

Source: GSM

DRAFT 1980-02-17
GSM

Date: February 21, 1986

Title: GSM Action Plan

Abstract: This document contains a complete list of the planned GSM result documents. They consist of GSM recommendations and reports. Together with each result document the working party responsible for its provision is mentioned. In addition, deadlines (target/result) concerning the various stages that a document has to pass through (first draft, final draft, GSM approved draft) are indicated. This document is to facilitate the coordination of the work performed by all working groups which are concerned with the standardization of the GSM system. If necessary, it will be updated.

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- 4 Second part of the Action Plan: production of GSM reports

Language of original: English

Number of pages in document:

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1 General

1.1 Stages in the development of a GSM result document

Preliminary draft: this document is provided when the work is taken up, it is a first collection of ideas, structural concepts etc. A preliminary draft does not have to be submitted to the GSM.

First draft: in this document important parts (e.g. more than 50 per cent) have been completed. There are, however, still points left which require further study and whole chapters are still to be included. But a first overall impression of the essential parts is provided. Therefore it is submitted to the GSM for a first examination and can serve as a basis for the work of other working parties. The development of a first draft is continued step by step.

Final draft: as soon as the responsible working party finds that the development of a document has been completed this final draft is submitted to the GSM for approval. It is possible that due to a decision of the GSM a revision will be required.

1.2 Working parties in charge of the production of a document

1.2.1 Working parties involved

The following working parties participate in the production of result documents for the GSM system:

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| Name | Abbreviation used in this document |
|--|------------------------------------|
| CEPT GSM Working Party 1 | WP 1 |
| CEPT GSM Working Party 2 | WP 2 |
| CEPT GSM Working Party 3 | WP 3 |
| CEPT GSM Permanent Nucleus | PN |
| CEPT GSM/TD Joint Experts Group on Security | EGS |
| Joint CEPT TR3/COST 207 Experts Group on Speech Coding | EGSC |
| COST 207 Working Group on Propagation | COST WG Propagation |
| COST 207 Working Group on Modulation | COST WG Modulation |
| CEPT | STI/SIG |

1.2.2 Responsibilities of the aforementioned working parties

In the following, each result document is mentioned together with the working party which is responsible for the production of the document. If more than one working party is involved, the prime responsibility is assigned to one of them.

1.2.3 Participation of other working parties

If one of the above working parties is of the opinion that the participation of additional working parties is required, it has to request the provision of the necessary comments (if applicable via GSM). Activities of this kind are not coordinated through the Action Plan but have to be carried out by the relevant working party.

2 General description of the Action Plan

3 First part of the Action Plan: production of GSM recommendations

- 3.1 GSM 00 Preamble and GSM 01 series of recommendations: General
- 3.2 GSM 02 series of recommendations: Service aspects
- 3.3 GSM 03 series of recommendations: Network aspects
- 3.4 GSM 03 series of recommendations: Network aspects (continued)
- 3.5 GSM 04 series of recommendations: MS-BS interface and protocols
- 3.6 GSM 05 series of recommendations: Physical layer on the
radio path
- 3.7 GSM 06 series of recommendations: Speech coding specification
- 3.8 GSM 07 series of recommendations: Terminal adaptors for
mobile stations
- 3.9 GSM 08 series of recommendations: BS-MSC interface
- 3.10 GSM 09 series of recommendations: Network interworking
- 3.11 GSM 10 series of recommendations: Service interworking
- 3.12 GSM 11 series of recommendations: Equipment Specification
and type approval Specification
- 3.13 GSM 12 series of recommendations: Operation and maintenance

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1) GSM 00 Preamble and GSM 01 series of recommendations: General

| no. er SM | Title of Recommendation | Responsible working party | | Completion dates | | | | | | Comments | |
|-----------------|--|---------------------------|-------------------|------------------|--------|-------------|--------|--------------|--------|----------|---|
| | | prime | other | first draft | | final draft | | GSM approval | | | |
| | | | | target | result | target | result | target | result | | |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | | |
| 00 | Preamble | WP 1 | | 2.86 | 2.86 | 12.86 | | | | | WP 1 output mentioned in col. 6 can be found in GSM doc. 90/85, 123/85, 128/85, 19/86 |
| 01 | General structure of GSM recommendations | WP 1 | WP 2, WP 3 SEG | 12.85 | 12.85 | 12.86 | | | | | |
| 02 | General description of a GSM PLMN | WP 1 | WP 2, WP 3 | 12.86 | | 6.87 | | | | | |
| 03 | Other recommendations applicable to a GSM PLMN | WP 1 | WP 2, WP 3 | | | 12.87 | | | | | |
| 04 | Vocabulary | WP 1 | | 12.85 | 12.85 | 6.87 | | | | | |
| 05 | General modelling method | WP 1 | | 12.85 | 12.85 | 6.87 | | | | | |
| 06 | Service implementation phases and evolution | WP 1 | WP 2, WP 3 | 2.86 | 2.86 | 6.87 | | | | | |

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2) GSM 02 series of recommendations: Service aspects

| Number SM | Title of Recommendation | Responsible working party | | Completion dates | | | | | | Comments | |
|--------------|--|---------------------------|-------|------------------|--------|-------------|--------|--------------|--------|----------|--|
| | | prime | other | first draft | | final draft | | GSM approval | | | |
| | | | | target | result | target | result | target | result | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| .01 | Principles of telecommunication services | WP 1 | | 12.85 | 12.85 | 12.86 | | | | | |
| .02 | Bearer services | WP 1 | | 9.85 | 9.85 | 9.87 | | 12.87 | | | |
| .03 | Teleservices | WP 1 | | 9.85 | 9.85 | 9.87 | | 12.87 | | | |
| .04 | Supplementary services | WP 1 | | 10.85 | 10.85 | 9.87 | | 12.87 | | | |
| .05 | Simultaneous and alternate use of services | WP 1 | | 12.85 | 12.85 | 9.87 | | 12.87 | | | |
| .06 | Types of mobile stations | WP 1 | | 2.86 | 2.86 | 6.87 | | | | | |
| .07 | Mobile station features | WP 1 | | 2.86 | 2.86 | 6.87 | | | | | |
| .08 | Quality of service | WP 1 | | 9.86 | | 9.87 | | | | | |
| .09 | Security aspects | WP 1 | EGS | 9.86 | | 6.87 | | | | | |
| .10 | Provision of telecommunication services | WP 1 | | 9.86 | | 9.87 | | | | | |
| .11 | Service accessibility | WP 1 | | 2.86 | 2.86 | 9.86 | | | | | |
| .12 | Licensing | WP 1 | | 6.86 | | 6.87 | | | | | |
| .13 | Subscription | WP 1 | | 6.86 | | 6.87 | | | | | |
| .14 | Service directory | WP 1 | | 6.86 | 2.86 | 6.87 | | | | | |
| .15 | Circulation of mobile stations | WP 1 | | 6.86 | | 6.87 | | | | | |
| .20 | Tariffing principles | WP 1 | | 9.86 | | 6.87 | | | | | |
| .21 | International accounting | WP 1 | | 9.86 | | 6.87 | | | | | |

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) GSM 03 series of recommendations: Network aspects

| m- er SM | Title of Recommendation | Responsible working party | | Completion dates | | | | | | Comments |
|----------------|---|---------------------------|-------|------------------|--------|-------------|--------|--------------|--------|----------|
| | | | | first draft | | final draft | | GSM approval | | |
| | | prime | other | target | result | target | result | target | result | |
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 01 | Network functions | WP 3 | | | | 6.87 | | | | |
| 02 | Network architecture | WP 3 | | | | 6.87 | | | | |
| 03 | Numbering, addressing, identification | WP 3 | | | | 6.86 | | | | |
| 04 | Routing of call to and from mobile stations | WP 3 | | | | 6.86 | | | | |
| 05 | Technical performance objectives | WP 3 | | | | | | | | |
| 06 | Availability and reliability objectives | WP 3 | | | | | | | | |
| 07 | Restoration procedures | WP 3 | | | | | | | | |
| 08 | Organization of subscriber data | WP 3 | | | | | | | | |
| 10 | GSM PLMN network connection types | WP 3 | WP 2 | | | | | | | |
| 20 | Data confidentiality | EGS | | 12.86 | | 6.87 | | | | |
| 21 | Authentication | EGS | | 12.86 | | 6.87 | | | | |
| 30 | Radio network planning criteria | WP 2 | | 6.87 | | 6.88 | | | | |

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5) GSM 04 series of recommendations: MS-BS interface and protocols

| no. r M | Title of Recommendation | Responsible working party | | Completion dates | | | | | | Comments |
|---------------|--|---------------------------|-------|------------------|--------|-------------|--------|--------------|--------|----------|
| | | | | first draft | | final draft | | GSM approval | | |
| | | prime | other | target | result | target | result | target | result | |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| 01 | General aspects | WP 3 | | | | 9.86 | | | | |
| 02 | Reference configurations | WP 3 | | | | 9.86 | | | | |
| 03 | Channel structures and access capabilities | WP 3 | | 12.86 | | 12.87 | | | | |
| 04 | Layer 1 - general requirements | WP 3 | WP 2 | 12.86 | | 12.87 | | | | |
| 05 | Data link layer - general aspects | WP 3 | | | | 12.87 | | | | |
| 06 | Data link layer specification | WP 3 | | 8.86 | | 12.87 | | | | |
| 07 | Layer 3 - general aspects | WP 3 | | 8.86 | | 12.87 | | | | |
| 08 | Layer 3 - specifications | WP 3 | | 12.86 | | 12.87 | | | | |

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6) GSM 05 series of recommendations: Physical layer on the radio path

| Number GSM | Title of Recommendation | Responsible working party | | Completion dates | | | | | | Comments | |
|---------------|--|---------------------------|-------|------------------|--------|-------------|--------|--------------|--------|----------|--|
| | | | | first draft | | final draft | | GSM approval | | | |
| | | prime | other | target | result | target | result | target | result | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| 5.01 | General | WP 2 | | | | | 6.87 | | | | The dates for GSM 05 series recommendation depends on the GSM decision on the radio subsystem selection (approval of report GSM 05-04) |
| 5.02 | Multiplexing and multiple access | WP 2 | | | | | 6.87 | | | | |
| 5.03 | Channel coding | WP 2 | | | | | 6.87 | | | | |
| 5.04 | Modulation and demodulation | WP 2 | | | | | 6.87 | | | | |
| 5.05 | Transmission and reception | WP 2 | | | | | 6.87 | | | | |
| 5.06 | Power control mechanisms | WP 2 | | | | | 9.87 | | | | |
| 5.07 | Radio subsystem organization and performance | WP 2 | | | | | 9.87 | | | | |
| 5.08 | Hand-over criteria | WP 2 | | | | | 9.87 | | | | |

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7) GSM 06 series of recommendations: Speech coding specification

| Title of Recommendation | Responsible working party | | Completion dates | | | | | | Comments | |
|-------------------------------|---------------------------|-------|------------------|--------|-------------|--------|--------------|--------|----------|--|
| | | | first draft | | final draft | | GSM approval | | | |
| | prime | other | target | result | target | result | target | result | | |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| 6 Speech coding specification | WP 2 | | | | | 11.87 | | | | |

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3) GSM 07 series of recommendations: Terminal adaptors for mobile stations

| Number GSM | Title of Recommendation | Responsible working party | | Completion dates | | | | | | Comments |
|---------------|---|---------------------------|-------|------------------|--------|-------------|--------|--------------|--------|----------|
| | | | | first draft | | final draft | | GSM approval | | |
| | | prime | other | target | result | target | result | target | result | |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| 01 | General | WP 3 | | 9.86 | | | | | | |
| 02 | Interface between MSCU and external TE and TA | WP 3 | | 12.86 | | 6.87 | | | | |
| 03 | Adaptors for circuit mode data services | WP 3 | | 12.86 | | 10.87 | | | | |
| 04 | Adaptors for packet mode data services | WP 3 | | 12.86 | | 10.87 | | | | |
| 05 | Adaptors for voice-band data services | WP 3 | | | | | | | | |

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9) GSM 08 series of recommendations: BS-MSC interface

| Num- ber GSM | Title of Recommendation | Responsible working party | | Completion dates | | | | | | Comments | |
|--------------------|-------------------------|------------------------------|-------|------------------|--------|--------------------|--------|--------------|--------|----------|--|
| | | | | first draft | | final draft | | GSM approval | | | |
| | | prime | other | target | result | target | result | target | result | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| 8.01 | General aspects | WP 3 | | | | end 87/ beg. 88 | | | | | |

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10) GSM 09 series of recommendations: Network interworking

| Number GSM | Title of Recommendation | Responsible working party | | Completion dates | | | | | | Comments |
|---------------|---|---------------------------|-------|------------------|--------|-------------|--------|--------------|--------|----------|
| | | | | first draft | | final draft | | GSM approval | | |
| | | prime | other | target | result | target | result | target | result | |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| .01 | General interworking requirements | WP 3 | | 12.86 | | 12.86 | | | | |
| .02 | Mobile user part specification | STI/SIG | WP 3 | | | 12.87 | | | | |
| .03 | Interworking with PSTN/ISDN | WP 3 | | 12.86 | | | | | | |
| .04 | Interworking with CSPDN | WP 3 | | | | | | | | |
| .05 | Interworking with PSPDN | WP 3 | | | | | | | | |
| .06 | Technical realization of supplementary services | WP 3 | | | | | | | | |

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.11) GSM 10 series of recommendations: Service interworking

| Number GSM | Title of Recommendation | Responsible working party | | Completion dates | | | | | | Comments | |
|---------------|-------------------------|---------------------------|-------|------------------|--------|-------------|--------|--------------|--------|----------|--|
| | | | | first draft | | final draft | | GSM approval | | | |
| | | prime | other | target | result | target | result | target | result | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| 10 | Service interworking | WP 3 | WP 1 | | | | | | | | |

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12) GSM 11 series of recommendation: Equipment specification and type approval specification

| Number GSM | Title of Recommendation | Responsible working party | | Completion dates | | | | | | Comments | |
|------------|--|---------------------------|------------------------|------------------|--------|-------------|--------|--------------|--------|----------|--|
| | | | | first draft | | final draft | | GSM approval | | | |
| | | prime | other | target | result | target | result | target | result | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| 1.01 | Principles of type approval procedure | WP 1 | | | | | | | | | |
| 1.10 | Mobile station type approval specification | PN | WP 2, WP 3, R 19 | | | | | | | | |
| 1.20 | Base station (basic technical specification) | PN | WP 2, WP 3 | | | | | | | | |
| 1.30 | Mobile services switching center (including location register) (basic technical specification) | PN | WP 3 | | | | | | | | |
| 1.40 | System Simulator | PN | WP 2, WP 3 | | | | | | | | |

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13) GSM 12 series of recommendations: Operation and maintenance

| Number GSM | Title of Recommendation | Responsible working party | | Completion dates | | | | | | Comments |
|---------------|---------------------------|---------------------------|-------|------------------|--------|-------------|--------|--------------|--------|----------|
| | | | | first draft | | final draft | | GSM approval | | |
| | | prime | other | target | result | target | result | target | result | |
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 2 | Operation and maintenance | ? | | | | | | | | |

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4 Second part of the Action Plan: production of GSM reports

4.1 General

Reports are result documents of the GSM which are not supposed to become parts of GSM recommendations. They deal with the whole range of aspects of a specific subject. They are not only of importance for one or several meetings but have a long-term significance.

In paragraph 4.2 all reports envisaged are listed. The numbers of the reports consist of the number of the GSM series of recommendations which the report is related to and consecutive numbers.

2) Reports related to GSM series of recommendations

| Number GSM | Title of report | Responsible working party | | Completion dates | | | | | | Comments |
|---------------|---|-----------------------------|-------|------------------|--------|-------------|--------|--------------|--------|---------------|
| | | prime | other | first draft | | final draft | | GSM approval | | |
| | | | | target | result | target | result | target | result | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| -01 | Basic requirements for the GSM system | GSM | | mid 85 | mid 85 | 2.86 | 2.86 | 2.86 | 2.86 | doc. GSM 7/86 |
| -02 | Introduction of the GSM system in the different countries | PN | | | | mid 88 | | | | |
| -01 | Signalling traffic dimensioning | WP 3 | | | | beg. 87 | | | | |
| -02 | Security concept | EGS | | | | end 86 | | | | |
| -01 | Radio subsystem comparison method (including traffic model) | WP 2 | | | | 6.86 | | 10.86 | | |
| -02 | Propagation (including wideband simulator) | COST WG Pro- pagation | | | | mid 86 | | | | |
| -03 | Modulation | COST WG Modulation | | | | end 86 | | | | |
| -04 | Results of radio subsystems comparison | WP 2 | | | | beg. 87 | | beg. 87 | | |
| -01 | Speech coding algorithms comparison method | EGSC | | | | mid 86 | | | | |
| -02 | result of speech coding algorithms comparison | EGSC | | | | beg. 87 | | | | |

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