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The CPG19-3 meeting was held in Vienna, Austria on kind invitation of the Austrian Federal Ministry for Transport, Innovation, and Technology.

# 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 beautiful Vienna.

On behalf of the Austrian Federal Ministry for Transport, Innovation, and Technology, Mr Franz Ziegelwanger welcomed all participants to the third CPG19 meeting in Vienna. He expressed Brief remarks and its appreciation for being able to host Austria’s first CPG meeting and welcomed everyone to the beautiful and historic city. Mr Ziegelwanger provided some information on the main topics of relevance in the field of Spectrum Management, inter alia the ongoing work on the Austrian 5G Strategy, the importance of successful frequency coordination (at the moment reshuffling of UHF for introduction of mobile broadband in 700 MHz) and the protection of niche market applications like TTT, ITS, applications auxiliary to space, Rail and PMSE.

Concerning the Agenda of WRC-19, the Austrian Administration focuses beside IMT, the protection of existing services in case of further frequencies for RLAN/WAS as well as harmonisation issues for rail and road infrastructure and recognizes the importance of scientific, satellite and meteorological services.

With the invitation to a traditional “Heurigen” later in the week, Mr Ziegelwanger completed his introduction by wishing a fruitful and successful meeting!

The Chairman welcomed Mr François Rancy, Director of the Radiocommunication Bureau, to address the meeting. Mr Rancy highlighted the importance of progressing as quickly as possible the preparatory work on WRC-19 Agenda Item 1.13, in order to meet the expectations of the 5G development agenda. He encouraged CEPT to pursue its approach of coordinating with the other regions in order to converge on preferred bands no later than CPM19-2. Two additional agenda items, non-GSO FSS and HAPS, have overlapping target bands with AI 1.13 and Mr Rancy encouraged administrations to resolve possible conflicts early. Finally, Mr Rancy noted that Agenda Item 1.16 (5 GHz RLANs) remains problematic due to the lack of compliance of unlicensed devices with Dynamic Frequency Selection obligations at 5 GHz and resulting continued disruptions to meteorological radars, as reported at the ECC. As long as the regulations adopted by WRC-03 have not been enforced, this situation is likely to discourage administrations from accepting more sharing situations between licensed and unlicensed services. In closing, Mr Rancy, wished CPG the best success and ensured the full support of the Bureau to its activities.

Additional information on the organisation and premises was provided by Mr Florian Cziczatka.

The meeting was attended by 96 delegates representing 22 administrations, the European Commission, the Office and 26 observers. The list of participants can be found in ANNEX I. The list of output documents is given in ANNEX II.

# 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.

# 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#44 in Dublin. He highlighted several points:

* The CEPT Roadmap on 5G has been updated, taking into account the progress in all ECC groups, including CPG. A mandate from the European commission on 5G has been issued, which focuses on the 3.4-3.8 GHz and on the 26 GHz bands.
* A new work item for a feasibility study regarding WAS including RLAN in the band 5 925-6 425 MHz has been adopted. However, the ECC agreed that any overlapping between this work item and the WRC-19 Agenda item 1.16 should be avoided.
* The LS from Com-ITU (as provided to the CPG as INFO17) has been discussed and it was concluded that ECC representatives should contact Com ITU representatives to help responding the questionnaire for the radiocommunication sector. This is also a matter which may also request actions from CPG regarding the preparation of RAG meetings.

# Approval of new CEPT Coordinators

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

Mr Maxim Strelets (RUS) as Coordinator on AI 1.6.

Mr Ethan Lavan (F) as Coordinator on AI 9.1.3 replacing Mr Maxim Strelets (RUS).

The CPG was informed that there will be an upcoming change to the coordinator for AI 1.12. The official nomination will occur at the next PTD meeting subject to approval by CPG19-4.

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

The meeting approved the suggested nominations and the amended list of coordinators can be found in ADM18R1.

# Activities regarding other organisations

## ITU

The ITU representative, Mr Philippe Aubineau presented updated information on the preparation for WRC-19, including CPM19-2 and RA-19 (INFO18R1).

He recalled the result of the consultation process on Council Resolution 1343 (C-16) (see [ITU CL/57](https://www.itu.int/md/S16-SG-CIR-0057/en)) and referred to the ITU webpages providing up-to-date information on the [ITU‑R meetings](http://www.itu.int/en/events/Pages/Calendar-Events.aspx?sector=ITU-R) and regional preparation (i.e. [www.itu.int/go/wrc-19-regional](http://www.itu.int/go/wrc-19-regional)). He presented the up-to-date information on the preparatory studies for WRC-19 (see [www.itu.int/go/rcpm-wrc-19-studies](http://www.itu.int/go/rcpm-wrc-19-studies)) and pointed out the Questionnaires on WRC-19 Agenda items 1.9.1 and 9.1 issue 9.1.7 with the respective deadlines for the responses. He drew the meeting attention to the replies from concerned groups to TG5/1.

5/1 liaison statement on WRC-19 Agenda item 1.13 and to the template in [Doc. 5-1/35](https://www.itu.int/md/R15-TG5.1-C-0035/en) to be used for the sharing and compatibility studies to be carried out at TG5/1. He recalled the relevant conclusions from the previous RAG meeting, including the encouragement to submit proposals under WRC-19 agenda item 10 as soon as possible and preferably one month prior to WRC-19. He also provided preliminary information on the next RAG meeting (on 26-28 April 2017, see [BR CA/232](http://www.itu.int/md/R00-CA-CIR-0232/en)) with in particular the celebration this year of the 90th Anniversary of the CCIR/ITU-R Study Groups (1927-2017). He provided further information on the 1st ITU Inter-regional Workshop on WRC-19 Preparation planned to be held on 21-22 November 2017. He presented briefly the new version of the [Conference Proposal Interface (CPI) for WRC-19](http://www.itu.int/net4/Proposals/CPI/WRC19/Main) to be used already at this stage for retrieving provisions/ texts from the 2016 Edition of the Radio Regulations in the proper format and ITU template, and later on for the preparation and submission of proposals to WRC-19.

## other organisations

The meeting was informed on the status of preparatory work of CRAF (INFO20), EBU (INFO22), and WMO (INFO23).

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

# Reports from CPG project teams

The Chairman reiterated the decision of CPG19-2 to streamline the description of the issue (section 1), the preliminary CEPT position (section 2) and the actions to be taken (section 5) in order to increase the readability, clarity of the position and necessity of actions in all draft Briefs.

The PTs and Coordinators were tasked to apply this as a matter of principle.

## PTA

The Chairman of PTA, Mr Gerlof Osinga (HOL), introduced the progress report in CPG(17)002, including a reviewed set of draft CEPT Briefs of all Agenda items in the remit of PTA.

The Chairman of PTA reported that PTA had one meeting after CPG19-2. He informed the meeting about the health situation of the Mr. Karel Antousek (CZ), the coordinator of AI 2 and 4 and Mr Sebastian Rey (D) coordinator of AI 1.15. The meeting provided best wishes for a quick recovery to both.

WRC-19 Agenda item 1.2 – Earth Stations 400 MHz

The Coordinator, Mr Jean Pla (F), introduced the draft Brief on Agenda item 1.2 in ANNEX IV-02 to CPG(17)002.

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 Coordinator, Mr Ralf Ewald (D), introduced the draft Brief on Agenda item 1.3 in ANNEX IV-03 to CPG(17)002. PTA was tasked to further develop the issue around the primary in-band and adjacent band services in the preliminary CEPT position in such a way that the MetSat upgrade and the addition of a primary EESS (space-to-Earth) allocation would impose no further constrains on these services.

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

The Acting Coordinator, Mr Jaap Steenge (HOL), introduced the draft Brief on Agenda item 1.7 in ANNEX IV-07 to CPG(17)002.

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

In the absence of the Coordinator, the Chairman of PTA introduced the draft Brief on Agenda item 1.14 in ANNEX IV-14 to CPG(17)002. The meeting agreed to better reflect the situation on initiated studies regarding spectrum needs for broadband connectivity HAPS applications. A new action point was added accordingly. CPG invited administrations to review the studies on HAPS requirements and provide active contributions to the next PTA so that CEPT can develop a coherent approach on this Agenda item. Furthermore discussions took place on a possible revision of the HAPS definition in No 1.66A. Two viewpoints were expressed, whether a possible revision is in the scope of the Agenda item or the definition should be reviewed in light of the new proposed HAPS characteristics.

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

Statement by the Russian Federation

The Russian Federation is of the view that revision of definition for HAPS (see No 1.66A) might not be in the scope of the AI 1.14.

WRC-19 Agenda item 1.15 – Services above 275 GHz

In the absence of the Coordinator, the Chairman of PTA introduced the draft Brief on Agenda item 1.15 in ANNEX IV-15 to CPG(17)002.

Discussion took place on the perceived balance between the existing passive service and the possible new active services. Concerns were raised on the lack of information regarding possible applications of the active services. CPG encouraged CEPT membership to provide input contributions to the next PTA on this issue, allowing a better reflection within the preliminary CEPT position. Furthermore the meeting pointed PTA to similar issues in the 90-275 GHz range that were addressed in WGFM and WGSE.

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

In the absence of the Coordinator, the Chairman of PTA introduced the draft Brief on Agenda item 2 in ANNEX IV-16 to CPG(17)002.

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

In the absence of the Coordinator, the Chairman of PTA introduced the draft Brief on Agenda item 4 in ANNEX IV-18 to CPG(17)002. He informed the meeting that the work will be done in the lists of Resolutions and Recommendations. The updates concerning Resolutions 1-111 are contained in the Annex to the Draft CEPT Brief.

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 Coordinator, Mr Dmytro Protsenko (UKR), introduced the draft Brief on Agenda item 8 in ANNEX IV-20 to CPG(17)002. A new Annex 3 was inserted. He encouraged CEPT Administrations to consider the action points listed in Chapter 5 of the Draft CEPT Brief. The CEPT Administrations that do not intend to pursue any deletions are invited to inform the CEPT Coordinator of their intentions to be indicated in Annex4 of the draft Brief until the last PTA meeting.

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

## PTB

Ms. Stella Lyubchenko (ECO) on behalf of the PTB chairperson, Ms Stanislava Tereshenko (RUS), introduced CPG(17)003 containing the report of the PTB meeting, as well as all the draft CEPT Briefs for the WRC-19 Agenda items in remit of PTB.

She highlighted the particular activities for WP4A, which led to three CEPT contributions not unanimously agreed at the PTB level and therefore presented these documents to CPG for approval.

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

The CEPT Coordinator, Mr Adrián Herbera (E), introduced the draft Brief on Agenda item 1.4 in ANNEX IV-04 to CPG(17)003. Following a discussion the preliminary draft CEPT position was amended by transferring one paragraph indicating that further studies are required to consider the deletion of limitation A3 to the section on actions to be taken.

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

WRC-19 Agenda item 1.5 – ESIM

The CEPT Coordinator, Mr Stephen Jones (G), introduced the draft Brief on Agenda item 1.5 in ANNEX IV-05 to CPG(17)003.

The meeting discussed the possible regulatory approach on Maritime ESIM: Some favoured an open view, some administration supporting using pfd limits to protect terrestrial services against interference from Maritime ESIM while some other administrations were of the view that a distance limitation is more appropriate from the regulatory perspective. The meeting retained the existing preliminary position and tasked PTB to consider the issue of a regulatory limit for the protection of terrestrial services from maritime ESIM further. PTB was also tasked to develop text specifying limits in ECC/DEC/(13)01 instead of using the direct reference. Additional amendments were made to reflect the outcome of the consideration of Agenda item 9.1, Issue 9.1.7 and its relation to this Agenda item.

The Coordinator presented two contributions for approval as common inputs to the next meeting of ITU-R WP4A:

* Contribution on aircraft ESIM interference into FS in ANNEX VI-01 to CPG(17)003;
* Contribution on the regulatory framework for the operation of ESIM under Agenda item 1.5 in ANNEX VI-2 to CPG(17)003.

By a drafting activity, the proposal related to a regulatory framework for ESIM operation was amended to reflect various views expressed by meeting participants.

Finally both documents were approved for submission to ITU-R WP4A as CEPT inputs.

The Russian Federation informed the meeting about their intention to provide additional proposals and views on the regulatory framework for ESIM operation, as well as on the Aircraft ESIM interference to FS, to WP4A. The Coordinator was tasked to develop common CEPT views as appropriate on that matter during the WP4A meetings.

The draft CEPT Brief on AI 1.5 was approved and can be found in ANNEX IV-05.   
CEPT contributions for submission to WP4A can be found in ANNEX VI-01 and VI-02.

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

In the absence of the coordinator Ms. Stella Lyubchenko (ECO), introduced the draft Brief on Agenda item 1.6 in ANNEX IV-06 to CPG(17)003.

The draft CEPT Brief on AI 1.6 was adopted and can be found in ANNEX IV-06.

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

The Coordinator, Ms Anna Marklund (S), introduced the draft Brief on Agenda item 7 in ANNEX IV-19 to CPG(17)003.

The structure of the draft Brief is aligned with the WP4A Chairman’s Report from the October 2016 meeting where applicable. The draft Brief contains an overall preliminary draft CEPT position for Agenda item 7 and there are eight sub-issues presented in eight annexes with separate preliminary CEPT positions. Two new and two revised preliminary CEPT positions on issues A, D, E and F have been presented.

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

One proposed CEPT contribution developed by PTB in ANNEX VI-03 to CPG(17)003 for submission to ITU-R WP4A was introduced. The meeting agreed to submit the contribution noting that the Russian Federation and The Netherlands expressed concerns. The Netherlands expressed no objection to submit the proposed document to WP4A but informed the meeting that it will address elements of the aforementioned document and will submit alternative options to solve issue G to the next WP4A meeting.

The meeting revised the preliminary CEPT position on Issue G by removing any reference to Region 2.

The contribution on AI 7 Issue G to ITU-R WP4A was approved and can be found in ANNEX VI-04.

Statement by the Russian Federation

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 "victim" 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. Furthermore based on the same reason the Russian Federation could not support CEPT contribution to ITU-R WP 4A regarding draft CPM text on WRC-19 AI 7 Issue G and reserve its right to present different view on this issue at ITU-R WP 4A.

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 and encouraged using the CEPT chat at WP4A Agenda item 7 meeting sessions.

WRC-19 Agenda item 9.1 - Issue 9.1.3 – Non GSO FSS C-band

The Coordinator Mr Ethan Lavan (F) introduced the draft Brief on Agenda item 9.1 Issue 9.1.3 in ANNEX IV-21C to CPG(17)003. Short discussion took place about possible constraints to existing versus future satellite networks, the application of values in Table 21-4 to protect the incumbent services. PTB was tasked to consider these matters furthers.

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 – Unauthorized terminals

The CEPT Coordinator, Mr Guy Christiansen (D), introduced the draft Brief on Agenda item 9.1 issue 9.1.7 in Annex IV-21G to CPG(17)003. Discussion focused on the relation between this issue and Agenda item 1.5 (ESIM). It was agreed that AI 9.1 issue 9.1.7 addresses the issue of enforcement of unauthorised FSS earth stations and not the issue of ESIM which are covered by Agenda item 1.5. The meeting revised the preliminary draft CEPT position accordingly.

Following the proposal introduced in document CPG(17)008 PTB was permitted to develop an ECP on this issue.

PTB was also tasked to examine Article 18.1 and reflect it appropriately in the background section of the draft CEPT Brief based on the PTB(17)INFO10. Germany informed the meeting that it intends to contribute the same information to the next meeting of PTB.

The meeting also noted document INFO21 drawing attention to BR circular letter 1/LCCE/99, forwarding a questionnaire developed by ITU-R WP1B. This questionnaire requested information from administrations on their experience in licensing Earth stations. CEPT administrations were encouraged to respond to this questionnaire.

After discussions, the meeting concluded that the issue of ESIM licensing should be considered under Agenda item 1.5 and not under Issue 9.1.7 and amended the preliminary CEPT position accordingly.

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

Statement by the Russian Federation:

The Russian Federation do not oppose preliminary CEPT position but is of the view that unauthorized operation of ESIM should be considered under AI 9.1 issue 9.1.7 rather than under AI 1.5. The reason for that is that consideration of this issue under AI 1.5 could solve the problem of unauthorized operation of ESIM only in the frequency bands 17.7-19.7 GHz (space-to-Earth) and 27.5-29.5 GHz (Earth-to-space) while there is a need for regulatory measures regarding ESIM in other frequency bands which are already used or may be used in the future. Additional provisions to the Article 18 of RR relating to the licensing of FSS ESIM as well as FSS networks operating ESIM may be required in order to avoid unauthorised operation of ESIM.

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

In the absence of the coordinator, Ms. Stella Lyubchenko (ECO), introduced the draft Brief on Agenda item 9.1 issue 9.1.9 in in ANNEX IV-21J to CPG(17)003.

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

WRC-19 Agenda item 9.2 – Inconsistencies (satellite part)

No document at this stage.

WRC-19 Agenda item 9.3 – Due dilligence

In the absence of a coordinator, Ms. Stella Lyubchenko (ECO), introduced the draft Brief on Agenda item 9.3 in ANNEX IV-23 to CPG(17)003.

The draft CEPT Brief on AI 9.3 can be found in ANNEX IV-23.

## PTC

The Chairman of CPG PTC, Mr Martin Weber (D), introduced CPG(17)004 containing the meeting report of the 1st and 2nd PTC meeting, the draft CEPT Briefs of all agenda items.

The meeting noted the response of WGSE on the LS from CPG19-2 in INFO17.

WRC-19 Agenda item 1.8 – GMDSS

The Co-Coordinator introduced the draft Brief on Agenda item 1.8 in Annex IV-08 to CPG(17)004.

The draft CEPT Brief on agenda item 1.8 was approved and can be found in ANNEX IV-08.

The Co-Coordinator introduces a draft contribution to ITU-R WP4C in ANNEX VI-01 to CPG(17)004. The document was developed based on two contributions received by PTC. Due to the lack of time for complete consideration by the administrations, PTC decided to contribute the draft to CPG19-3.

The CEPT contribution to ITU-R WP4C was approved and can be found in ANNEX VI-04.

WRC-19 Agenda item 1.9 - Maritime

WRC-19 Agenda item 1.9.1 - Autonomous devices

The Coordinator introduced the draft Brief on Agenda item 1.9.1 in ANNEX IV-09A to CPG(17)004.

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

In the absence of a Coordinator the Chairman of PTC introduced the draft Brief on Agenda item 1.9.2 in ANNEX IV-9B to CPG(17)004.

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

In the absence of a Coordinator the Chairman of PTC introduced the draft Brief on Agenda item 1.10 in ANNEX IV-10 to CPG(17)004.

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

In the absence of a Coordinator the chair of PTB introduced the draft Brief on Agenda item 9.1 issue 9.1.4 in ANNEX IV-21D to CPG(17)004.

The representative of the European Space Agency raised concerns that this issue may also address the use of rockets for launching of satellites. He proposed to clarify that rockets for launching satellites are outside the scope of this issue. The meeting agreed to modify the preliminary position accordingly.

It was noted that the wording of "incumbent systems" should be replaced by "incumbent services". PTC was tasked to consider this at its next meeting.

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

## PTD

The Chairman of PTD, Alexandre Kholod (CH), introduced the progress report to CPG in CPG(17)005 including the set of draft CEPT Briefs for WRC-19 Agenda items in the remit of PTD. Further, he informed the meeting about on-going activities within PTD towards CEPT contributions to ITU-R, in particular within the CEPT Forum.

The Chairman encouraged CEPT membership to contribute actively to the CEPT Forum discussions.

WRC-19 Agenda item 1.1 – Amateurs

The Coordinator introduced the draft Brief on Agenda item 1.1 in ANNEX IV-01 to CPG(17)005.

The Coordinator highlighted the progress of the sharing studies. Regarding these studies, the Swiss administration informed the meeting of its intention to submit a contribution to the next PTD meeting addressing the co-existence studies between the mobile service and the amateur service in the band 50-54 MHz.

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

In the absence of the CEPT Coordinator the Chairman of PTD introduced the draft Brief on Agenda item 1.11 in ANNEX IV-11 to CPG(17)005.

With regards to the possible approaches to satisfy the requirement of global or regional spectrum harmonisation for railway radiocommunication systems between train and trackside, the meeting provided further guidance to PTD. In particular, it was decided that no modifications to the Radio Regulations to the Articles of the Radio Regulation are required. If spectrum harmonisation cannot be achieved through the appropriate ITU-R Recommendations, the development of a WRC Resolution or a WRC Recommendation without adding additional constraints on incumbent services should be considered.

The draft CEPT Brief on Agenda item 1.11 was approved and can be found in ANNEX IV-11.

WRC-19 Agenda item 1.12 - ITS

The Co-Coordinator introduced the draft Brief on Agenda item 1.12 in ANNEX IV-12 to CPG(17)005.

In order to improve the clarity of the preliminary CEPT position, the meeting requested PTD to avoid referencing any particular ECC decision as it requires knowledge of the ECC regulatory nomenclature.

The meeting discussed a possible relationship between the studies under Agenda item 1.12 and Agenda item 9.1, issue 9.1.8. It was felt necessary to ensure consistency between positions on both items, in particular with a view of the applicability of IMT/5G technology. PTD is requested to consider the matter and collaborate with ECC PT1, as appropriate.

The draft CEPT Brief on Agenda item 1.12 was approved and can be found in ANNEX IV-12.

WRC-19 Agenda item 1.16 - RLAN 5 GHz

The Coordinator introduced the draft Brief on Agenda item 1.16 in ANNEX IV-16 to CPG(17)005.

The meeting discussed the need to amend the preliminary CEPT position for the band 5 150-5 350 MHz. In particular, the Russian Federation emphasized that its studies submitted to PTD indicate that a relaxation of the usage conditions in band 5 250-5 350 MHz is not possible. Other administration pointed out, that these studies did not take account of a possible usage of DFS as a mitigation technique. The meeting decided to retain the CEPT position and to continue the discussions in PTD based on further studies and contributions.

Furthermore the meeting discussed the influence on the work plan of this agenda item by the timeline of the development of new standards with possible new mitigation techniques. In this respect the meeting noted that the Agenda item needs a thorough analysis of the effectiveness of new mitigation techniques. The potential contributors should bear this in mind.

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

Statement by the Russian Federation

The Russian Federation is of the view that results of compatibility studies in the frequency band 5 250-5 350 MHz, presented in document PTD(17)009, clearly show that outdoor operation of WAS/RLAN systems in this band require the development of new effective mitigation technique for protection of radiolocation systems. In this regard, the Russian Federation is of the view that preliminary CEPT position with respect to this frequency band needs to be revised.

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

The Coordinator introduced the draft Brief on Agenda item 9.1 - Issue 9.1.5 in ANNEX IV-21E to CPG(17)005.

The meeting requested PTD to clarify the use of the wording "incumbent radio services". There was a view that this wording should be replaced by the mobile service. However, there was another view that Agenda item 9.1 - Issue 9.1.5 deals primarily with the protection of the radiodetermination service. The meeting decided to keep the current wording of the preliminary CEPT position unchanged.

Furthermore the meeting made a small descriptive amendment to the CEPT position pertaining to the ITU-R Recommendations.

The draft CEPT Brief on AI 9.1 issue 9.1.5 was approved and can be found in ANNEX IV-21E.

The United Kingdom, sought clarification through the CPG Chair, regarding the statement made at the most recent PTD meeting by NATO on Agenda item issue 9.1.5. UK reflected that, according to the process NATO presented to CPG19-2 meeting (December 2016), preliminary NATO positions would be established in Q2/Q3 of 2017 and as of yet no NATO positions on WRC-19 had been established.

In response NATO stated that NATO has clearly defined requirements for the 5 GHz band, a standing long term policy on the use of the 5 GHz band and the NATO Joint Civil/Military Frequency Agreement 2014 stressing the importance of the NATO military access to the band. These policies and agreements have been unanimously agreed by all NATO member nations, up to the North Atlantic Council. The statement at PT D is based on these agreements and reflects them. NATO positions on this and any WRC-19 Agenda items have not yet been agreed in that process. NATO provided INFO24 for clarification.

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 the draft Brief on Agenda item 9.1 - issue 9.1.6 in ANNEX IV-21F to CPG(17)005.

The Coordinator provided further clarification on the status of work within SE24 and WP1B on the subject of WPT. It was highlighted that the ITU-R studies do not foresee the usage of WPT in the band 6 765-6 795 kHz for electric vehicles. The meeting requested PTD to make it clear also in the CEPT Brief.

It was further highlighted that SE 24 is currently considering only the band 79-90 kHz for WPT for EV. CEPT membership is invited to provide further input to PTD for common contributions to the next meetings of WP1A and 1B in order to improve the distinction between WPT in general and WPT for EV in particular.

The meeting noted information from WG SE regarding a new work item on WPT for EV (INFO16).

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

## ECC-PT1

The Chairman of ECC PT1, Mr Steve Green (G), introduced CPG(17)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.

CPG confirmed that one of the tasks of ECC PT1 is to develop and send agreed CEPT contributions to ITU‑R Task Group 5/1 in accordance with the ECC Working Methods.

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

WRC-19 Agenda item 1.13 - IMT 2020/5G

The CEPT Coordinator, Mr Robert Cooper (G), introduced the draft Brief on Agenda item 1.13 in ANNEX IV-13 to CPG(17)006.

CPG considered the proposed amendments in the list of actions and agreed that the first action had been completed. In consequence, this action was deleted. The other proposals were accepted.

Document CPG(17)009 proposed additional text highlighting the need to take into account the use of existing and possible future deployment of FSS Earth stations in the preliminary CEPT position. It was noted that this text was consistent with the RSPG Opinion on spectrum related aspects for next-generation wireless systems (5G). However, it was also noted that this aspect of the RSPG Opinion was directed at the harmonisation of the 24.25-27.5 GHz frequency range, although the FSS allocation is limited to the band 24.65-25.25 GHz. CPG therefore made a more general change to the preliminary CEPT position so that the studies would take into account the future development of all existing services in-band and adjacent to these frequency bands.

The reference to the CEPT Roadmap on 5G was updated. Since the Roadmap is reviewed and updated at each ECC meeting it was agreed to use a dynamic reference to the CEPT web page where the latest version of the Roadmap is made available.

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

Statement by Sweden and Lithuania

Sweden and Lithuania do not agree on the current CEPT position on Agenda item 1.13, in relation to the development of future FSS systems.

According Radio Regulations IMT and FSS in frequency band 24.65-25.25 GHz have the same primary status, but according to the CEPT roadmap for 5G and RSPG opinion on 5G the frequency band 24.25-27.5 GHz has a clear priority within CEPT for studies, with an aim to harmonize the band for IMT. Protection of future FSS service will create uncertainty in rolling out of IMT (5G) networks. It is not clear how the future developments of the FSS services could be taken into account in the studies.

It is our understanding that the inclusion of the additional text aims to protect the installation of future transmitting satellite earth station on national territories. However this issue is totally within the responsibility of the national administrations.

Statement by Russian Federation

The Russian Federation is of the view that in the band 24.65-25.25 GHz protection of future deployment of FSS ES from IMT systems could not be achieved in practice and therefore the Russian Federation could not support draft CEPT position on AI 1.13 regarding this issue.

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

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(17)006.

The meeting amended the preliminary CEPT position, reflecting the need to study GSO and non-GSO satellite systems, the additional information in the background, and the list of relevant documents.

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 CPG(17)006.

ECC PT1 had not proposed any changes to the draft CEPT Brief. CPG decided to remove the letters “TBD” from the preliminary CEPT position.

Document CPG(17)007 on protection of the aeronautical telemetry system from IMT system in the 1 427-1 518 MHz frequency band was introduced by Ukraine. Ukraine highlighted that this contribution is related to Section 6.2 of draft CEPT Brief on Agenda Item 9.1 issue 9.1.2, with respect to position of the RCC Administrations.

The issue was concluded to be formally outside the scope of CPG. However, it could be considered within the work on this frequency band in ECC PT1. The contribution was therefore forwarded to ECC PT1 for action, e.g. the development of guidance for cross-border coordination between the IMT and aeronautical telemetry systems in countries listed in No 5.342.

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 is of the view 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.

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

In absence of the CEPT coordinator, the Chairman of ECC PT1 introduced the draft Brief on Agenda item 9.1 - issue 9.1.8 in ANNEX IV-21H to CPG19(16)015.

The meeting agreed on the proposed amendments.

The ECC PT1 Chairman recalled the discussion under Agenda items 1.11 and 1.12 and the requirement to ensure consistency between the CEPT Brief on issue 9.1.8 and the CEPT Briefs on AIs 1.11 and 1.12. In this regard, it was noted that the options for harmonisation in the preliminary CEPT position on issue 9.1.8 do not currently align with the options described in AIs 1.11 and 1.12. ECC PT1 is tasked to take this into account in future developments of the draft Brief.

It was indicated that ECC PT1 should consider contributions also to ITU-R WP1B and WP5A for non-IMT machine type communication (MTC) technologies in accordance with AI 9.1 issue 9.1.8. In that regard, CPG invited ECC PT1 to cooperate also with SRD/MG, as appropriate.

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

## Correspondence Group on FSS Criteria

As decided by CPG19-2, a Correspondence Group (CG) under the chairmanship of the CPG Vice-Chairman, Mr Alexandre Vallet ([alexandre.vallet@anfr.fr](mailto:alexandre.vallet@anfr.fr)), took place between CPG19-2 and CPG19-3.

Document CPG(17)010 presenting the results of the CG on FSS protection criteria was introduced by the Vice-Chairman of CPG and the draft of a possible CEPT contribution was further discussed during a drafting session. This resulted in a revised version of the possible CEPT contribution contained in ANNEX VI-05. The meeting agreed that the result is not mature enough for final approval and decided to continue the work through the CPG reflector ([cpg@list.cept.org](mailto:cpg@list.cept.org)) based on ANNEX VI-05. Since the deadline for submissions of documents to WP4A is on 26th April 2017, those discussions will end no later than 19th April 2017, to let administrations review and make their decisions regarding the final submission of the document.

France informed the meeting that in case it is not agree to a CEPT contribution, administrations are invited to co-sign a multi-country proposal.

During the consideration of the possible CEPT contribution, consensus emerged about the methodology to be used to derive the short-term protection criteria for FSS Earth stations. However determining the values of these criteria require the knowledge of representative FSS link budgets, from which the agreed methodology can be applied.

Therefore CEPT administrations and their FSS operators are invited to provide such representative link budgets through the CPG reflector.   
Furthermore, CPG agreed to contact the chairman of ITU-R WP4A so that he issues a similar call in advance of the next WP4A meeting.

The current draft contribution on FSS criteria can be found in ANNEX VI-05.

# Information on the preparations towards PP-18

The meeting noted the information provided by ComITU (INFO17) and reiterated the conclusion by ECC that ECC representatives should contact ComITU representatives to help respond to the questionnaire for the Radiocommunication Sector. This is also a matter, which may also request actions from CPG regarding the preparation of RAG meetings.

# Preparation RAG-17

Similar to the preparations for the 2016 session of the RAG, the CEPT positions for the 2017 RAG meeting will be coordinated through the CPG RA-RAG reflector ([ra-rag@list.cept.org](mailto:ra-rag@list.cept.org)) and, if necessary, at a CEPT coordination meeting held during the lunch break of Wednesday 26th April.

Interested CEPT delegates are invited to register to the email reflector that can be found on the CPG webpage: <http://www.cept.org/ecc/groups/ecc/cpg/> in the section called “E-mail reflectors and related documents”.

# 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 ADM15R1.

# Date and Place of next CPG/PT meetings (including timing 2019)

The following meetings of the CPG are scheduled:

|  |  |  |
| --- | --- | --- |
| Meeting: | Date: | Country: |
| CPG19-4 | 4th - 7th July 2017 | [TBD] |
| CPG19-5 | 08th - 11th January 2018 | [TBD], Hungary |
| CPG19-6 | 26th - 29th June 2018 | [TBD], Finland |
| CPG19-7 | October 2018 | [TBD], The Russian Federation |
| CPG19-8 | May 2019 | [TBD] |
| CPG19-9 | 27th - 30th August 2019 | [TBD] |
|  | | |

The Chairman informed the meeting that the July meeting (CPG19-4) still needs a host. There are current efforts to solve the issue and the CPG is going to be informed accordingly.

The meeting discussed the precedent of late documents provided to this meeting and concluded the need for a fixed deadline for all future meetings. The deadline is the Monday prior to the CPG meetings at 18:00 (UTC) and will be provided in the invitations and on the website, as reminder.

# Any other business

The meeting acknowledged with regrets the departure of Ms Stella Lyubchenko from CPG activities and recognised her valuable assistance supporting the CPG.

# Approval of the minutes oF CPG19-3

The minutes of #3 meeting of CPG19 have been adopted as given in CPG(17)011.

# Closure of the meeting

The Chairman thanked all participants and observers for their cooperation and their willingness for compromise. He was also grateful to the Austrian administration for its invitation and the excellent way they organised the meeting in particular Mr Florian Cziczatka. Furthermore, he thanked the CPG PT Chairmen, the CPG secretary and all CEPT coordinators, which had a major part of the responsibility in the successful outcome of this meeting. With that he wished all participants a safe journey back home.

The Chairman then closed the meeting of CPG19-3.