

Technical Specification Group, Radio Access Network

**TSGR#5(99)489**

Meeting #5, Korea, 6 - 8 October 1999

**Source:** PCG Secretary

**Title:** 2nd 3GPP PCG Meeting Draft summary minutes

**Document for:** Information

**Agenda Item:**

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**Source:** PCG Secretary

**Title:** **Draft** summary minutes, decisions and actions from 2nd 3GPP PCG Meeting, Sophia Antipolis, France, 6-7 July 1999

**Agenda item:** all

**Document for:**

Decision	X
Discussion	
Information	

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## **1 Opening of Meeting and Chairman's remarks**

Mr Karl Heinz Rosenbrock (Chairman) opened the meeting and welcomed the participants to the 2<sup>nd</sup> PCG meeting. The list of participants is given at **Annex F**.

## **2 Approval of Agenda**

The agenda was presented, modified and approved as contained in **Annex D**. The timetable was also approved.

## **3 Approval of Report of PCG#1**

The report of PCG#1, which had been revised to take into account the comments received, was approved without further amendment [PCG1(99)23r1].

<b>Decision PCG2/1:</b> Report of PCG#1 approved [PCG1(99)23r1].
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### **3.1 Review of Actions**

The status of actions arising from PCG#1 were reviewed, and the list of actions which remain ongoing can be found at **Annex C**.

## **4 Results of OP Meeting, Korea, 27-28 May 1999**

The draft report of the Organizational Partners meeting which took place in Seoul, 27-28 May, was presented for information [PCG2(99)18]. [Note: a revised draft will be prepared to incorporate comments received].

## **5 Management Reports from TSGs (including Revised Terms of Reference)**

### **5.1 TSG SA**

The TSG SA Chairman presented an activity report for TSG SA [PCG2(99)31]. Many of the issues raised within the report were covered under specific agenda items of this meeting and the discussion of them are recorded there. Those issues not covered under specific agenda items are recorded below:

A new work item had been raised for UMTS interworking with ANSI-41 networks. It was clarified that this work had already started and that the first results were expected to be presented to the next meeting of SA1 which would take place shortly. The work item included a feasibility study on the interworking of both services a protocols.

The PCG noted the delay that may occur in relation to the drafting of telecom management specifications due to delays in the core specifications. The GSM Association reported that they will contribute in the area of telecom management.

The GSM Association also noted the that a large number of security issues needed to be solved for 3G and that TSG SA would list these issues and prioritize them. The GSM Association reported that they would provide input on the prioritization of these issues.

Based on input from TSG T, TSG SA had proposed three alternatives for the registration of USIM applications; either that one of the 3GPP Organizational Partners undertakes this role on behalf of all the Partners, that 3GPP in its own right applies for a Registered Application Provide Identifier (RID) and undertakes the role, or that each Organizational Partner undertakes the role individually. During the discussion that followed it emerged that an RID could be sought by an entity, even if that entity is not legally established and thus 3GPP could undertake this role in its own right. It was agreed that 3GPP should request an RID in its own right and that ETSI should maintain the list of registrations as a 3GPP Organizational Partner.

**Decision PCG2/2:** 3GPP to seek a Registered Application Provider Identity (RID) in order that USIM Application Identifiers (AIDs) may be allocated.

**Decision PCG2/3:** ETSI will maintain the register of USIM Application Identifiers on behalf of 3GPP.

**Action PCG2/1:** Secretary to seek Registered Application Provider Identity (RID) for 3GPP.

The PCG noted the discussions that had taken place in the TSGs concerning the global type approval of 3GPP terminals and the conclusion that TSG T should define the super set of relevant test from which regulators could select regional sets as appropriate. It was also noted that whilst regulatory issues were outside of the scope of 3GPP there may be a role for the Market Representation Partners to perform.

## **5.2 TSG CN**

The TSG CN Chairman presented an activity report for TSG CN [PCG2(99)32]. The transfer of work from TC SMG to TSG CN had now been completed and all meeting of the two groups were now held jointly. The lack of support from the 3GPP Support Team was still a matter for concern although recent developments were likely to improve that situation. The contents of Release 99 were still not clear and as such the core network activities that needed to be completed before the end of 1999 were also not clear, but actions were ongoing to solve this issue. The debate within the TSGs concerning the need for Gateway Location Registers (GLRs) had been difficult but a compromise solution had now been found.

## **5.3 TSG RAN**

The TSG RAN Chairman presented an activity report for TSG RAN [PCG2(99)33]. The deadline for contributions to ITU-R of IMT 2000 radio interface specifications had been set as October 1999 and this had placed considerable pressure on TSG RAN. However, it was expected that this deadline would be respected. The ITU had also indicated that they wished to refer to the specifications produced by 3GPP rather than to fully incorporate the texts and this matter had been raised to PCG for resolution (see section 11.2 of this report). The proposals stemming from the Operators Harmonization Group had been dealt with by TSG RAN and the results of that work are recorded under section 7 of this report.

TSG RAN had debated whether the Iur protocol architecture should be CTP/IP based or SS7 based and after some discussion they had agreed to a compromise solution where both options will be specified.

Some concern was expressed on the development of Time Division Duplex specifications within TSG RAN and in particular the need to harmonize the approach adopted by Europe and that proposed by China. Progress in this area was hampered by a lack of participation from China in TSG RAN and attempts would be made to encourage them to be more active.

TSG RAN had revised their Terms of Reference in accordance with the request from the recent meeting of the Organizational Partners and these were approved by the PCG [PCG2(99)12].

**Decision PCG2/4:** Revised Terms of Reference for TSG RAN approved [PCG2(99)12].

## **5.4 TSG T**

The TSG T Chairman presented an activity report for TSG T [PCG2(99)34]. There were no matters requiring particular attention which were not otherwise raised under specific Agenda items

A number of funding requests had been made for the production of test specifications, and the possibility for this work to commence before the base specifications had been completed was

discussed. It was noted that this may result in some delay in producing the test specifications.

## **6 Technical Co-ordination and Work Programme Management**

A proposed structure and numbering plan for 3GPP specifications had been prepared by the 3GPP Support Team, based on the system used by ETSI SMG, and this was approved by PCG [PCG2(99)04].

**Decision PCG2/5:** Structure and numbering plan for 3GPP specifications approved [PCG2(99)04].

### **6.1 Current status of 3GPP Activities**

The PCG noted the 3GPP Status List presented by Mr Doig which indicated the precise status of all activities within the project [PCG2(99)21]. It was noted that the name of the related editor was missing in many cases and these would be provided by the Chairmen in time for the next release. It was intended that the Status List would be updated following each meeting of TSG SA and would be posted on the 3GPP web site.

Mr Doig also presented the Global Roadmap which showed both SMG and 3GPP work items and how they related to the annual specification releases [PCG2(99)22].

### **6.2 Content and Timescale for Release'99**

A proposal had been prepared by the 3GPP Support Team for a classification of Release 99 work items into those which were relevant to GSM only, those which were relevant to 3G only, and those which were common to both [PCG2(99)23]. The classification of the work items in this way gave a system view of the work to be performed and whilst further refinement was necessary it represented a good starting point.

A further proposal had been prepared based on the work described above, that the responsibility for all 2G specifications which would need to be modified in some way or other for use within the 3G system should be transferred to 3GPP [PCG2(99)26]. This proposed method of working would prevent duplication of effort and unnecessary divergence between 2G and 3G specifications. Those specifications which were intended solely for use within 2G systems would remain the responsibility of ETSI TC SMG. The PCG endorsed this proposal and accepted the responsibility for this work.

**Decision PCG2/6:** 3GPP accepted responsibility for all 2G work items which needed to be modified for use within 3G systems [PCG2(99)26].

### **6.3 Content and Timescale for Release'00**

The TSG SA Chairman confirmed the intention that the target date for Release 2000 should be December 2000.

## **7 Results of Operators Harmonization Group / CDG and impact on 3GPP**

Mrs Tonelli presented the results which had been reached by the Operators Harmonization Group, which had led to the proposal that there should be one standard for 3<sup>rd</sup> Generation Mobile Systems with three modes of operation; Direct Sequence mode, Multi Carrier mode, and Time Division Duplex mode [PCG2(99)25]. It should be possible to connect to the GSM Map and ANSI 41 evolved core networks using either of the three modes. The means to achieve this single standard was by providing hooks within the specifications currently being produced by the two Partnership Projects such that they may be extended with time to enable interworking. Mrs Tonelli also explained that the Operators Harmonization Group had now completed their work but had formed a Transition Team to take care of any remaining tasks and to assist in the production of the necessary specifications by the two Partnership Projects.

3GPP had received a copy of a liaison statement sent to the Operators Harmonization Group from

ITU-R where praise had been offered for the results that they had achieved and where the Partnership Projects were urged to take the results into account [PCG2(99)27].

TSG RAN had already considered the results achieved by the Operators Harmonization Group during their recent meeting in Miami, and technical proposals had been prepared and subsequently endorsed by TSG SA which would bring the 3GPP work fully in line with the OHG results [PCG2(99)15]. This included changes to the chip rate and pilot structure. It was noted that alignment had already been achieved for synchronous/asynchronous operation. In order to accelerate the work it was proposed that 3GPP should hold a workshop on 24-26 August to which 3GPP2, UWCC and TIA/TR45 experts should be invited in order to identify the necessary contents of the hooks and extensions required for UTRA specifications to enable interworking with an ANSI-41 based core network. The proposal to hold such a workshop was endorsed by PCG.

**Decision PCG2/7:** Proposal to hold a workshop on UTRA hooks and extensions endorsed by PCG, to which 3GPP2, UWCC and TIA/TR45 experts should be invited [PCG2(99)15].

**Action PCG2/2:** Secretary to prepare formal invitations to the workshop for 3GPP2, UWCC and TIA/TR45 experts.

The PCG recorded a vote of thanks for the good results achieved by the Operators Harmonization Group.

TTC had proposed some administrative and procedural actions which could be used during the preparation of the hooks and extensions which covered the aspects of joint working with 3GPP2. After a short discussion it was agreed that it was premature to enter into this level of detail at this stage, especially since the OHG results had not yet been discussed by 3GPP2 [PCG2(99)37].

The PCG noted a Press Release concerning the Operator Harmonization Group results which had been made by the Federal Communications Commission [PCG2(99)35].

Correspondence had been received from the CDMA Development Group which urged harmonization of 3G CDMA modes [PCG2(99)29]. It was agreed that the technical proposals agreed by TSG RAN and TSG SA had achieved the required harmonization.

**Action PCG2/3:** Secretary to reply to the correspondence received from the CDMA Development Group informing them of the CDMA harmonization that had now been achieved.

In addition to the technical results achieved by the Operators Harmonization Group, there was an additional recommendation that the two Partnership Projects should consider merging. ETSI had proposed that an ad hoc group should be created to consider the benefits and drawbacks of such a merger but after some discussion it was agreed to place full emphasis on achieving the technical results on time, and that any discussion concerning a merger should be deferred until a later date.

The 3GPP TSG Chairmen had been invited by the OHG Transition Team to participate in a meeting with the 3GPP2 technical leadership but taking into account the recent results achieved within 3GPP a meeting of this type was not considered necessary.

**Action PCG2/4:** Secretary to reply to the OHG Transition Team representatives thanking them for their invitation but informing them that a meeting of the Partnership Project technical leadership was not considered necessary at this time.

## **8 Development of Ciphering Algorithm for 3G**

Prof. Walker gave a presentation on the proposal to develop a ciphering algorithm for 3<sup>rd</sup> Generation mobile services [PCG2(99)41]. The presentation explained the need to produce a more modern algorithm than those currently deployed in 2G systems and that it should be developed by a more open

process. The process to be followed had been clearly documented by TSG SA together with the proposal that 330 kEuro would be required to undertake the work [PCG2(99)6&7]. It was further proposed that ETSI SAGE was the group best placed to design the algorithm and that additional participation by security experts from other Organizational Partners should be encouraged. The inclusion of experts from other Partners would assist in ensuring that the resulting algorithm would be exportable worldwide. The PCG endorsed the method for developing the ciphering algorithm as proposed by TSG SA.

**Decision PCG2/8:** The TSG SA proposed method for developing a ciphering algorithm for 3G endorsed by PCG [PCG2(99)6].

Having agreed the method by which the algorithm would be designed, the PCG discussed the funding of the work and ownership of results. The GSM Association explained the method by which they had managed the licensing of the GSM algorithm and proposed that with the experience they had already obtained they would be ideally suited to manage the licensing of the 3G algorithm. The Association also proposed that, subject to formal approval, they would be willing to fund the design work.

ETSI reported that they had already identified the funding necessary to design the algorithm and that they were prepared to cover the full design cost. The existing activities undertaken by ETSI for the distribution of algorithms for other telecommunication applications was also explained, together with the proposal that ETSI too was eminently suited to undertake this role for 3G.

After some discussion, and a full exchange of views, the Organizational Partners concluded that they would jointly fund the design of the algorithm and that they would jointly assume ownership of the results. Since some time would be required for the Organizational Partners to provide the funding, ETSI offered to underwrite the cost which would enable the technical work to start immediately. This conclusion was supported by the UMTS Forum and the GSA, but disappointment was expressed by the GSM Association who felt that their views had not been fully taken into account during this discussion.

**Decision PCG2/9:** The 3GPP Organizational Partners will jointly fund the design of a ciphering algorithm for 3G and will jointly own the results.

It was noted that the licensing conditions against which the algorithm would be issued were of extreme importance to Operators and that detailed work would be required to set such conditions. It was agreed that a PCG ad hoc group should be established specifically to take care of this work, under the chairmanship of Dr Bailey (T1), and that each Partner should nominate one person to take part.

**Decision PCG2/10:** PCG ad hoc group created under the chairmanship of Dr Bailey (T1) to draft the license conditions to be used for the 3G ciphering algorithm.

**Action PCG2/5:** Dr Bailey to establish the PCG ad hoc group to draft the license conditions for the 3G ciphering algorithm.

## **9 3GPP Support Team Progress Report**

The Secretary presented a progress report on the activities of the Mobile Competence Centre [PCG2(99)28]. The report gave details of the current employment situation within MCC and the level of funding which had been provided by ETSI for 1999. A first forecast had also been made that for the year 2000 approximately 5 MEuro would be required to maintain the support services requested by the technical groups and that approximately 80% of that cost would be directly attributable to 3GPP. This forecast took into account the infrastructure and overhead costs for MCC but did not include the cost of hosting meetings.

The GSM Association announced that they had considered the requirements for MCC and that they were considering the possibility of providing one expert on a voluntary basis.

Some concerns were raised on the lack of resources for supporting TSG RAN and how that compared to the level of support being provided to other TSGs. The proposal was also made that the level of support could be more equally applied by shifting some resources to TSG RAN. The Secretary confirmed his optimism that all TSGs would receive the same level of support within a few months but remained open to discuss any proposals as to how the existing resources could be better used.

PCG noted some suggestions made by ARIB concerning the use of MCC resources and the possibility of outsourcing some of the secretarial tasks for the Organizational Partners to perform locally [PCG2(99)36]. The Secretary confirmed that he would take these suggestions into account.

### **9.1 Revised Resource Requirements from TSG Chairmen**

Three additional requests for funding had been received from the TSG Chairmen (in addition to the funding request for the ciphering algorithm discussed in section 8 of this report) as follows:

- 3G Adaptive Multi Rate Coding characterization (55kEuro) [PCG2(99)13].
- USIM test specifications (156 kEuro) [PCG2(99)16].
- 3G TTCN for MS interoperability (1014 kEuro) [PCG2(99)17].

It was noted that all of these requests were considered as urgent, although there would be financial benefits in funding the AMR characterization work as the highest priority since this could be undertaken by an extension of the existing 2G characterization exercise that is currently taking place.

Considering the funding requirements, it was clear that some would be required for 1999 but the remainder would be required for 2000 and 2001. It was assumed that the total additional funding required for 1999 was approximately **600 kEuro** derived as follows:

- 3G Ciphering Algorithm 330 kEuro (100% funded)
- 3G Adaptive Multi Rate Coding characterization 55 kEuro (100% funded)
- USIM test specifications 156 kEuro (100% funded)
- 3G TTCN for MS interoperability 101 kEuro (10% of 1014kEuro)

In terms of managing these activities, it was agreed that they should be placed under the management of the Mobile Competence Centre with expert guidance being provided by the TSGs when required.

### **9.2 Financial/Human Support from Ops**

It was noted that ETSI has allocated resource for 1999 to underwrite the operation of MCC and that an additional guarantee had been provided to enable the Ciphering Algorithm work to commence. ETSI further confirmed that they were willing to continue the funding of mobile activities to a similar level to that provided over recent years, but it was clear that all of the Organizational Partners would now need to consider their funding abilities.

Considering the level of funding already provided by ETSI for 1999, and the additional requests that had been received during this meeting, it was agreed to set up a PCG ad hoc group under the chairmanship of Mr Davidson (ETSI) with one representative from each Organizational Partner. The group was tasked with preparing a proposal for the level of funding to be provided by each Organizational Partner. The urgency of the requests detailed above was noted by PCG and the group was requested to produce their results in the shortest timeframe to enable the technical activities to commence in 1999. The following nominations were received for the group:

ARIB	Mr Sasaki
CWTS	to be advised
ETSI	Mr Davidson
T1	Dr Chatterjee
TTA	Dr Wee
TTC	Mr Yoshino

### 9.3 Organization and Management of Support Team

T1 had proposed that a Support Team Committee could be established within PCG to assist in the management of the Support Team between PCG meetings and to assist in the preparation of annual budgets and accounting [PCG2(99)08]. The purpose of the proposed committee was discussed and it was clarified that it would serve in an advisory capacity and would not become involved in the technical discussions that currently take place between the TSGs and the Support Team. The Secretary confirmed that to have a small committee that he could consult on financial issues would be useful, and could provide an efficient way of managing the Support Team without involving the full PCG unnecessarily.

PCG noted the desire to create a Support Team Committee and requested the TSG Chairmen to propose a revision of the draft Terms of Reference such that their concerns are taken into account. The proposed revised Terms of Reference could then be approved by PCG.

<b>Action PCG2/6:</b> TSG Chairmen to propose revised Terms of Reference for a Support Team Committee for approval by PCG [PCG2(99)08].
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## 10 Working Procedures

T1 had prepared a description of the role to be played by Market Representation Partners in 3GPP and how they could contribute to 3GPP [PCG2(99)08]. The description was fully supported by PCG. However, it was not clear how the MRPs should discharge their roles nor the manner by which they should contribute their results to 3GPP. It was expected that further proposals would be received on how this may be achieved.

The Support Team proposed two changes to the 3GPP Working Methods in order to correct some 3G nomenclature and to update the register of supported electronic tools [PCG2(99)19rev1 and 20rev2]. These proposals were approved by PCG.

<b>Decision PCG2/11:</b> Revised 3GPP Working Methods approved by PCG [PCG2(99)19rev1 and 20rev2].
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It had also been proposed that the responsibility for the further approval of the 3GPP Working Methods should be delegated to TSG SA and this proposal was approved.

<b>Decision PCG2/12:</b> Responsibility for the further approval of 3GPP Working Methods delegated to TSG SA.
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TSG T had requested that definitions be agreed for the terms "global roaming" and "global circulation" in the context of the scope of 3GPP [PCG2(99)10]. The UMTS Forum had already agreed a definition for "global circulation" but no clear proposal had been received for a definition of "global roaming" [PCG2(99)38]. The GSM Association also offered to make information available on certification issues. Mr Holley reported that the real problem was within TSG T where consensus had not been reached on the need to standardize a 3G terminal connector although this matter had not been brought to the PCG. It was agreed that if the problems are not able to be solved in TSG-T then the matter should be raised to PCG for decision.

### 10.1 and 10.2 Proposed Modifications prepared by Ad Hoc Group

Dr Woinsky presented the results of the ad hoc group that had prepared revised 3GPP Working Procedures [PCG2(99)11]. It was noted that the Organizational Partners meeting held recently in Korea had delegated the authority for the 3GPP Working Procedures to PCG and hence the revised version had been presented here for approval. PCG approved the revised Working Procedures.

<b>Decision PCG2/13:</b> Revised 3GPP Working Procedures approved by PCG [PCG2(99)11].
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The GSM Association noted that a new category had been created within 3GPP called "guest" which



enabled temporary participation rights to be granted to potential Individual Members. However, the GSM Association itself had more than 340 members and some means to enable them to participate in 3GPP without the need for them to become members of an Organizational Partner was sought. A proposal along these lines is expected to be presented to the next meeting.

## **11 External Liaisons**

### **11.1 Liaising with ITU**

The PCG noted a liaison statement which had been received from ITU-R TG8/1 concerning the contents of recommendation IMT.RSPC [PCG2(99)05].

Dr Yabusaki presented a liaison statement which had been received from ITU-T SG11 which requested information from 3GPP on the CN-CN and MT-RAN interfaces [PCG2(99)40]. It was noted that the information was requested by late August in time to be discussed during the GSC/RAST meeting, but it was felt that this timescale was too demanding. It was confirmed that the existing deadline of October 1999 was a more reasonable date by which the requested information would be made available, but in the meantime, Individual Members should be encouraged to contribute to SG11 to ensure that 3GPP specifications achieve International recognition.

Mr Hayes proposed a method by which the ITU could reference the 3GPP results before they had been formally converted by the Partners [PCG2(99)14]. The proposal included the granting of copyright to the ITU by the Partners for which a standard text had been drafted. The PCG agreed to the proposed method of working.

<b>Decision PCG2/14:</b> Method agreed which will enable the ITU to reference 3GPP results before they are formally converted by the Partners [PCG2(99)14].
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The TSG RAN Chairman presented preliminary comments on a liaison statement received from ITU-R TG8/1 concerning referencing and copyright of 3GPP results and proposed that legal experts belonging to the Partners should analyze the implications and that their findings should be compiled [PCG2(99)24]. The PCG agreed to this proposal.

<b>Action PCG2/7:</b> Legal experts belonging to the Partners to analyze the referencing and copyright issues raised in document PCG2(99)24 and to compile their results.
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### **11.2 Liaising with 3GPP**

After a short discussion it was agreed that direct liaison between the TSGs and their counterparts in 3GPP2, TIA and UWCC should be permitted, on the condition that each TSG manages the liaisons produced by their working groups.

<b>Decision PCG2/15:</b> Direct liaison between 3GPP TSGs and their counterparts in 3GPP2, TIA and UWCC granted, on the condition that each TSG manages the liaisons produced by their working groups.
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## **12 AoB**

The PCG considered the merits of endorsing a new publication focusing on mobile technology and agreed not to issue such an endorsement [PCG2(99)39].

The PCG noted correspondence from GSM North America concerning handset certification [PCG2(99)30].

The PCG approved a Press Release which had been prepared in the margins of the meeting.

<b>Decision PCG2/16:</b> Press Release approved covering the results of PCG#2.
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### **13 Future meetings**

The previously agreed meeting schedule provided for an OP/PCG meeting to be held on 20/21 December. It was agreed to change the calendar as given below:

OP meeting 18 January 2000 (Sophia Antipolis)  
PCG meeting 19-20 January 2000 (Sophia Antipolis)

OP/PCG 19-20 June 2000 (venue unknown)

OP/PCG 14-15 November 2000 (venue unknown)

### **13 Close of Meeting**

There being no further business the meeting was closed.

**Annex A List of decisions**

N°.	DECISION
<b>D-PCG2/1</b>	Report of PCG#1 approved [PCG1(99)23r1].
<b>D-PCG2/2</b>	3GPP to seek a Registered Application Provider Identity (RID) in order that USIM Application Identifiers (AIDs) may be allocated.
<b>D-PCG2/3</b>	ETSI will maintain the register of USIM Application Identifiers on behalf of 3GPP.
<b>D-PCG2/4</b>	Revised Terms of Reference for TSG RAN approved [PCG2(99)12].
<b>D-PCG2/5</b>	Structure and numbering plan for 3GPP specifications approved [PCG2(99)04].
<b>D-PCG2/6</b>	3GPP accepted responsibility for all 2G work items which needed to be modified for use within 3G systems [PCG2(99)26].
<b>D-PCG2/7</b>	Proposal to hold a workshop on UTRA hooks and extensions endorsed by PCG, to which 3GPP2, UWCC and TIA/TR45 experts should be invited [PCG2(99)15].
<b>D-PCG2/8</b>	The TSG SA proposed method for developing a ciphering algorithm for 3G endorsed by PCG [PCG2(99)6].
<b>D-PCG2/9</b>	The 3GPP Organizational Partners will jointly fund the design of a ciphering algorithm for 3G and will jointly own the results.
<b>D-PCG2/10</b>	PCG ad hoc group created under the chairmanship of Dr Bailey (T1) to draft the license conditions to be used for the 3G ciphering algorithm.
<b>D-PCG2/11</b>	Revised 3GPP Working Methods approved by PCG [PCG2(99)19rev1 and 20rev2].
<b>D-PCG2/12</b>	Responsibility for the further approval of 3GPP Working Methods delegated to TSG SA.
<b>D-PCG2/13</b>	Revised 3GPP Working Procedures approved by PCG [PCG2(99)11].
<b>D-PCG2/14</b>	Method agreed which will enable the ITU to reference 3GPP results before they are formally converted by the Partners [PCG2(99)14].

**Annex B List of Actions**

<b>N°.</b>	<b>RESPONSIBLE</b>	<b>ACTION</b>
<b>A-PCG2/1</b>	Secretary	To seek Registered Application Provider Identity (RID) for 3GPP.
<b>A-PCG2/2</b>	Secretary	To prepare formal invitations to the workshop for 3GPP2, UWCC and TIA/TR45 experts.
<b>A-PCG2/3</b>	Secretary	To reply to the correspondence received from the CDMA Development Group informing them of the CDMA harmonization that had now been achieved.
<b>A-PCG2/4</b>	Secretary	To reply to the OHG Transition Team representatives thanking them for their invitation but informing them that a meeting of the Partnership Project technical leadership was not considered necessary at this time.
<b>A-PCG2/5</b>	Dr Bailey	To establish the PCG ad hoc group to draft the license conditions for the 3G ciphering algorithm.
<b>A-PCG2/6</b>	TSG Chairmen	To propose revised Terms of Reference for a Support Team Committee for approval by PCG [PCG2(99)08].
<b>A-PCG2/7</b>	Partners	Legal experts belonging to the Partners to analyze the referencing and copyright issues raised in document PCG2(99)24 and to compile their results.

**Annex C List of Actions ongoing from previous meetings**

<b>A-PCG1/5</b> <b>Ongoing</b> <b>Comments:</b>	Partners	To inform the PCG Secretary by 11 March of the resources that they could provide for the 3GPP support team details.  <i>Resources have been pledged by ARIB and TTA.</i>
<b>A-PCG1/8</b> <b>Ongoing</b> <b>Comments:</b>	Secretary	To reply to the liaison statement received from RAN WG4 [3GPP/PCG1(99)8].  <i>Reply not yet sent. The IPR register has not yet been created within PCG and no IPR statements have been forwarded by the Organizational Partners.</i>

**Annex D      Adopted agenda**

<b>1</b>	Opening of Meeting and Chairmans remarks
<b>2</b>	Approval of Agenda
<b>3</b>	Approval of Report of PCG#1 3.1      Review of Actions
<b>4</b>	Results of OP Meeting, Korea, 27-28 May 1999
<b>5</b>	Management Reports from TSGs (including Revised Terms of Reference) 5.1      TSG SA 5.2      TSG CN 5.3      TSG RAN 5.4      TSG T
<b>6</b>	Technical Co-ordination and Work Programme Management 6.1      Current status of 3GPP Activities 6.2      Content and Timescale for Release 99 6.3      Content and Timescale for Release 00
<b>7</b>	Results of Operators Harmonization Group / CDG and impact on 3GPP
<b>8</b>	Development of CIPHERING Algorithm for 3G
<b>9</b>	3GPP Support Team Progress Report 9.1      Revised Resource Requirements from TSG Chairmen 9.2      Financial/Human Support from Ops 9.3      Organization and Management of Support Team
<b>10</b>	Working Procedures 10.1      Proposed Modifications prepared by Ad Hoc Group 10.2      Approval of revised Working Procedures
<b>11</b>	External Liaisons 11.1      Liaising with ITU and referencing 3GPP results 11.2      Liaising with 3GPP2
<b>12</b>	Future Meetings
<b>13</b>	Any other business
<b>14</b>	Close of Meeting

## Annex E List of documents

Doc. No.	Title	Source	Agenda Item
PCG1_23r1	Draft summary minutes, decisions and actions from 1st 3GPP PCG Meeting, Fort Lauderdale, US, 01-04 March 1999	PCG Secretary	3
PCG2_01	Draft Agenda	Chairman	2
PCG2_02	Actions Status List	Secretary	3
PCG2_03r2	List of Documents	Secretary	All
PCG2_04	Structure and Numbering of 3GPP Specification Series	MCC	6
PCG2_05	Liaison from ITU-R TG 8/1 on the Approval of Recommendation IMT.RSPC and on the provision of relevant information from External Organizations	TSG RAN	11.1
PCG2_06	Criteria for Cryptographic Algorithm Design Process	TSG SA	8
PCG2_07	Financing Requirements for 3GPP Ciphering Development Work	TSG SA	8
PCG2_08	Administration of 3GPP Support Team	T1	9.3
PCG2_09	Contribution on MRP Status	T1	10
PCG2_10	Clarification required for "global roaming" and "global circulation"	TSG T	10
PCG2_11	Proposed Revised Working Procedures	Mr. Woinsky	10
PCG2_12	Revised Terms of Reference for TSG-RAN	TSG RAN	5.3
PCG2_13	Funding for 3G AMR Characterization Funding	TSG SA	9.1
PCG2_14	Referencing 3GPP Results by the ITU	TSG SA	11.1
PCG2_15	Handling of OHG Recommendations	TSG SA	7
PCG2_16	Funding for USIM Testing	TSG T	9.1
PCG2_17	Funding for 3GPP TTCN Specifications	TSG SA	9.1
PCG2_18	Draft Report from OP Meeting#1	Secretary	4
PCG2_19r1	Proposed changes to 3GPP Working Methods	TSG SA	10
PCG2_20r1	Proposed changes to 3GPP Working Methods	TSG SA	10
PCG2_21	3GPP Status List as at June 1999	MCC	6.1
PCG2_22	Global Roadmap for SMG and SA Plenary Wis after SMG#29 and SA#4	MCC	6.1
PCG2_23	Proposal of classification of the Release 99 Wis	MCC	6.2
PCG2_24	Proposed Guidelines for PCG on the use of reference to 3GPP material in Recommendation IMT.RSPC	TSG RAN	11.1
PCG2_25	OHG Recommendations	Chairman	7
PCG2_26r1	Proposal for 3G and SMG Specification Handling	MCC	6.2
PCG2_27	Communication received from ITU-R concerning OHG Recommendations	Chairman	7
PCG2_28	Status Report	MCC	9
PCG2_29	Communication from CDMA Development Group	Chairman	
PCG2_30	3GPP Handset Certification in North America	GSM North America	12
PCG2_31	Report to PCG#02 on work in TSG-SA	Chairman TSG_SA	5
PCG2_32	Management Report	Chairman TSG_CN	5.2
PCG2_33	Management Report	Chairman TSG_RAN	5.3
PCG2_34	3GPP TSG-T Management Report	Chairman TSG_T	5.4
PCG2_35	OHG Harmonization -Press Release from FCC	K. Lathia	7

PCG2_36	Tasks of support team	ARIB	
PCG2_37	Proposed Actions for the OHG Open Letter	TTC	7
Withdrawn			
PCG2_38	High Level Statement on Global Circulation of UMTS/IMT-2000 Terminals	UMTS Forum	10
PCG2_39	3GPP endorsement for "World Mobile Technology" Publication	Chairman	12
PCG2_40	SG11 Chairman's letter to 3GPP	Vice Chairman TSG_CN	11.1
PCG2_41	3GPP Cipher	Chairman TSG_SA_WG3	8
PCG2_42	List of Participants	MCC Support	

## Annex F List of Participants

Akio <b>SASAKI</b>	ARIB
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Phil <b>DAVIDSON</b>	ETSI
Kiritkumar. <b>LATHIA</b>	ETSI
Karl-Heinz. <b>ROSENBROCK</b>	ETSI
Asok <b>CHATTERJEE</b>	T1
Chuck <b>BAILEY</b>	T1
Mel <b>WOINSKY</b>	T1
Narm-Hee <b>LEE</b>	TTA
Kyu-Jin <b>WEE</b>	TTA
Changho <b>RYOO</b>	TTA
Tatsumi <b>TAKABATAKE</b>	TTC
Nobuhiro <b>HORISAKI</b>	TTC
Koji <b>YAMAMOTO</b>	TTC
Alan <b>HADDEN</b>	GSA
Olle <b>ABERG</b>	GSA
Aoife <b>SEXTON</b>	GSM Association
Jonas <b>TWINGLER</b>	GSM Association
Antonella <b>NAPOLITANO</b>	UMTS Forum
Bernd <b>EYLERT</b>	UMTS Forum
Paola <b>TONELLI</b>	UMTS Forum
Stephanie <b>MONTGOMERY</b>	TIA(Observer)
Yukitsuna <b>FURUYA</b>	TSG RAN Chairman
Francois <b>COURAU</b>	TSG RAN Vice Chairman
Donald <b>ZELMER</b>	TSG RAN Vice Chairman
Stephen <b>HAYES</b>	TSG CN Convenor
Harald <b>DETTNER</b>	TSG CN Chairman
Masmami <b>YABUSAKI</b>	TSG CN Vice Chairman
Niels <b>ANDERSEN</b>	TSG SA Chairman
Gary <b>JONES</b>	TSG SA Vice Chairman
Armin <b>TOEPFER</b>	TSG SA Vice Chairman
Sang-Keun <b>PARK</b>	TSG T Chairman
Ed <b>EHRlich</b>	TSG T Vice Chairman
Kevin <b>HOLLEY</b>	TSG T Vice Chairman
Adrian <b>SCRASE</b>	SECRETARY