

**IEEE P2814 Working Group Meeting**  
**Minutes**  
**26 Jun 2020 / 1:00 PM –2:00 PM (GMT + 1)**  
**Teleconference**

<https://ieeesa.webex.com/ieeesa/j.php?MTID=m4beed60546158e326e17b984b32efea9>

*Minutes Recorded by Michael Sanders, WG Secretary*

**1. Call to Order**

The meeting was called to order at 1:05 PM (GMT+1) by the Working Group Chair, C. S. Lai.

M. Sanders determined there was a proper quorum of voting members (5 out of the 9 members were present).

Apologies sent by S. Browning for having to miss the meeting.

**2. Roll Call of Individuals & Declaration of Affiliation**

Affiliation FAQs: <http://standards.ieee.org/faqs/affiliation.html>

**3. Approval of Agenda**

C. S. Lai asked for approval of the agenda, and it was affirmed.

**4. IEEE Patent Policy**

a. Call for Patents

<https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf>

The call for patents was raised. There were no questions or concerns.

**5. Approval of the minutes of the last meeting**

D.Xiao Wang requested that the minutes from the last meeting be approved.

J. Camillieri seconded that, and there were no objections.

**6. Comments on Presentation**

*Slide 1 – Slide 6 Introduction/Agenda/ etc.*

No comments

*Slide 7 – Scope Statement*

No comments

*Slide 8 – Structure of Standard*

*No comments*

*Slide 9 – Time Scale and Energy System*

C.S. Lai explained in further detail the purpose of the standard proposal, as techno-economics is difficult to address in this sector. In previous attempts, the system was 'easier' to model, but now with more types of generation sources, this ability to integrate the techno-economic aspect is becoming more difficult.

There were no further comments.

*Slide 10 – TEA Framework for P2814*

(TEA = Techno-Econometric Approach)

Loi Lei Lai commented that it is essential to have experimental results for economics, but it is difficult to do. But, there is the need to carry out real testing with data so as to be able to compare theoretical vs reality.

John Camilleri commented that the group should reach out to experts to discuss the details of the (a) economic approach. Also, he would like to see more description on the output section

Z.Dong commented that maybe a market analysis should be added to the output, as those play in financials/economics discussion.

Dong Xiao Wang commented that VPP's (virtual power plants) play in this area as well, and he thinks there are existing studies to provide data.

*Slide 11 Input Section*

C.S Lai went thru more details of each line; Noted that current cost types are relatively simplified as to fixed/variable costs. However, need (for example) a decommissioning costs for large scale items. Overall, cost items should be more detailed.

Loi Lei Lai noted that IEEE society TEMS (Technology, Engineering, Management) might have resources that the group can leverage.

*Slide 12 Methodology*

*No comments from members*

*Slide 13 Output*

Key point is to have technical and econometric metrics.

Dong Xiao Wang commented that a ROI metric needs to be added.

*Slide 14 Case Studies*

Idea is to make it easier for practitioners to use information. There were no other comments on this slide.

*Slide 15 Status*

PAR Dates – no other comments

*Slide 16 Tasks*

Need to begin the data collection

Recommend an economic expert to validate case studies

No other comments

**7. Adjournment:**

Haibin motioned to end the meeting at approximately 1:50pm. No Objections

**8. Appointment of Officers**

a. Vice-Chair It was noted that Dr DongxiaoWang has accepted the position of Vice-Chair.

**9. AOB**

None

**10. Future Meetings**

Although not set yet, next meeting will most likely be in August. C.S. Lai will send out a no-

tice of the next meeting.

## Attendees

Last Name	First Name	Affiliation
Lai	ChunSing	University of Leeds
Sanders	Michael	Salt River Project
Lai	Loi Lei	Guangdong University of Technology
Wang	Dongxiao	Australia Energy Market Operator (AEMO)
Zhu	Hai Bin	Nipissing University
Dong	Zhou Yang (Joe)	University of New South Wales
Camilleri	John S.	PSC North America
Dong	Daoyi	University of New South Wales