

**Minutes of 2<sup>nd</sup> Executive Committee meeting in Aix-en-Provence, France, 15<sup>th</sup>  
December 2011**

**Attendance**

Myeun Kwon (Chair, KO), Duarte Borba (Secretary, EU), Steve Eckstrand (US), Ruggero Giannella (EU), Jong-Gu Kwak (KO), Yutaka Kamada (JP), Woong-Chae Kim (KO), Masahiro Mori (JP), Kouji Shinohara (JP), Michiya Shimada (ITER-IO), Raghvendra Singh (IN), Mickey Wade (US), Randy Wilson (US).

**Approval of the Agenda**

The Agenda was adopted

**IA-CTP Membership Status**

India has joined the IA-CTP in April 2011. China and Russia have been invited to join. The ascension of China is pending internal approval and the ascension of Russia is under discussion.

Since a framework for collaboration between ITER and other Tokamaks is needed, the ITER participation in the CTP-IA was discussed in previous occasions. The ITER DG supports ITER joining the CTP but this is being checked by the ITER legal office. There is also the need to check with the IEA legal office the possible participation of ITER in the CTP-IA.

**Executive Committee Membership**

The Executive Committee Membership list was checked and revised. The delegations from the US and Korea updated their membership list and sent a revised version of the Executive Committee Membership to the Secretary.

**Table: Revised Executive Committee Membership**

<b>Name</b>	<b>Delegation</b>	<b>E-mail Contact</b>	
Francesco Romanelli	EU	francesco.romanelli@jet.efda.org	Member
Ruggero Giannella	EU	ruggero.giannella@ec.europa.eu	Member
Duarte Borba	EU	duarte.borba@efda.org	Alternate
Hartmut Zohm	EU	hartmut.zohm@ipp.mpg.de	Alternate
Predhiman Krishan Kaw	IN	kaw@ipr.res.in	Member
R. Jha	IN	rjha@ipr.res.in	Member
Masahiro Mori	JP	mori.masahiro02@jaea.go.jp	Member
Yutaka Kamada	JP	kamada.yutaka@jaea.go.jp	Member
Yoshihiko Koide	JP	koide.yoshihiko@jaea.go.jp	Alternate
Kouji Shinohara	JP	shinohara.koji@jaea.go.jp	Alternate
Naoyuki Oyama	JP	oyama.naoyuki@jaea.go.jp	Alternate
Jong-Gu Kwak	KO	jgkwak@nfri.re.kr	Member
Yeong-Kook Oh	KO	ykoh@nfri.re.kr	Member
Jin-Yong Kim	KO	jykim@nfri.re.kr	Alternate
Woong-Chae Kim	KO	woong@nfri.re.kr	Alternate
Steve Eckstrand	US	steve.eckstrand@science.doe.gov	Member
Randy Wilson	US	jrwilson@pppl.gov	Member
Earl Marmar	US	marmar@psfc.mit.edu	Alternate
Punit Gohil	US	gohil@fusion.gat.com	Alternate
Mickey Wade	US	wade@fusion.gat.com	Alternate

### **Review and Approval of the minutes from the previous meeting.**

The chairman reviewed the minutes from the previous meeting and the minutes were adopted.

### **Reports on the Completed Workshops and Personnel Assignments for Jan. 2011 – Dec. 2011**

The Workshop and Personnel Assignments reports were presented by the different parties and adopted.

### **Proposals for Workshop and Personnel Assignments and Remote Participation for Jan. 2012 – Dec. 2012**

The proposal for Workshops and Personnel Assignments were presented by the different parties and adopted with the following comments. The proposals for experiments in DIII-D should be put forward through the respective experiments forum. It was also clarified that the proposals for exchange of personnel from KO to JP will be conducted under a bilateral agreement not through the CTP-IA. The

references to the task numbers in some of the reports were clarified as referring to the list of tasks in the CTP agreement. Regarding collaborations with India, it was stated that collaborations with JET are in preparation and that some other collaborations with the EU are already taking place, such as collaborations with the TCV Tokamak. The legal framework for these ongoing collaborations will be clarified and the respective input documents regarding the collaborations carried out under the CTP-IA will be submitted to the Executive Committee as appropriate.

Regarding the workshops planned for 2012, it was commented that it is difficult to organise further workshops in even years in addition to the already planned joint experiments workshop in Cadarache in December 2012. Nevertheless, it was suggested to organise a workshop on ELMs in 2013.

### **Discussion on the Annual Progress Report (January 2010 to December 2011) of the Executive Committee**

A draft annual report was presented, and commented by the different parties. A number of comments and suggestions were made, including the suggestion to add a reference to the stellarator IA and emphasise the co-ordination of the programme towards ITER in co-operation with other agreements.

The draft report will be further discussed and it will be approved by e-mail within a couple of weeks following the executive committee meeting. The FPCC meeting will take place on 20<sup>th</sup> January 2012 in Paris. The submission of the report to the FPCC is due at the end of December 2011.

### **Request for Extension (5 years)**

The Chair made a presentation on the process for the CTP-IA 5 year extension request. The 6 year report, the 5 year strategic plan and the criteria questionnaire table need to be finalised by the end of December; and the preparation of these documents were discussed at the meeting. A number of comments were collected and the secretary will implement them and circulate them for approval by e-mail. These include the need to update the documents to reflect the fact that India has joined in April 2011, therefore, a description of the Indian fusion programme is required. Also, an explanation for the

closure of the tasks as it was agreed in 2010 is needed. The changes regarding the fact that the new CTP-IA has replaced the LT-IA need to be incorporated. The report from each party needs to be updated taking into account this year's (2011) report.

The answers to the questions on the criteria table need to be finalised. The Chair and the Secretary will finalise draft answers with the help of the Executive Committee members, which will prepare a draft answers according the following allocation. Draft answers to questions A and B will be prepared by Europe; C and D by the US; E and F by Japan; G and H by India; and I and J by Korea. The length of the answers depends on the relevance of the questions, and some of the questions are not relevant to the CTP-IA. It was clear, however, that an extension of 5 years in support of ITER; a long term project should be easy to justify. The justification for the 5 year extension was discussed in a previous meeting in May 2010 and Masahiro Mori will provide a document to all members that include draft answers to the questionnaire. The answers are not complete, but this draft document is a good starting point. It was also clarified that the CTP-IA was extended to the end of June 2012; therefore, an extension is required at the beginning of 2012. The 5 year Work Plan will need also, a reference to the DEMO programme. Jong-Gu Kwak will provide a text on DEMO for the 5 year Work Plan. The description should not be too detailed, since each party has each own specific DEMO road map. This input should be provided by Wednesday 21<sup>st</sup> December 2011.

### **Further discussions on any outstanding issues**

### **Migration of the web-page and responsibilities.**

The CTP-IA implementing agreement website is now under the responsibility of the EU and it will be hosted at JET, Culham, UK. The new website will be available from January 2012.

### **Data access to the ITPA public data.**

A discussion took place on the data policy for the data from Tokamaks collected under CTP or other bi-lateral agreements. The data belongs to the Tokamaks, but it is proposed that the use of the data will be governed under the terms of the ITER agreement. It was agreed that Yutaka Kamada will distribute a draft document on this matter. This proposal will be submitted for consideration by the CTP-IA executive committee members. The proposal should provide the rationale for governing the ITPA data under the ITER agreement. In addition, the members of the CTP-IA will discuss this matter with the legal experts.

### **Discussion on time and place of next meeting**

A proposal was made to have the ITPA Coordinating Committee Meeting, the CTP-ITPA Planning Meeting for Joint Experiments (JEX) and the Executive Committee Meeting of CTP-IA in 3 days, instead of 4 days. This proposal was accepted and the date of these meetings was provisionally agreed for the 10-12 December 2012 in Cadarache. This to be confirmed after the confirmation of the date of the ITER summer school in India in December 2012.

### **Chairman's term of office**

Steve Eckstrand (US) was elected the new chair for the one year term of 2012.

## **Summary of the Actions and Decisions**

*Short term actions in preparation of the FPCC meeting in January 2012:*

- Finalise the Annual Report 2011.
- Finalise the documents required for the 5 year extension request, namely, the 6 year report, the 5 year strategic plan and the criteria questionnaire table.
  - Jong-Gu Kwak to provide a text on DEMO for the 5 year Work Plan.

*Long Term Actions:*

- Check with IEA legal office the possible participation of ITER in the CTP-IA.

*Decisions:*

- Steve Eckstrand (US) was elected the new chair for the one year term of 2012.
- It was agreed to have the ITPA Coordinating Committee Meeting, the CTP-ITPA Planning Meeting for Joint Experiments (JEX) and the Executive Committee Meeting of CTP-IA in 3 days, instead of 4 days.