



Electronic Communications Committee

CPG

**CPG19-5****Budapest, Hungary, 08<sup>th</sup> - 11<sup>th</sup> January 2018****Date issued: 11<sup>th</sup> January 2018****Source: Chairman/Secretary****Subject: Minutes of CPG19-5**

Group membership required to read? (Y/N)

N

The CPG19-5 meeting was held in Budapest, Hungary, on kind invitation of NMHH.

**1 OPENING OF THE MEETING**

The Chairman of the CPG, Mr Alexander Kühn, opened the meeting and welcomed the participants and observers of other interregional organisations to wonderful Budapest.

On behalf of National Media and Infocommunications Authority, NMHH Mr Péter Vári, Deputy Director-General welcomed the delegates to Budapest. He expressed that it is a great pleasure to host the 5th CPG meeting. The high level of interest is shown by the fact that 32 countries are present at the meeting in Budapest. He believes that the interest, although Budapest is an excellent venue, is mostly due to the topics on the agenda and the upcoming world summit (WRC). Taking into account the large number of important amateur, aeronautical, land mobile, fix radiocommunication furthermore radiolocation issues to be considered, He expected very busy sessions during the meeting. He wished fruitful discussions and a successful deputy chairman election to the meeting.

Additional information on organisation and premises was also provided by Ms Emília Ulelay.

The meeting was attended by 136 delegates representing 32 administrations, the European Commission, the Office and 28 observers. The list of participants can be found in **ANNEX I**. The list of output documents is given in **ANNEX II**.

**2 ADOPTION OF THE AGENDA, SCHEDULE OF WORK**

The Chairman introduced a few modifications to the draft Agenda available. The meeting adopted the Agenda as given in **ANNEX III**. The list of documents provided to the meeting can be found in **ADM25R1**.

**3 EXTRACT FROM ECC MINUTES RELEVANT TO CPG**

The Chairman of the ECC, Mr Eric Fournier (F), informed the meeting about the relevant results of ECC#47.

He drew the attention of the meeting to the update of the CEPT roadmap on 5G (**INFO39**), in particular the part B on WRC-19 (IMT>24 GHz) where ECC removed the reference to the 32 GHz as being a priority for

studies, while referring to the good potential for harmonisation in Europe for the bands 40.5-43.5 GHz and 66-71 GHz.

He also stressed the need for CPG to address the preparation of PP-18 on items relating to radiocommunications, in response to the liaison statement from Com-ITU to ECC in **CPG(18)010**, see section 8.

ECO Bulletin on spectrum management activities outside of CEPT (**INFO37**) contains information that could be relevant to all coordinators and CPG participants, including update from APT, FCC rules for NGSO FSS in 20/30 GHz, or ITS in Canada.

The meeting requested the Office to provide the usual update of the bulletin, where deemed appropriate.

Coordinators are requested to take the provided information into account, where appropriate, when updating their draft briefs.

#### **4 APPOINTMENT OF A NEW CPG VICE-CHAIRMAN**

In accordance with the call for nominations (**L-CPG(17)009**) regarding the vacant vice-chair position, Switzerland and Romania nominated candidates. Both nominations (**NOM01**, **NOM02**) were made public in accordance with the CEPT RoP. The Administrations were invited by the Chairman to introduce the candidates. Mr Sorinel Calinciuc, Romania and Mr Alexandre Kholod, Switzerland were introduced.

As decided by the Chairman, CPG19-5 performed a secret ballot for the appointment of the new Vice-Chairman. The needed quorum was confirmed, with 30 Administrations attending the ballot, including one proxy. Mr Alexandre Kholod (CH) was elected by the majority of votes with no abstentions.

Mr Kholod thanked the CPG for the confidence placed in him by the Administrations by entrusting him with the Vice-Chairmanship of CPG. He expressed his privilege to be able to serve the CEPT membership in this position. Mr Kholod extended his appreciation to the administration of Switzerland for their support and proposal to this position. Finally, he thanked another candidate, Mr Aurelian Sorinel Calinciuc, for the friendship and the healthy spirit of competition.

Mr Calinciuc expressed his gratitude to all distinguishes delegates for considering his candidature for the position of Vice-chairman of CPG. He thanked ANCOM to promote him as a candidate for this position. ANCOM will continue to support CPG activities to strength CEPT position for the next WRC. He also indicated that, without any doubt, Romania will continue to be an important contributor and supporter of the outstanding work of preparation process for WRC-19 and will keep the involvement in all CEPT activities at the highest level. Finally, he congratulated Mr Kholod and Switzerland for election in this position of CPG-19.

#### **5 APPROVAL OF NEW CEPT COORDINATORS**

The Chairmen of the PTs introduced the suggestions of the following coordinators:

- Mr Lars Løge (NOR) as Coordinator for AI 1.9.2
- Mr Jerome André (F) as Coordinator for AI 1.10
- Mr Dirk Schattschneider (D) as Co-Coordinator on AI 1.11

France informed that Mr Christian Rissone will no longer be available to support AI 1.8 as co-coordinator.

The Chairman noted several vacant Agenda items and encouraged the membership to consider the nomination of candidates.

The meeting approved the nominations and the amended list of coordinators can be found in **ADM26**.

## 6 ACTIVITIES REGARDING OTHER ORGANISATIONS

### 6.1 RCC

The RCC representative, Mr Sergey Pastukh (Russian Federation), informed the meeting about the progress of the WRC-19 preparations at the last RCC meeting and referred to the presentation made available to the 1st Interregional ITU-R Workshop on WRC-19.

### 6.2 CITELE

The CITELE representative, Mr Brandon Mitchell (US) presented information about the progress of the WRC-19 preparations at the last CITELE meeting, made available in **INFO35**.

### 6.3 ITU

The ITU representative, Mr Philippe Aubineau, presented updated information on the preparation for WRC-19, including CPM19-2 and RA-19 (**INFO36**). He informed the meeting of the result of the consultation process on Council Resolution 1343 (C-17) regarding the venue for RA-19 and WRC-19 in Sharm el-Sheikh (Egypt), see [ITU CL No. 17/52](#). He referred to the unchanged dates of RA-19 and WRC-19, as well as to the unchanged deadlines and meeting dates for the preparation of the CPM Report to WRC-19. He also referred to the ITU webpages providing latest information on the **Fehler! Hyperlink-Referenz ungültig.** and regional preparation (i.e. [www.itu.int/go/wrc-19-regional](http://www.itu.int/go/wrc-19-regional)). He mentioned the up-to-date information on the preparatory studies for WRC-19, available at: [www.itu.int/go/rcpm-wrc-19-studies](http://www.itu.int/go/rcpm-wrc-19-studies), and presented an overview of the status on the draft Methods under development. He encouraged the use of the [ITU CPI tool](#) for the preparation of documents including texts from the Radio Regulations and provided a list of references to facilitate the preparation of modifications to the RR. He recalled the relevant [conclusions from the previous RAG meeting](#) and provided information for the participation in the next RAG meeting (on 26-29 March 2018, see [BR CA/236](#)). Finally, he provided preliminary information on the 2nd ITU Inter-regional Workshop on WRC-19 Preparation, planned to be held on 21-23 November 2018, and mentioned the availability [online](#) of the information exchanged during the first Workshop on this subject.

### 6.4 EU

The EU representative, Mr Björn Thegeby, informed the meeting about the recent developments within the European Union with relevance to the WRC-19 preparation. He highlighted in particular a judgement of the European Court of Justice from October 2017, clarifying the need of a binding decision of the European Council on WRC's. He also described the regular process within the EU on the development of a Council Decision in terms of WRC, in particular an Opinion of the Radio Spectrum Policy Group providing advice to the European Commission, which will be brought under public consultation.

The CPG Chairman kindly requested the EU representative to consider the provision of relevant information to future meetings of the CPG.

### 6.5 OTHER ORGANISATIONS

As indicated during CPG19-4, NATO provided the preliminary NATO position statements on WRC-19 in **INFO38**.

The CEPT Coordinators were tasked to update section 6 of their relevant Brief accordingly, if necessary.

## 7 REPORTS FROM CPG PROJECT TEAMS

The Chairman encouraged the PTs to start the development of draft ECPs on all Agenda items except 9.1 noting that the decision of CPG19-1 on the development of ECPs prevails. For this purpose the CPI provided by the ITU is to be used.

### 7.1 PTA

The Chairman of PTA, Mr Gerlof Osinga (HOL) introduced the progress report **CPG19(18)002** including the set of draft CEPT Briefs for WRC-19 Agenda items under the responsibility of PTA.

The Chairman of PTA reported that PTA had one meeting after CPG19-4. He informed the meeting that the schedules of the PTA meetings have changed since the last PTA meeting. The PTA-4 meeting is scheduled to be held at the ECO premises on 6-9 of March 2018, the date for the PTA-5 is scheduled on 4-7 of September 2018, awaiting confirmation.

#### WRC-19 Agenda item 1.2 - Earth Stations 400 MHz

The CEPT Coordinator, Mr Jean Pla (F) introduced **ANNEX IV-02** to **CPG(18)002** containing the draft CEPT Brief.

The CEPT Brief has been updated with the aim to preserve the use of 399.9-400.05 MHz frequency band (E-S) for MSS services by implementing suitable limits emphasising that those regulatory limits have to be applicable to all systems. It also includes information on the current status regarding limits for both frequency bands under consideration and for each type of satellite. Actions to be taken were amended by adding possible regulatory actions regarding satellite networks operating TT&C links exceeding the agreed limits.

The draft CEPT brief on AI 1.2 was approved and can be found in **ANNEX IV-02**.

#### WRC-19 Agenda item 1.3 - Update EESS and MetSat 460 MHz

The CEPT Coordinator, Mr Ralf Ewald (D) introduced **ANNEX IV-03** to **CPG(18)002** containing the draft CEPT Brief.

As tasked by CPG, the preliminary CEPT position was modified to clarify that the earth stations receiving EESS and MetSat will not claim protection from MS and FS stations as stated in Resolution 766. In the background section, a new pfd mask has been added. The related studies are investigating the impact of EESS and MetSat satellite systems compliant with this new pfd mask on fixed service, resulting in the protection of the FS with margin. There was agreement that the mask should be investigated further, especially the impact of this mask on MS systems, but no agreement to inform ITU-R WP 7B on the on-going studies in a CEPT contribution. WP7B was informed via multi-country proposal.

The draft CEPT brief on AI 1.3 was approved and can be found in **ANNEX IV-03**.

#### WRC-19 Agenda item 1.7- Nano-/ Picosatellites

In the absence of the Coordinator, whose apologies were received, the Chairman of PTA introduced **ANNEX IV-07** to **CPG(18)002** containing the draft CEPT Brief.

The meeting was informed on the status of studies. Some concerns were expressed that coexistence in the remaining 403-406 MHz frequency bands may not be feasible. Further studies on the 153-162 MHz frequency band are on-going.

The draft CEPT brief on AI 1.7 was approved and can be found in **ANNEX IV-07**.

#### **WRC-19 Agenda item 1.14- HAPS**

The CEPT Coordinator, Mr Nasarat Ali (G) introduced **ANNEX IV-14** to **CPG(18)002** containing the draft CEPT Brief.

The preliminary CEPT position is updated with the need to ensure new sharing and compatibility studies are taking into account the outcome of studies already performed in ITU-R, where relevant. The Brief further contains considerations how to accommodate future HAPS spectrum requirements, hence studies conducted show that the current HAPS identifications would not satisfy the overall spectrum requirements for broadband connectivity HAPS applications.

PTA was tasked to review the aggregate effect on the satellite service if IMT would be allocated in the 26 GHz band in Region 2. Guidance was given by the CPG to PTA to work on a generic approach for regulatory environment in particular to converge different systems into a single solution.

ESA highlighted the importance of protection of EESS passive adjacent to the 31 GHz band being considered for HAPS.

The draft CEPT brief on AI 1.14 was approved and can be found in **ANNEX IV-14**.

#### **WRC-19 Agenda item 1.15 - Services above 275 GHz**

In the absence of the Coordinator, the Chairman of PTA introduced **ANNEX IV-15** to **CPG(18)002** containing the draft CEPT Brief.

As requested by CPG19-3, the preliminary CEPT position was revised, balancing the passive and active services.

Additional information was received on the status of studies within ITU-R WP 1A. Based on the latest available studies there is around 150 GHz of spectrum available for active services.

The draft CEPT brief on AI 1.15 was approved and can be found in **ANNEX IV-15**.

#### **WRC-19 Agenda item 2 - Incorporation by reference**

The CEPT Coordinator, Mr Karel Antousek (CZ) introduced **ANNEX IV-17** to **CPG(18)002** containing the draft CEPT Brief.

The draft Brief was revised only with regards to the information of external organisations. Annex 1 was developed with regard to “issue 1” (update of ITU-R Recommendation P.525-3).

The draft CEPT brief on AI 2 was approved and can be found in **ANNEX IV-17**.

#### **WRC-19 Agenda item 4 - Review of WRC resolutions and recommendations**

The CEPT Coordinator, Mr Karel Antousek (CZ) introduced **ANNEX IV-18** to **CPG(18)002** containing the draft CEPT Brief.

He informed the meeting that the work will be done in the lists of Resolutions and Recommendations. The updates concerning Resolutions **114-239** are contained in the Annex to the Draft CEPT Brief. Related liaison statements to inform PTB, PTC, PTD and ECC PT1 were sent out.

Furthermore the CEPT Administrations and Project Teams are encouraged to study the table in Annex 1 of the Draft CEPT Brief in detail and to provide contributions with comments to PTA including proposals on a possible course of action regarding Resolutions and Recommendations relevant to their work.

The draft CEPT brief on AI 4 was approved and can be found in **ANNEX IV-18**.

#### **WRC-19 Agenda item 8 - Review of footnotes**

The CEPT Coordinator, Mr Dmytro Protsenko (UKR) introduced **ANNEX IV-20** to **CPG(18)002** containing the draft CEPT Brief.

The CEPT Administrations are encouraged to inform the CEPT Coordinator of their intentions to propose the deletion of country footnotes or country names from footnotes, even if the decision is not to pursue any deletions. The reaction of the administrations will be listed in the Annex IV of the draft CEPT Brief.

The draft CEPT brief on AI 8 was approved and can be found in **ANNEX IV-20**.

#### **WRC-19 Agenda item 10 - New Agenda items for WRC-23**

Two proposals on the handling of work regarding WRC-19 AI 10 were received, **CPG(18)007** by Switzerland and **CPG(18)009** by 5 Administrations). Both suggest that the work on the new agenda should be done in PTA.

The meeting agreed after short discussion to task PTA with the further work on AI 10. The ToR of PTA were revised accordingly.

The revised Terms of Reference of PTA can be found in **ANNEX VI-07**.

Switzerland introduced further a proposal in **CPG(18)007** on working procedure for the adoption of the ECP on AI 10. Deviating from the usual approach to approve the ECP on AI 10 with all related proposals as a whole, Switzerland suggested having a case-by-case consideration on each of the related proposal towards the new agenda.

After a discussion it was decided to use the following approach: PTA is tasked to develop a single comprehensive draft ECP containing all proposals with the assumption that it may be adopted as one single ECP. If administration(s) raise concerns on particular proposals, on which consensus cannot be reached, then a separate decision by CPG on such proposals will be taken. Further specification on this procedure may be made until CPG19-7.

PTA is also tasked to consider as early as possible positions on the preliminary Agenda items of WRC-23 (Resolution **810 (WRC-15)**) taking utmost account of CEPT previous positions.

The Russian Federation introduced **CPG(18)012** containing a proposal to discusses handling of any issue raise too late in the process of WRCs having impact on AI 7, the issues of AI 9.1 and AI 9.2 and therefore on AI 10 when considering the new agenda.

The focus of the proposal is related to the streamlining of work under AI 7 trying to avoid uncertainty and distraction from the elements properly developed and prepared.

Therefore revisions to Resolution **804**, especially to its Annex on the working methods of CPM are proposed (Annex1) and views are suggested regarding new issues under AI 7 and consequently the handling of possible difficulties and inconsistencies under AI 9.2.

The meeting discussed and decided that PTA would consider further the proposal on Resolution **804**. Concerning Resolution ITU-R 2-8 it was proposed to develop a Multi Country Proposal to meet the deadline of the RAG by electronic means (either a forum under the CPG website or the RAG-reflector). The Chairman was tasked to bring the proposal regarding a procedure on "single solution items" to the attention of the other regional groups in order to develop a common understanding.

## 7.2 PTB

Ms Doriana Guiducci (ECO) on behalf of the PTB chairperson, Ms Stanislava Tereshchenko (RUS), introduced **CPG(18)003R1** containing the report of the two PTB meetings held since last CPG19-4, as well as all the draft CEPT Briefs for the WRC-19 Agenda items in the remit of PTB.

She also highlighted particular PTB activities for WP4A, which led to two draft CEPT contributions (**ANNEX VI-01** and **ANNEX VI-02** to **CPG(18)003**) not unanimously agreed at the PTB level and therefore presented to CPG for approval. PTB also submitted a possible contribution from CPG to WP4A (**ANNEX VI-03** to **CPG(18)003**) on cost recovery for non-GSO satellite networks, accompanied by a draft liaison statement from CPG to duly inform Com-ITU on this issue (**ANNEX VI-04** to **CPG(18)003**).

The meeting were informed that Ms Stanislava Tereshchenko (RUS) cannot continue her chairmanship of PTB and CPG19-6 has therefore to appoint a new PTB Chairman. The Russian Federation informed about its intention to nominate as soon as possible a competent candidate, who would perform as acting chairman pending the CPG approval.

### WRC-19 Agenda item 1.4 - Review Annex 7 of Appendix 30

The CEPT Coordinator, Mr Adrian Herbera (E), introduced **ANNEX IV-04** to **CPG(18)003** containing the draft CEPT Brief, with updates to the preliminary CEPT Position, as well section 3 (Background) and section 5 (Actions to be taken). CPG invited PTB to start developing the draft ECP at the next PTB meeting.

The draft CEPT brief on AI 1.4 was approved and can be found in **ANNEX IV-04**.

#### *Statement by the Russian Federation:*

*The Russian Federation informs the CPG meeting that at this time it continue to study possibility of deletion of A3 (part b) and A3 (part c) limitations. Also the Russian Federation have a concern with regard to proposed modification of Table 1 of Annex 7 to Appendix 30 due to the fact that such modification could provide preferences to satellite networks which will be filed after WRC-19.*

*In this regard, the Russian Federation could not support the preliminary CEPT position and draft Brief on the AI 1.4.*

#### *Statement by the United Kingdom:*

*The UK noted that the current CEPT Briefs, which includes that for AI 1.4, are draft in nature and that this meant that it was at liberty to bring forward proposals on this item to PTB or WP4A, as it saw appropriate.*

### WRC-19 Agenda item 1.5 – ESIM

The CEPT Coordinator, Mr Stephen Jones (G), introduced **ANNEX IV-05** to **CPG(18)003** containing the draft CEPT Brief.

CPG considered and amended the draft brief and tasked PTB to improve the text of the current preliminary CEPT position with regard to Aircraft ESIM.

CPG also agreed that PTB should develop an ECP for this Agenda item.

The draft CEPT brief on Agenda item 1.5 was approved and can be found in **ANNEX IV-05**.

CPG considered **ANNEX IV-01** to **CPG(18)003** on the coexistence of maritime ESIM with fixed service stations, as this possible contribution to WP4A did not receive unanimous agreement at PTB.

The UK and the Russian Federation indicated that they still maintained their concerns around the assumptions used in this study (i.e. assumption that technical characteristics of FS in the 24.5-26.5 GHz are representative of the FS in the 27.5-29.5 GHz band). The meeting considered the issue and amended the contribution by proposal of the Coordinator in such a way clarifying that further technical inputs by Administrations are still possible both within CEPT and ITU-R including the next WP4A to refine these studies.

With this understanding, this document was agreed to be sent as a CEPT input to WP4A. Germany kindly agreed to submit the CEPT contribution.

The CEPT contribution on modifications to Study E regarding the coexistence maritime-ESIM with FS stations was approved and can be found in **ANNEX VI-02**.

#### **WRC-19 Agenda item 1.6 - Non-GSO FSS Q/V band**

In the absence of the coordinator Ms Doriana Guiducci (ECO), introduced the draft Brief on Agenda item 1.6 in **ANNEX IV-06** to **CPG(18)003**, which was updated and modified based on the discussion on latest studies.

The draft CEPT brief on AI 1.6 was approved and can be found in **ANNEX IV-06**.

#### **WRC-19 Agenda item WRC-15 Agenda item 7 – Satellite procedures**

The CEPT Coordinator, Ms Anna Marklund (S), introduced **ANNEX IV-19** to **CPG(18)003** containing the draft CEPT Brief, which was updated taking into account the development at WP4A and includes eleven separate Annexes for each issue with the order and labelling of the Annexes following the WP4A structure.

The meeting considered the wording on the preliminary position on issue H as detailed at this stage and revised them.

The meeting noted the developments at the recent meeting of ITU-R WP 1B (November 2017) and the potential connection between issue F and Agenda item 9.1 issue 9.1.7. This development was included in the draft Brief to ensure a consistent position on both issues.

Based on the considerations at PTB, CPG confirmed the identification of a new issue XX. Due to the proposed CEPT contribution on this issue (see below), the meeting saw the need to include a new Annex 12 in the draft Brief, which was done accordingly as suggested by the CEPT Coordinator.

The draft CEPT brief on AI 7 was approved and can be found in **ANNEX IV-19**.

A proposed CEPT contribution developed by PTB in **ANNEX VI-02** to **CPG(18)003** for submission to WP4A was introduced. The document addresses draft CPM text on Agenda item 7 issues E, F and a new issue XX proposing to include it within the scope of Agenda item 7. After performing some drafting and further improvement of the document, the meeting agreed to submit it noting some expressed concerns.

The contribution on AI 7 to ITU-R WP4A was approved and can be found in **ANNEX VI-03**.



The CEPT Coordinator noted that no formal coordination team has been established on Agenda item 7, but that active support is being provided by several Administrations. She also emphasised the advantage of several CEPT Administrations explicitly supporting the preliminary CEPT positions at ITU-R meetings.

*Regarding issue G, the Russian Federation made the following statement:*

*The Russian Federation could not support the preliminary CEPT position on the issue G of the AI 7 as the proposed changes to update the reference situation of the interfered-with network based on the bilateral agreement could lead to the degradation of environment for the third parties networks or even to regulatory uncertainties regarding already coordinated networks.*

*Regarding issue XX, the Russian Federation made the following statement:*

*The Russian Federation could not support new issue XX under AI 7 as the development of new additional measures to facilitate entering new assignments into the RR Appendix 30B List under this new issue XX will have a negative impact on the existing assignment in the RR Appendix 30B List, especially on those which has been converted from the allotments. For this reason the Russian Federation object CEPT contribution to the ITU-R WP 4A proposing new issue XX and reserve its rights to present different view at the ITU-R WP 4A meeting.*

#### **WRC-19 Agenda item 9.1 – issue 9.1.3 - Non GSO FSS C-band**

The CEPT Coordinator, Mr Ethan Lavan (F), introduced **ANNEX IV-21C** to **CPG(18)003** containing the draft CEPT Brief with updates to section 3 (Background) to reflect the status of the studies of sharing with GSO FSS.

The draft CEPT brief on AI 9.1 issue 9.1.3 was approved and can be found in **ANNEX IV-21C**.

#### **WRC-19 Agenda item 9.1 – Issue 9.1.7 - Unauthorised terminals**

The CEPT Coordinator, Mr Guy Christiansen (D), introduced **ANNEX IV-21G** to **CPG(18)003** containing the draft CEPT Brief. The meeting noted also the relation to Agenda item 7 issue F.

The Russian Federation introduced the document **CPG(18)013**, proposing modifications to the draft CEPT Brief, in particular to divide the identified two issues within 9.1.7. Several administrations agreed that a number of the proposals of the Russian Federation improved the clarity and organisation of the draft CEPT Brief. However, due to constraints in time and an inability to agree the specific changes to the draft CEPT Brief, the meeting decided not to accept any changes to the background section of the draft CEPT Brief and request that the changes proposed by the Russian Federation be considered at the next meeting of PTB.

The preliminary CEPT position was agreed, in particular that no changes are required to No **18.1**. PTB was tasked to consider clear elements on issue 2 b) in order to develop a draft ECP.

The draft CEPT brief on AI 9.1 issue 9.1.7 was approved and can be found in **Annex IV-21G**.

The Chairman, on request of the Coordinator, stressed the need of active support to the preliminary CEPT position at the forthcoming meetings of ITU-R WP 1B and invited all administrations participating to do so.

#### **WRC-19 Agenda item 9.1 – Issue 9.1.9 - FSS 50 GHz**

In the absence of the coordinator, Ms Doriana Guiducci (ECO), introduced **ANNEX IV-21J** to **CPG(18)003** containing the draft CEPT Brief, with updates to section 3 (Background), section 5 (Actions to be taken) and section 6 (Information from other regional organisations)

The meeting tasked PTB to develop an ECP on this issue.

The draft CEPT brief on AI 9.1 issue 9.1.9 was approved and can be found in **ANNEX IV-21J**.

#### **WRC-19 Agenda item 9.2 - Inconsistencies (satellite part)**

Discussion arose on the submission of issues on Agenda item 9.2 in the timeframe between two WRCs to the RRB and/or ITU-R SGs for consideration in accordance with their respective scopes and competences, as well as on unresolved difficulties to CPM for information. It was also proposed to publish in all official ITU languages the Report of the Director on AI 9.2 preferably five months prior to the Conference. But this consideration did not lead to any change to a draft CEPT brief at this stage.

The meeting confirmed that work under AI 9.2 will be started after the BR Director's Report will be available.

The ITU representative, Mr Alexandre Vallet, informed the meeting that the BR Director intends submit some of the difficulties or inconsistencies encountered so far in the application of the Radio Regulations to the relevant ITU-R Working Parties at their 2018 meetings

#### **WRC-19 Agenda item 9.3 - Due diligence**

In the absence of a coordinator, Ms Doriana Guiducci (ECO), introduced **ANNEX IV-23** to **CPG(18)003** containing draft Brief on AI 9.3 with some minor modification.

The draft CEPT brief on AI 9.3 was approved and can be found in **ANNEX IV-23**.

#### **Cost recovery for nGSO satellite networks**

In the absence of the PTB Chairperson, Ms Doriana Guiducci (ECO) introduced **ANNEX VI-03** to **CPG(18)003** containing the proposed CEPT contribution from CPG to WP4A on cost recovery for non-GSO satellite networks. The document was developed by PTB at its last meeting and is intended to support the possible review of the cost recovery structure initiated by the ITU Council 2017.

Although the Director of the Radiocommunication Bureau already presented to ITU-R Working Parties an analysis of various factors that impact the processing time for non-GSO satellite systems and suggested a possible methodology to amend the cost recovery fee schedule for these systems, CPG agreed that additional important information and elements are valuable to better understand the relationship between the increasing delay in processing times and the complexity of non-GSO filings. Luxembourg kindly agreed to submit the CEPT contribution.

The agreed contribution on cost recovery to WP4A was approved and can be found in **ANNEX VI-04**.

The ITU Representative, Mr Alexandre Vallet, recalled that the Radiocommunication Bureau has to finalise its study on technical issues related to cost recovery matter by 31<sup>st</sup> January 2018.

A Liaison statement to Com-ITU covering the same topic can be found in **ANNEX VI-05**.

### **7.3 PTC**

The Chairman of PTC, Mr Martin Weber (D), introduced **CPG19(18)004** containing the meeting report of the 4<sup>th</sup> PTC meeting and the draft Briefs on Agenda items 1.8, 1.9.1, 1.9.2, 1.10 and issue 9.1.4.

#### **WRC-19 Agenda item 1.8 - GMDSS**

The CEPT Coordinator, Ms Talayeh Hezareh (D) introduced **ANNEX IV-08** to **CPG(18)004** containing the draft Brief on this Agenda item, with updated text for the CEPT preliminary position on issue A, updated the background information and the list of Actions to be taken.

The overall discussions in PTC focused on the different views on the secondary status of the MSS frequency allocation proposed for GMDSS and no consensus was reached on whether or not a secondary allocation can be used for GMDSS. This part of the position remains in square brackets for further discussion.

France and Norway propose in **CPG(18)011** a new method for the CPM text in order to find an acceptable solution for issue B. Consequent changes to the CEPT Brief and Position are proposed as well. It is intended to submit this proposal at the next WP4C, being the last one which will prepare the draft CPM text for the resolves 2 of the Resolution **359** on Agenda item 1.8. The proposal includes:

- A primary allocation of the frequency band 1621.35-1626.5 MHz to the Mobile Satellite Service (s-E)
- To add this band to **Appendix 15**
- Modifications to No **5.372** introducing a hard limit for unwanted emission for the protection of RAS

The meeting considered the proposal which may form a way forward after more detailed consideration. Hence PTC was tasked to further discuss the proposal.

The Chairman invited all administrations to consider a support of the proposal and a possible co-signature in order to ensure that another method will be included in the draft CPM text. Administration wishing to co-sign the document may inform Mr Christian Rissone, [christian.rissone@anfr.fr](mailto:christian.rissone@anfr.fr), until 01<sup>st</sup> Feb 2018.

CRAF provided in **CPG(18)016** information on measurements of unwanted emissions of the new generation of Iridium satellites. The document was noted.

Iridium informed in **CPG(18)INFO40** on its current efforts to improved protection for RAS. The document was noted.

The draft CEPT brief on Agenda item 1.8 was approved and can be found in **ANNEX IV-08**.

## **WRC-19 Agenda item 1.9 - Maritime**

### **WRC-19 Agenda item 1.9.1 - Autonomous devices**

The Coordinator, Mr Heinrich Peters (D) introduced **ANNEX IV-09A** to **CPG(18)004** containing the draft Brief on Agenda item 1.9.1.

The draft CEPT brief on Agenda item 1.9.1 was approved and can be found in **ANNEX IV-09A**.

### **WRC-19 Agenda item 1.9.2 - VDES satellite**

The Chairman of PTC, Mr Martin Weber (D) introduced **ANNEX IV-09B** to **CPG(18)004** containing the draft Brief on Agenda item 1.9.2, and the draft ECP in **ANNEX V-09B** to **CPG(18)004**

Concerns were raised on the Option C of the preliminary CEPT Position since the frequency range 162-172 MHz is used for terrestrial systems and the compatibility with a new Satellite system still needs to be studied. The view was expressed that such a solution might be out of the scope of the Agenda item and Resolution **360**. PTC was tasked to reduce the number of options as far as possible.

Since the preliminary CEPT Position contains multiple options the meeting was of the view that it would be premature to start the development of a draft ECP, therefore the developed draft ECP was not endorsed and was sent back to PTC.

The draft CEPT brief on Agenda item 1.9.2 was approved and can be found in **ANNEX IV-09B**.

#### **WRC-19 Agenda item 1.10 - GADSS**

The coordinator Mr Jerome André (F) introduced **ANNEX IV-10** to **CPG(18)004**, containing the revision of the draft CEPT Brief. The coordinator informed about developments towards a more advanced ICAO view, which would include an analysis of necessary changes to the RR.

The draft CEPT brief on Agenda item 1.10 was approved and can be found in **ANNEX IV-10**.

#### **WRC-19 Agenda item 9.1 – Issue 9.1.4 - Suborbital planes**

The CEPT Coordinator, Mr Stephen Limb (G) introduced **ANNEX IV-21D** to **CPG19(18)004** containing the draft Brief on Agenda item 9.1 issue 9.1.4.

The draft CEPT brief on AI 9.1 issue 9.1.4 was approved and can be found in **ANNEX IV-21D**.

### **7.4 PTD**

The Chairman of PTD, Alexandre Kholod (CH) introduced **CPG(18)005** including the set of draft CEPT Briefs for WRC-19 Agenda items in the remit of PTD. He also informed the meeting about the preparation and submission of CEPT contributions to ITU-R.

#### **WRC-19 Agenda item 1.1 - Amateurs**

The CEPT Coordinator, Mr Hans Blondeel Timmerman (HOL) introduced **ANNEX IV-01** to **CPG19(18)005** containing the draft brief on Agenda item 1.1, as further developed by PTD.

The meeting noted some redundancy in the text of the preliminary CEPT position, in particular, in the parts dealing with the protection of incumbent services. It was also observed that the assessment of the spectrum need for the amateur service is an essential element to advance with the studies under this agenda item. Therefore, PTD is tasked to address these issues at its next meeting. The Administration of the Czech Republic expressed concerns with, in their view, the strong statement in the preliminary CEPT position and informed the meeting that they will provide a corresponding contribution to the next PTD meeting.

Some minor editorial changes were made throughout the text of the draft Brief. Furthermore, the meeting added an action point suggesting the definition of the status of the possible allocation for the amateur service.

The draft CEPT brief on Agenda item 1.1 was approved and can be found in **ANNEX IV-01**.

#### **WRC-19 Agenda item 1.11 - Tracksides**

The CEPT Co-Coordinator, Mr Dirk Schattschneider (D) introduced **ANNEX IV-11** to **CPG(18)005** containing the draft Brief on Agenda item 1.11 as modified by PTD and **ANNEX V-11** to **CPG(18)005** containing the draft ECP.

The meeting made some amendments to the preliminary CEPT position addressing the provisions for public communication services to passengers.

The draft CEPT brief on Agenda item 1.11 was approved and can be found in **ANNEX IV-11**. The draft ECP brief on Agenda item 1.11 was approved and can be found in **ANNEX V-11**.

#### **WRC-19 Agenda item 1.12 - ITS**

The Co-Coordinator, Mr Tobias Vieracker (D) introduced **ANNEX IV-12** to **CPG(18)005** containing the draft Brief on Agenda item 1.12. Following the request from CPG19-4, PTD discussed and developed a draft ECP as of **ANNEX V-12** to **CPG(18)005**.

The meeting made some editorial amendments to the draft Brief and tasked PTD:

- to consider revision of the last paragraph in § 3.1 to avoid any misinterpretation with regard to the conditions set to ITS (implemented within the mobile service) to co-exist with FSS in the band 5 855-5 925 MHz.
- to check § 3.2 on the subject of redundancy when describing the standardisation for ITS;
- to review the text in § 3.3 dealing with the compatibility between ITS and RLAN noting that this issue is dealt with under Agenda item 1.16.

The draft CEPT brief on Agenda item 1.12 was approved and can be found in **ANNEX IV-12**. The draft ECP on Agenda item 1.12 was approved and can be found in **ANNEX V-12**.

#### **WRC-19 Agenda item 1.16 - RLAN 5 GHz**

The CEPT Coordinator, Mr Andrew Gowans (G) introduced **ANNEX IV-16** to **CPG(18)005** containing the updated draft CEPT Brief on Agenda item 1.16.

ESA observed that the last meeting of ITU-R WP5A agreed on a single method (NOC) for the band 5 250-5 350 MHz.

As far as the band 5 850-5 925 MHz is concerned, Germany introduced a contribution in **CPG(18)014**. In particular, it was noted that the last meeting of ITU-R WP 5A agreed on a single method (NOC) for the band and that studies so far had indicated there were difficulties in providing appropriate protection to all of the safety related ITS functionalities from RLAN interference. Therefore, they were proposing to update the preliminary CEPT position to indicate that CEPT support a single method (NOC) for the 5 850-5 925 MHz band.

The meeting agreed to this proposal and tasked PTD to review and clean up the background section of the draft Brief with a view of identifying and removing any redundancy as well as addressing some of the issues still enclosed in square brackets.

The draft CEPT brief on Agenda item 1.16 was approved and can be found in **ANNEX IV-16**.

#### **WRC-19 Agenda item 9.1 – Issue 9.1.5 - Protection criteria 5 GHz**

The CEPT Coordinator, Mr Andrew Gowans (G) introduced **ANNEX IV-21E** to **CPG(18)005** containing the updated draft CEPT Brief on AI 9.1 issue 9.1.5.

France, supported by Switzerland introduced **CPG(18)015** suggesting an alternative method to resolve the issue by deleting the sentences in Nos **5.447F** and **5.450A**, where Recommendations ITU-R are referenced. The meeting intensively debated this proposal and noted the need to include the statement on non-applicability of No **5.43A** into the above footnotes, should the suggested revisions be accepted. One of the concerns expressed during the debates was if the references to ITU-R Recommendations were removed how it would affect the current co-existence mechanisms to enable protection for the radiolocation service imposed on the mobile service through the Radio Regulations. The meeting decided to task PTD to review

the proposal in **CPG(18)015** at its next meeting and update the CEPT Brief accordingly, with a corresponding guidance. Interested Administrations were invited to further contribute on this proposal.

In view of the above, the track changes in the draft CEPT Brief were accepted with understanding that PTD will continue the development of the document as outlined above.

The draft CEPT brief on AI 9.1 issue 9.1.5 was approved and can be found in **ANNEX IV-21E**.  
The guidance regarding the review of the CEPT Brief can be found in **ANNEX VI-06**.

#### **WRC-19 Agenda item 9.1 - Issue 9.1.6 – Wireless power transmission systems for electric vehicles (WPT for EV)**

The CEPT Coordinator, Mr Fatih Yurdal (TUR) introduced **ANNEX IV-21F** to **CPG(18)0005** containing the draft Brief on AI 9.1 issue 9.1.6, and made further suggestions to the list of relevant documents.

The meeting endorsed the development of a "NOC" ECP for this issue.

The meeting also noted PTD might wish to liaise with SRD/MG regarding the recent information on frequency bands for WPT for EV applications.

The draft CEPT Brief on AI 9.1 issue 9.1.6 was approved and can be found in **ANNEX IV-21F**.

#### **7.5 ECC-PT1**

The Chairman of ECC PT1, Mr Steve Green (G), introduced **CPG(18)006** containing the progress report of ECC PT1 and providing the proposed updates to the CEPT Briefs for WRC-19 Agenda item 1.13 and issues 9.1.1, 9.1.2 and 9.1.8 within WRC-19 Agenda item 9.1.

The PT1 Chairman highlighted that CEPT coordinators were required for issues 9.1.1 and 9.1.2.

#### **Overlapping frequency bands**

The meeting considered and endorsed **Annex 1** to **CPG(18)006**, proposing split of work in different Project Teams for frequency bands under study for different agenda items. The proposal reflects the organisation of the work already adopted in ITU-R for the preparation of WRC-19. The meeting's attention was drawn to the possible use of HAPS in Region 2, which could potentially lead to aggregate interference into ISS/FSS in Region 1. It was noted that Region 2 already has FSS and ISS and therefore they will need to show compatibility between HAPS, IMT and other applications in their own region, which will therefore also protect Region 1. The meeting indicated that it would consider any technical studies brought forward by administrations in this regard. The Russian Federation indicated that it could only accept HAPS in Region 2 in this band if it can be shown that aggregate interference from HAPS and IMT will not cause harmful interference to space services.

#### **WRC-19 Agenda item 1.13 - IMT 2020**

The Coordinator, Mr Robert Cooper (G), introduced the draft brief on Agenda item 1.13 in **ANNEX IV-13** to **CPG(18)006**.

In regard to the 26 GHz band, it was noted that the work is continuing on the protection of EESS. In parallel ECC will consider an ECC Decision, to be approved in July. The timing aligns well because the final meeting of ITU-R TG 5/1 will take place in August, after ECC has approved the Decision on 26 GHz.

The meeting agreed to reorder the preliminary position in the brief to focus on CEPT support in relation to the agenda item, followed by supplementary information for the outside world on the plans to harmonise 26 GHz.

Some countries were of the view that discussion of individual authorisation was not relevant to the context of the WRC. Others were of the view that this gave important context to the results of the studies, in particular for the protection of EESS Earth stations and radio astronomy stations.

ECC PT1 was tasked to align the relevant sections of the draft CEPT brief with the draft ECC Decision on 26 GHz.

In relation to the ISS and FSS in 26 GHz, the meeting asked ECC PT1 to consider whether it was appropriate to convert the study assumptions of typical networks into maximum regulatory limits.

The Russian Federation highlighted that FSS protection criteria and deployment models could be subject to further study. In this respect, the meeting encouraged administrations that identified items needing further study to submit relevant technical contributions to the Project Team. The Russian Federation informed the meeting that it had submitted two contributions to TG 5/1 and invited administrations to review them.

Turkey highlighted that the current background to the CEPT brief on 71-76 GHz and 81-86 GHz mentions a study but the summary of the results still needs to be provided.

The draft CEPT brief on Agenda item 1.13 was approved and can be found in **ANNEX IV-13**.

*Statement by the Russian Federation:*

*The Russian Federation reserves its position with respect to the results of compatibility studies between IMT-2020 and FSS in the 24.25-27.5 GHz, since further study have already been provided to the next TG 5-1 meeting by the Russian Federation. This study take into account clarified by the TG 5-1 scenarios of IMT deployment as well as protection criteria of satellite station receivers in the FSS.*

Document **CPG(18)008** was introduced by the CEPT coordinator. This proposed a CEPT contribution to ITU-R Task Group 5/1 to inform that group of the CEPT roadmap for 5G, which had been updated by the latest ECC meeting. The key spectrum message in the roadmap is the European work to harmonise the frequency band 24.25-27.5 GHz for 5G and the removal of 32 GHz from the list of priorities for study.

The Russian Federation opposed the inclusion of information on the frequency band 3.4-3.8 GHz, since it is outside the scope of ITU-R TG 5/1. Other administrations supported the inclusion of all the information from the roadmap, noting that 3.4-3.8 GHz will be the primary 5G band in CEPT, and that roadmaps from other regions have been made available to TG 5/1. The meeting noted the objection from the Russian Federation.

The meeting agreed on a CEPT contribution to ITU-R TG 5/1 in **ANNEX VI-01**, to be submitted by the UK.

**WRC-19 Agenda item 9.1 – Issue 9.1.1 - 2 GHz MSS IMT**

In the absence of a coordinator the chairman of ECC PT1 introduced the draft brief on Agenda item 9.1 - issue 9.1.1 in **Annex IV-21A** to **CPG(18)006**.

The draft CEPT brief on AI 9.1 issue 9.1.1 was approved and can be found in **ANNEX IV-21A**.

**WRC-19 Agenda item 9.1 – Issue 9.1.2 - BSS sound**

In the absence of a coordinator the chairman of ECC PT1 introduced the draft brief on Agenda item 9.1 issue 9.1.2 in **ANNEX IV-21B** to **CPG19(18)006**. This was not changed from the version agreed at CPG19-4.

The draft CEPT brief on AI 9.1 issue 9.1.2 was approved and can be found in **ANNEX IV-21B**.

*Statement by the Russian Federation:*

*The Russian Federation reiterate its position presented at the CPG19-2, CPG19-3, CPG19-4 that preliminary CEPT position is not related to the issue 9.1.2 as in accordance with the Radio Regulation the band 1 452-1 492 MHz is not identified for IMT in any of the CEPT countries and protection of supplemental downlink under the mobile service is outside of the scope of AI 9.1 issue 9.1.2. In addition the Russian Federation with regret would like to stress that CEPT position on the issue of compatibility between IMT and BSS in the band 1 452-1 492 MHz is the same as it was at before and at the WRC-15 (hard pfd limit for BSS, which does not allow individual reception in BSS) which proof to be unhelpful for finding a solution and lead to this new Agenda item at WRC-19.*

#### **WRC-19 Agenda item 9.1 – Issue 9.1.8 - Machine-type communications**

Since the coordinator was not available at this meeting, the chairman of ECC PT1 introduced the draft CEPT Brief on Agenda item 9.1 issue 9.1.8 in **ANNEX IV-21H** to **CPG(18)006**

The draft Brief was amended including modifications to the preliminary CEPT position, the background text and the list of relevant documents.

ECC PT1 proposed to start work on a draft ECP for NOC for this issue. This was agreed by the meeting.

The meeting agreed to delete the section on WP 1B, hence the WP has clarified that the draft new Report ITU-R SM.[LPWAN.MTC] is not being developed in response to Agenda item 9.1 issue 9.1.8. Nevertheless it was noted that the current work of WP 1B is to be reflected in the draft CEPT Brief. Therefore PT1 was tasked to provide relevant information and to also assess the section on the current CEPT framework an SRD, and consider whether any text on LPWAN is required.

The draft CEPT brief on AI 9.1 issue 9.1.8 was approved and can be found in **ANNEX IV-21H**.

## **8 PREPARATION OF PLENIPOTENTIARY CONFERENCE 2018 AND RADIOCOMMUNICATION ASSEMBLY 2019**

### **Announcement of nominations**

Mr Eric Fournier (F) announced that Mr Yvon Henri, previously Head of the Space Service Department in ITU Radiocommunication Bureau, will be the French candidate to the Radio Regulations Board (RRB). His competences in satellite and in radio regulations would benefit to the RRB essential activities and he is well known for his independence and his dedication in ensuring satellite development for all countries. The flyer can be found in **INFO41** and is available for all CPG participants to present Mr. Henri's career and commitments.

Mr Van Dijken (HOL) announced that Mrs Lilian Jeanty is the Netherlands candidate for re-election to the Radio Regulations Board at the next ITU Plenipotentiary Conference later this year. Mrs Jeanty has been responsible for the coordination of the international activities in the Radiocommunications Agency of the Netherlands. She has extensive experience in radio regulatory and spectrum matters and has been actively involved in the ITU over many years. Since 2015 Mrs Jeanty is a member of the RRB and has chaired the RRB in 2016. She is well known for her skills, independence and dedication to the work of the ITU. The flyer can be found in **INFO42**.

### **Com-ITU**

The meeting noted the Liaison statement of Com-ITU (**CPG(18)010**) and agreed on a reply informing Com-ITU on spectrum related issues relevant for the preparation of PP-18. Two issues have been identified:

- A review of Resolution **185 (Busan, 2014)**, and



- Technical elements of the cost recovery procedure for non-GSO satellite systems. The LS will be also sent to the ECC.

The Liaison statement to Com-ITU can be found in **ANNEX VI-05**.

## 9 SCHEDULE OF MEETINGS

The meeting considered the schedule of meetings of CPG and PTs and agreed on a tentative schedule until the final meeting of CPG in September 2019 in **ADM23R2**.

The Russian Federation announced concerns regarding the venues of some meetings within the WRC preparation process.

## 10 DATE AND PLACE OF NEXT CPG/PT MEETINGS (INCLUDING TIMING 2019)

The following meetings of the CPG are scheduled:

Meeting:	Date:	Country:
CPG19-6	26 <sup>th</sup> - 29 <sup>th</sup> June 2018	Turku, Finland
CPG19-7	November 2018	[TBD], The Netherlands
CPG19-8	May 2019	[TBD], Sweden
CPG19-9	27 <sup>th</sup> - 30 <sup>th</sup> August 2019	[TBD], Russian Federation

The representative of Finland informed the meeting that CPG19-6 will be held in Turku, Finland. The invitation will be provided in due time. The Netherlands informed about its possible invitation for late November 2018. Russian Federation confirmed the invitation to last CPG in 2019.

## 11 ANY OTHER BUSINESS

The Chairman, on behalf of the CPG, expressed his gratitude to Mr Edoardo Marelli (ESA), who is leaving the CPG.

## 12 APPROVAL OF THE MINUTES OF CPG19-5

The minutes of #5 meeting of CPG19 have been adopted as given in **CPG(18)017**.

## 13 CLOSURE OF THE MEETING

The Chairman thanked all participants and observers for their cooperation and their willingness for compromise.

The Chairman then closed the meeting of CPG19-5.

**CPG19-4****Budapest, Hungary, 08<sup>th</sup> - 11<sup>th</sup> January 2018****Date issued: 11<sup>th</sup> January 2018****Source: Minutes CPG19-5****Subject: List of output documents of CPG19-5**

Group membership required to read? (Y/N)

N

<b>ANNEX</b>	<b>SUBJECT</b>
<b>I</b>	<b>AGENDA CPG19-5</b>
<b>II</b>	<b>LIST OF OUTPUT DOCUMENTS OF CPG19-5</b>
<b>III</b>	<b>LIST OF PARTICIPANTS</b>
<b>IV</b>	<b>CEPT BRIEFS ON AGENDA ITEM</b>
IV-01	Draft Brief on Agenda Item 1.1
IV-02	Draft Brief on Agenda Item 1.2
IV-03	Draft Brief on Agenda Item 1.3
IV-04	Draft Brief on Agenda Item 1.4
IV-05	Draft Brief on Agenda Item 1.5
IV-06	Draft Brief on Agenda Item 1.6
IV-07	Draft Brief on Agenda Item 1.7
IV-08	Draft Brief on Agenda Item 1.8
IV-09A	Draft Brief on Agenda Item 1.9.1
IV-09B	Draft Brief on Agenda Item 1.9.2
IV-10	Draft Brief on Agenda Item 1.10
IV-11	Draft Brief on Agenda Item 1.11
IV-12	Draft Brief on Agenda Item 1.12
IV-13	Draft Brief on Agenda Item 1.13
IV-14	Draft Brief on Agenda Item 1.14
IV-15	Draft Brief on Agenda Item 1.15
IV-16	Draft Brief on Agenda Item 1.16
IV-17	Draft Brief on Agenda Item 2
IV-18	Draft Brief on Agenda Item 4
IV-19	Draft Brief on Agenda Item 7
IV-20	Draft Brief on Agenda Item 8
IV-21A	Draft Brief on Agenda Item 9.1 Issue 9.1.1
IV-21B	Draft Brief on Agenda Item 9.1 Issue 9.1.2
IV-21C	Draft Brief on Agenda Item 9.1 Issue 9.1.3
IV-21D	Draft Brief on Agenda Item 9.1 Issue 9.1.4
IV-21E	Draft Brief on Agenda Item 9.1 Issue 9.1.5

IV-21F	Draft Brief on Agenda Item 9.1 Issue 9.1.6
IV-21G	Draft Brief on Agenda Item 9.1 Issue 9.1.7
IV-21H	Draft Brief on Agenda Item 9.1 Issue 9.1.8
IV-21J	Draft Brief on Agenda Item 9.1 Issue 9.1.9
IV-23	Draft Brief on Agenda Item 9.3
<b>V</b>	<b>ECPS ON AGENDA ITEM</b>
V-11	Draft ECP AI 1.11
V-12	Draft ECP AI 1.12
<b>VI</b>	<b>MISCELLEANOUS</b>
VI-01	AI 1.13 - CEPT contribution to TG1/5 on CEPT Roadmap on 5G
VI-02	AI 1.5 - CEPT contribution to WP4A on Study E
VI-03	AI 7 issues E, F, XX – CEPT contribution to WP4A
VI-04	Cost Recovery - CEPT contribution to WP4A
VI-05	Preparation of PP-18 - Liaison statement to Com-ITU
VI-06	AI 9.1 issue 9.1.5 - Guidance on further work
VI-07	Revision of ToR of PTA regarding work on AI 10

**CPG19-5****Budapest, Hungary, 8<sup>th</sup> - 11<sup>th</sup> January 2018****Date issued: 8<sup>th</sup> January 2018****Source: CPG Chairman****Subject: Agenda CPG19-5**

Group membership required to read? (Y/N)

N

Item No	Subject	Document CPG(18)xx
1.	Opening of the meeting	
2.	Adoption of the Agenda, Schedule of work	001, ADM24R1, ADM25R1
3.	Extract from ECC minutes relevant to CPG	INFO37, INFO39
4.	Appointment of a new CPG Vice-Chairman	NOM01, NOM02
5.	Appointment of CEPT coordinators	ADM26
6.	Report on preparatory activities of other organisations	
6.1.	RCC	INFO34
6.2.	CITEL	INFO35
6.3.	ITU	INFO36
6.4.	EU	
7.	Consideration on issues of CPG project teams	INFO38
7.1.	PTA Considerations on AI10	002 009, 007, 012
7.2.	PTB	003, 013
7.3.	PTC	004, 011, 016, INFO40
7.4.	PTD	005, 014, 015
7.5.	ECC PT1	006, 008, 008 Annex, 006 ANNEX VI-13R1
8.	Preparation of Plenipotentiary Conference 2018 and Radiocommunication Assembly 2019	010, INFO41, INFO42
9.	Schedule of relevant meetings	ADM23R3
10.	Date and Place of next CPG	
11.	Any other business	
12.	Approval of the minutes of CPG19-5	

13.	Closure of the meeting	
-----	------------------------	--