering note to GSM 11.20 v.1.11.1 | PN |
| 211/89 | Covering note to GSM 12.01 v.1.0.1 | OMEG |
| 212/89 | Covering note to GSM 12.04 v.2.0.1 | OMEG |
| 213/89 | Covering note to GSM 12.05 v.2.3.0 | OMEG |
| 214/89 | Covering note to GSM 12.06 v.2.0.2 | OMEG |
| 215/89 | Covering note to GSM 12.13 v.2.0.2 | OMEG |
| 216/89 | Covering note to GSM 12.14 v.2.0.2 | OMEG |
| 217/89 | Covering note to GSM 12.20 v.1.0.0 | OMEG |
| 218/89 | Covering note to GSM 12.21 v.0.1.0 | OMEG |
| 219/89 | Change request to GSM 04.21 v.3.1.0 | WP4 |
| 220/89 | Change request to GSM 07.01 v.3.4.1 | WP4 |
| 221/89 | Covering note to GSM 08.59 v.2.0.0 | WP3 |
| 222/89 | Change request to GSM 02.04 v.3.4.1 | WP1 |
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| 224/89 | Change request to GSM 03.41 v.3.0.0 | WP4 |
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| 226/89 | Change requests to GSM 02.82 v.3.4.1 | WP1 |
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| 228/89 | Covering note to GSM 02.83 v.2.0.0 | PN |
| 229/89 | Covering note to GSM 02.84 v.2.0.0 | PN |
| 230/89 | Covering note to GSM 02.85 v.2.0.0 | PN |
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| 246/89 | Covering note to GSM 06.01 v.2.0.1 | SCEG/DTX |
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