

**10th Executive Committee Meeting of the
IEA Technology Collaboration Programmes for
Co-Operation on Tokamak Programmes (TCP-CTP)**

Draft Minutes

**ITER HQ, France, Thursday 12th December 2019
(13:30-15:30) (13:30-15:15)**

Participants: Luo Delong (China), Yalan Zhu (China), Charles Greenfield (US), Lars-Göran Erikson (EU), Jin Yong Kim (South Korea), Duarte Borba (EU), Jong-Gu Kwak (South Korea), Shunsuke Ide (Japan), Arlee Tamman (Thailand), Thawatchai Onjun (Thailand), Tony Donn  (EU-Chair), Rajesh Maingi (US)

0. Welcome

Tony Donn  (Chair) welcomed the participants to the 10th Executive Committee Meeting of the IEA Technology Collaboration Programmes for Co-Operation on Tokamak Programmes (CTP-TCP ExCo). The Chair welcomed Arlee Tamman and Thawatchai Onjun from Thailand which participated in the meeting as observers, following acceptance of the request from Thailand to participate in the meeting.

1. Approval of the Agenda, the Minutes of the last meeting and review of the list of Actions.

The Agenda and the minutes of the previous meeting were approved. The Secretary added that all pending actions were completed or included in the meeting agenda.

Decision: The IEA TCP-CTP Executive Committee approved the minutes of the 9th Meeting in December 2018 "Agenda Point 1 - 9th IEA TCP-CTP Meeting Minutes Version 2 18-Feb-2019"

2. Accession of new parties to the CTP-TCP

The Chair added that the discussions with Thailand regarding the participation in the CTP-TCP have continued and that participants from Thailand have been invited to participate in the CTP-TCP ExCo and the Fusion Power Programme Committee (FPPC). Following an exchange of

e-mails with the IEA secretariat, it was possible to invite observers from Thailand to this meeting. However, no formal vote was taken at the meeting regarding the participation of Thailand in the CTP-TCP, since some members require authorisation from their respective organisation before voting on this matter.

Action on all Members to get authorisation from the respective authorities to vote on the possible invitation to Thailand to join the CTP-TCP.

Regarding the discussions with Russia, the Chair stressed that there are still no good contacts with the Russian Ministry of Energy and that a letter was sent but there was no response; but that Russia becoming a member of the CTP-TCP would still be in the wish list.

3. & 4. Reports on the completed workshops and personnel assignments for 2019 and Proposals for workshop, personnel assignments, and remote participation 2020

Duarte Borba (EU), Luo Delong (CH), Shunsuke Ide (JP), Charles Greenfield (US), Jong-Gu Kwak (KO) and Tim Luce (ITER-IO) presented the Reports on EU, CH, JP, US, KO and ITER-IO personnel assignments for 2019 and proposals for personnel assignments for 2020 respectively.

In the discussion, it was highlighted that the assignments regarding the collaboration of DIII-D with Japan were cancelled due to scheduling mismatches. Charles Greenfield (US) stressed that if there is a problem regarding these assignments, these can be fixed.

The rules agreed regarding the preparation of these lists were highlighted in that exchanges should be mentioned for information even if not done exclusively under the CTP-TCP Agreement.

Decision: The IEA TCP-CTP Executive Committee adopted the Personnel Assignment reports for Jan. 2019 – Dec. 2019 and endorsed the proposals for personnel assignments, and remote participation in 2020.

Regarding the Annual Workshop on Disruptions, there is the proposal to combine it with the IAEA meeting and host it under the IAEA, but it was added that this still needs to be confirmed.

5. Report from the IEA Secretariat (All)

Tony Donné presented the report from the IEA Secretariat, since an IEA representative was not able to attend the meeting. The report covered the 3rd TCP Universal Meeting, the current and prospective TCP participation, new TCP Communications Strategy, modernisation of the TCP Legal Mechanisms, the Today in the Lab – Tomorrow in Energy? Initiative and the FPCC 2020 meeting and reporting deadlines.

It was remarked that the CTP-TCP link in the IEA power point presentation is broken.

The IEA TCP-CTP Executive Committee took note of the IEA Secretariat Report “Agenda Point 5 - CTP TCP 2019 ExCo IEA SEC Report”

6. Election of new Chair (All)

The Chair confirmed that following recent discussions, China is able to take the Chair next year and it was suggested to start the new term from March 2020 for a period of 3 years.

Decision: The IEA TCP-CTP Executive Committee unanimously approved the election of Lou Delong (China) as Chair of the IEA TCP-CTP Executive Committee from 1st March 2020 for a period of 3 years.

7. Discussion of annual report (All)

Regarding the preparation of the annual report, the Secretary informed that the CTP-TCP report is due on 20th December 2019. It was agreed that all members would provide their contributions as soon as possible and that the final draft will be distributed for comments.

8. Today in the Lab – Tomorrow in Energy?

It was confirmed that the Energy Technology Initiatives publication has been discontinued and replaced by a new initiative “Today in the Lab – Tomorrow in Energy?”. It was added that the CTP-TCP have prepared 3 possible contributions for this initiative on: JET TAE Amplifier and Control Upgrade (Agenda Point 8 - Annex I - Today in the Lab Tomorrow in Energy - 1 page TAE), Event Detection Intelligent Camera (EDICAM) for the JT-60SA Tokamak (Agenda Point 8 - Annex I - Today in the Lab Tomorrow in Energy - 1 pager Edicam) and JET Shattered Pellet Injection for Disruption Mitigation in ITER (Agenda Point 8 - Annex I - Today in the Lab Tomorrow in Energy - 1 pager SPI).

9. Further discussions on any outstanding issues (All)

Regarding the question on the remit of the CTP-TCP activities, the Chair clarified that the Topics covered are related to the ones covered by the International Tokamak Physics Activities (ITPA).

Date of the next meeting

It was agreed to continue, if possible, to align the CTP-TCP ExCo meeting with the ITPA-CC meeting.