



**Asia-Pacific
Economic Cooperation**

2017/SOM3/SCSC/JRAC/002

Agenda Item: 5

Minutes of the 21st Joint Regulatory Advisory Committee on Electrical and Electronic Equipment Meeting

Purpose: Consideration
Submitted by: JRAC Chair



**22nd Joint Regulatory Advisory Committee on
Electrical and Electronic Equipment Meeting
Ho Chi Minh City, Viet Nam
20 August 2017**



**Asia-Pacific
Economic Cooperation**

**APEC SUB-COMMITTEE ON STANDARDS AND CONFORMANCE (SCSC)
21st JOINT REGULATORY ADVISORY COMMITTEE (JRAC) ON ELECTRICAL AND
ELECTRONIC EQUIPMENT MEETING**

18-19 August 2016, Lima, Peru

INTRODUCTION

1. The twenty first meeting of the Joint Regulatory Advisory Committee on Electrical and Electronic Equipment (JRAC) was held on 18-19 August 2016 in Lima, Peru at the 4th Floor, Paraiso Room, Lima Convention Center. The two-day event comprises of the following activities:-

- i. Day 1- Internal Seminar for JRAC Member Economies.
- ii. Day 2 – JRAC Main Session Meeting.

2. The Meeting was chaired by Dr Ki-Seuk LEE from Republic of Korea, the Director of Global Certification Cooperation Center, Certification Business Division of Korea Testing Laboratory (KTL). The Secretary for the meeting is Mr Mohd Elmi Bin Anas from Malaysia, the Director of Electrical Safety Regulation of Malaysian Energy Commission.

3. The first day of event was attended by representatives from Korea, Malaysia, Chile, Japan, Papua New Guinea, Peru, Philippines, Chinese Taipei, Thailand, IEC and Asia Pacific Laboratory Accreditation Cooperation (APLAC) while the second day event was attended by all above representatives except for Japan.

4. Australia, Brunei Darussalam, Canada, China, Hong Kong China, Indonesia, New Zealand, Russia, Singapore and Viet Nam did not send a representative attending the meeting.

OPENING REMARKS

5. The twenty first Meeting JRAC Chairman (Republic of Korea) welcomed all delegates to the meeting in Lima, Peru. The JRAC Chairman expressed his grateful to Chile, Korea and other economies who will be sharing issues and solutions in this meeting. The JRAC Chairman extended his thank to a special guest, Mr Dennis Chew from IEC for attending the meeting and also to Mr Mohd Elmi Anas who is representing ASEAN for sharing development and ideas to benefit all members of meeting.

6. The JRAC Chairman continued his speech and thanked Peru for providing wonderful venue, manpower and resources as well as the hospitality and hosting the meeting. All members give big hand to the host as a sign of appreciation.

7. The JRAC Chairman congratulated Japan for being a successful leadership and chairman of the 20th JRAC meeting in Cebu, Philippine last year as well as providing good advice to all members. The JRAC Chairman also express his appreciation to Mr Akifumi Fukuoka, the steering committee and APEC Secretariat for all the tremendous job and work done in the preparation of the meeting. The JRAC Chairman thanked Malaysia for being the Secretary of the 21st JRAC meeting and will be taking notes of the meeting. On that note, the JRAC Chairman reminded all member economies to submit their comments and presentation to the Secretary through following emailing address; elmi@st.gov.my and copied to the APEC Secretariat (af@apec.org;) as well. He further wished everyone a fruitful meeting and an enjoyable stay in Peru.

APPROVAL OF AGENDA OF MEETINGS

8. The JRAC Chairman informed members of the meeting that there will be a slight amendment to the agenda whereby it needs to be renumbering. The agenda needs to be reorganized due to last minute cancellation of the first presentation by Peru which was supposed to be presented by Ministry of Production.

9. The APEC Secretariat pointed out that there is an error under Agenda 14 where the minutes of meeting should be referred to 20th meeting instead of 21st APEC JRAC Meeting.

10. The meeting took note on the correction and approved the agenda of the meeting.

DAY 1: INTERNAL SEMINAR FOR JRAC MEMBER ECONOMIES

AGENDA ITEM 1: Presentation by China- China's Current Status of Mutual Recognition Agreement (Signed with New Zealand and Korea) and Future Plans

11. Representative from China was absent and there was no presentation delivered by China.

AGENDA ITEM 2: Presentation by Representative from ASEAN - ASEAN EE MRA (Objective, Status and Future Plans)

12. The meeting welcomed Mr Mohd Elmi Anas, Head of Malaysian delegation in Joint Sectoral Committee for Electrical and Electronic Equipment (JSC EEE) meeting who shared and presented on behalf of ASEAN Secretariat the followings topics:-

- a) Roadmap of ASEAN to ASEAN Economic Community(AC)
- b) ASEAN Economic Community-Strategic Schedule of the AEC Blueprint (2008-2015)
- c) ASEAN Consultative Committee For Standards and Quality (ACCSQ)
- d) Scope and Structure of ACCSQ
- e) ASEAN Single Market and Production Base for Electrical and Electronic Equipment
- f) Joint Sectoral Committee for Electrical and Electronic Equipment (JSC EEE)
- g) Scope of ASEAN EE MRA/AHEEERR
- h) Check list for Participation in ASEAN EE MRA
- i) Testing Laboratory and Certification Body
- j) AHEEERR principle and Certification System
- k) How to Realize AHEEERR
- l) Progress of ASEAN EE MRA as of May 2016

13. The slide presentation appears as document number 2016/SOM3/SCSC/JRAC/002.

AGENDA ITEM 3: Presentation by IEC – Utilization of International standards, membership, benefits and new IEC programs (standardizations and conformity assessment – smart city and IECEE & IECQ joint LED certification)

14. The meeting welcomed Mr Dennis Chew, Regional Director, Asia-Pacific Regional Centre(APRC) International Electrotechnical Commission (IEC) who present updates and new development in IEC on following topics which can be summarised as follows:-

- a) IEC Offices
- b) Types of Participation
- c) IEC Structure
- d) SEG Low Voltage Direct Current
- e) SEG Non-conventional Distribution Network/microgrids
- f) SyC Smart Energy
- g) SyC Active Assisted Living
- h) SyC Smart Cities
- i) World Smart Forum
- j) Advisory Committees & Strategic Groups
- k) Public Commentings – New services, Process User (NC)
- l) IECEE Website
- m) IEC Standards operated by the IECEE
- n) IEC 60950-1:2005

15. The slide presentation appears as document number 2016/SOM3/SCSC/JRAC/0014

AGENDA ITEM 5: Presentation by Chile – Product Certification in Chile

16. The meeting welcomed Mr Jaime Gonzalez Fuenzalida representative from Gobierno de Chile who present about product certification in Chile on following topics and can be summarised as follows:-

- a) Republic of Chile
- b) Certification of Products in Chile
- c) Participation in the Certification System
- d) Certification System
- e) Steps to Obtain a Technical Regulation (Protocol)
- f) Market/Total Products/Actor
- g) Challenges
- h) How to Know What is Happening with Some Products in the World
- i) Complaints, Alerts and Accident of Products
- j) How to Incorporate New Products to Regulation
- k) Risk Assessment Methodology
- l) How to Differentiate Safe Product from Others
- m) Order
- n) SEC Stamp
- o) Labelled SEC (Stamp with QR Code), Examples
- p) SEC Stamp with QR Code (certification Validation)
- q) How to increase Testing Lab Capabilities
- r) Number of Electric Product Laboratories Around the World
- s) Requirement for Foreign Testing Lab

- t) How to Increase the Complain in Certification
- u) Evolution of Global Market Coverage
- v) Changing Behaviour through Sanction
- w) How to Use Foreign certification Process
- x) One Certifications
- y) Differences in System Certification

17. The slide presentation appears as document number 2016/SOM3/SCSC/JRAC/0012

AGENDA ITEM 6: Presentation by Korea – Korea’s Operation on Electrical and Electronic Equipment Regulations and Conditions for Mutual Recognition

18. The meeting welcomed Mr Bum Jong Kim representative from Korea Testing Laboratory(KTL) who presents on Korea’s operation on electrical and electronic equipment regulations and condition for mutual which can be summarised according to following topics:-

- a) Korea Safety Certification Scheme
 - Safety Management Rules
 - Safety Certification
 - Certification Classification
 - Changes in the System
 - Certification Procedure
 - Safety Confirmation
 - Comparison of safety Management System
- b) Post –market Surveillance
- c) EEE Mutual Recognition

19. The slide presentation appears as document number 2016/SOM3/SCSC/JRAC/003

AGENDA ITEM 7: Questions, Comments and Discussion

20. The JRAC Chairman sought for clarification from the representative of Korea whether there is a way member economies can be recognised although they are not participating in IECEE CB Scheme. Representative from Korea explained that the member economies can be recognized if they sign MoU or MRA between two countries.

21. Representative from Korea admitted that ASEAN have done well in their implementation of MRA however he wonder how many times the Joint Sectoral Committee for Electrical and Electronic Equipment (JSCEEE) meeting take place and meet every year. ASEAN representative explained that the meeting will be held twice a year and the hosting country will be decided base on alphabetical order. The Chairman and Co-Chair will also be selected according to alphabetical order and the secretary of the meeting will be the ASEAN Secretariat. The meeting will be held for three days and sometimes an extra days will be allocated prior and back to back to the meeting for special seminars/presentation such as cooperation with International partner with US, EU-ARISE, METI-Japan JBMIA and etc. The meeting will discuss a lot of matters pertaining to the progress of the implementation of Agreement on the ASEAN Harmonised EEE Regulatory Regime (AHEEERR) and ASEAN EE MRAs well as updating latest development in each country. Some of other activities includes listing of CAB under ASEAN EE MRA, ratification and transposition of AHEEERR into national legislation of member states, harmonisation of regulating requirements, development of information booklet and etc.

22. Representative from Korea also asked how differences and difficulties due to different regulations in each country is resolved. Representative from ASEAN admitted that there are a lot of difficulties faced during the process. Despite the long discussion, the JSCEEE is the most advanced committee compare to other committee set up in term of development of MRA. Representative from Philippines agree that there are a lot of difficulties and disagreement, however the issues and problem will be discussed and compromise until the issue resolved.

23. The JRAC Chairman sought for clarification on how ASEAN MRA recognised some AMS member such as Myanmar which is not a member of IECEE through utilisation of IEC Standard. ASEAN representative respond that under the ASEAN EE MRA all AMS have agreed to used IEC Standard and therefore they have to accept it although they are not member of IECEE. Representative from Thailand added that AMS such as Myanmar, Brunei and Lao PDR do not regulate EEE product and do not have Act and Regulation. Therefore these country can accept all EEE product into their country.

24. Representative from Chinese Taipei who is also from APLAC sought for clarification on how many of members economy have signed the ASEAN MRA. Representative from ASEAN reply that all ASEAN member have signed the agreement. Two country do not regulate EEE and therefore no need to transpose their Act or Regulation. The rest of AMS have transposed their regulation except one country which is still in the final stage of transposition of their law so as to realign with the Agreement.

25. Representative from Chinese Taipei also asked whether the laboratory under ASEAN MRA need to be a signatory member of APLAC. The ASEAN representative's mentioned that ASEAN MRA is implemented among ASEAN member only. Accreditation body should be among ASEAN member and therefore if the country is not a member of ASEAN, they are not accepted yet. Representative from Thailand added that under ASEAN MRA, if AMS do not have accreditation system in place in their country, they can accept accreditation body in other ASEAN country.

26. Representative from Japan would like representative from ASEAN to share the problems that encountered or faced by the Committee in implementing the ASEAN EE MRA noting that it will be implemented very soon. Representative from ASEAN explain that the ASEAN EE MRA should have been implemented in 2015, however there are still a lot of things and documents that need to be finalised. The committee still discussing matters pertaining to the safety aspect and have not start discussing matters on Environment and Electromagnetic Compatibility (EMC). As of now, it is not implemented yet as there are some country which have not fully transposed their Regulation in line with AHEEER requirements. Similarly there have been no product approval in AMS country using test report or certification under ASEAN listing yet.

27. Representative from Japan would like the ASEAN representative to explain step-by-step procedure by giving example of Malaysia case on how to accept test report and issuance of certificates. ASEAN representative explain that under ASEAN EEMRA, all AMS member mutually agree to accept test report and certification from the listed testing laboratory and listed certification bodies. Based on the presentation, there are 18 testing laboratory and 8 Certification bodies under the ASEAN listing as of now. He also described the process of listing of test lab and certification body through contestation process. While

under AHEEERR, 121 agreed IEC standard with agreed Edition on EEE product have been identified and listed. He also explained that, each AMS have been tasked and assigned to prepare a certain documentation or procedures. For example Malaysia was tasked to prepare a guideline on procedure for ASEAN market surveillance activities for EEE and also certification processes based on Type 5 and Philippines was tasked to prepare ASEAN EEE Risk Assessment guidelines. In response to question from Japanese representative on Factory audit, the ASEAN representative reply that the committee is still in the final stage of preparing a step by step process on implementation of Type 1B and Type 5.

28. Representative from Philippines congratulate IEC on the introduction of new services provided in IEC website which is on Public Commenting and seek information on how comments submitted by for example Philippines processed. IEC responded that public comments can be made through website where user can create account and login and sent their comments. The responsibility party is the national committee who will eventually decide whether to accept or not the comment made by public. On the other hand, this will create an avenue for public who are not involved with technical or working group to submitted comments. IEC representative mentioned that so far they have received a lot of comment from European country and on this note, seeking all members of meeting to spread around news about the facilities that have been developed by IEC.

29. Representative from APLAC seek clarification from IEC representative with regards to public comment whether the comment can be about IEC Standard only or it can be also about IEC CB Scheme. Representative from IEC responded that the comments is only for the draft IEC Standard. Representative from APLAC also asked about the MoU that IEC have with ILAC whether the MoU focus on IEC EE CB Scheme or also cover other scheme. IEC representative replied that the MoU cover only IEC EE CB Scheme.

30. Representative from IEC seek clarification from Chile with regards to risk assessment methodology whether there is any weightage assigned to each of the Local Parameter (LP) when computing the risk assessment. Representative from Chile answer that all parameters have same weightage.

31. JRAC Chairman asked representative from Chile whether certification body from foreign country can be accredited as certification body in Chile by SEC. The representative from Chile respond that for the moment, it is not possible for any foreign certification body to be accredited as certification body in Chile.

32. Representative from APLAC would like to know how many foreign testing laboratory already have an agreement with domestic Certification Body in Chile. Representative from Chile stressed that one domestic CB in Chile can have more than one agreement with foreign test laboratory. He also mentioned that currently in Chile there are 12 domestic CB on electrical sector and 10 CB in oil/gas sector.

33. Representative from IEC seek answer from Chile with regards to EE MRA whether they accept any testing laboratory which already participating in CB Scheme. Representative from Chile replied that at this moment they don't accept CB scheme. They accept testing laboratory which is accredited by Chile only. For example in the case of Korea where they issue CB test report and certificate which is recognised and accredited by Chile.

DAY 2: JRAC MAIN SESSION

AGENDA ITEM 10: Opening and Welcome by JRAC Chair 2016

34. JRAC Chairman welcomed all delegates to the second day of APEC JRAC meeting. He thanked representative from ASEAN, IEC, Chile and Korea who have shared and presented their material on the first day. He also thanked Peru for the preparation of the meeting and Japan for his excellent leadership as the chairman of APEC JRAC meeting in Cebu. In addition, the JRAC Chairman expressed his appreciation to APEC Secretariat for the excellence work in the preparation of the meeting.

AGENDA ITEM 11: Brief Self-Introduction of Attending members

35. All participants that attend the meeting introduce themselves. The meeting was attended by representatives from APEC Secretariat, Korea, Malaysia, Chile, Papua New Guinea, Peru, Philippines, Chinese Taipei, Thailand, IEC and Asia Pacific Laboratory Accreditation Cooperation (APLAC). JRAC Chairman informed that he had received apology from Singapore for not being able to attend the meeting in Lima, Peru.

AGENDA ITEM 12: Acceptance of the Draft Agenda

36. The agenda of the meeting was agreed to be accepted with changes on Agenda 14 by changing the minutes of the 21st APEC JRAC meeting to 20th APEC JRAC meeting.

AGENDA ITEM 13: Confirmation of JRAC Membership

37. APEC Secretariat updated the meeting on the APEC JRAC membership which consist of 19 members as indicated in the Terms of Reference of the meeting. He also informed the meeting that APEC JRAC committee is a sub-group of SCSC which act as a voluntary group. He further explained that United States and Mexico is not a member of APEC JRAC meeting.

AGENDA ITEM 14: Confirmation of the Minutes of the 20th JRAC Meeting by JRAC Chair

a) Updates on SCSC Priorities 2016 by SCSC Chair

b) Updates on the major updates of SCSC in 2016 by APEC Secretariat

38. The JRAC Chairman read through the minutes of the 20th APEC JRAC meeting and upon received no comments and objection by participating economy, he then approved and accepted the minutes of meeting.

The minutes appears as document number 2016/SOM3/SCSC/JRAC/004.

39. The SCSC's update in 2016 was presented by Mr Fukuoka and the summary of the report is as per document 2016/SOM3/SCSC/JRAC/005. The SCSC priorities 2016 was delivered by SCSC Chair Madame Rocio Barrios in the afternoon session.

AGENDA ITEM 15: Economy Updates

15(a) Members Update using Matrix Exchange of information

40. JRAC Chairman reminded that during last year APEC JRAC meeting, following members have present their economy updates i.e. Hong Kong (China), Indonesia, Japan,

Korea, PNG, Philippines and Chinese Taipei. JRAC Chairman requested that members who have not made an update during last year meeting, to present their update during this meeting. JRAC Chairman confirmed that he has received economy updates from Chile, Hong Kong (China), Japan, Philippine, Singapore, Chinese Taipei and Malaysia. JRAC Chairman announced that he received materials on economy update from Hong Kong, China and Singapore however both of the members do not attend the meeting.

41. The economy update was presented by economy members starting with presentation from Chile followed by Philippines, Chinese Taipei and Malaysia. The presentation material for all the economy update are as per document bellows:-

Chile	-	2016/SOM3/SCSC/JRAC/011
Philippines	-	2016/SOM3/SCSC/JRAC/013
Chinese Taipei	-	2016/SOM3/SCSC/JRAC/010
Malaysia	-	As per slide presentation

42. Representative from Thailand, in respond to JRAC Chairman enquiry on new status of Conformity Assessment System, updated her latest development with regards to outsourcing of CAB known as Inspection Body (IB) by the Thai Industrial Standards Institute (TISI) to private sector to conduct Factory Audit. This move was undertaken due to heavy work load faced by TISI recently. As of today, TISI have designated 14 Inspection Bodies to conduct factory audit. In order to be designated as an Inspection Body, they need to obtain certificate complying ISO/IEC 17020.

15(b) The Chair to take stock of the progress in implementing the EE MRA (Update status participation in Part I, II and III)

43. JRAC Chairman reconfirmed that there is no change in the status of current participation of member economies in the EE MRA for part I, II and III as follows :-

Part I	: 18 Economies
Part II	: 5 Economies (Australia, Brunei, Malaysia, New Zealand and Singapore)
Part III	: 4 Economies (Australia, Brunei, New Zealand and Singapore)

AGENDA ITEM 16: Follow-up Actions from the previous meeting of APEC JRAC

16(a) Updating for SCSC representatives and contact information of members

44. JRAC Chairman pointed out that during APEC JRAC meeting last year, some of member economy have raised an issue that there are so many updates with regards to contact information and this lead to difficulty to find exact contact information of member economies. JRAC Chairman mentioned that during the last year meeting, representative from Singapore highlighted that he did not have contact information of New Zealand. The APEC Secretariat explained that at the moment he have an update contact information of nineteen (19) JRAC members including APLAC. He added that he have tried to contact New Zealand but do not receive any respond and that's is why the APEC Secretariat could not have access to them. He suggested to check with New Zealand SCSC representative and if this is not successful, the secretariat will contact them directly. Beside this, he don't have any issue with regards to getting email address and if any members have changed their contact or email address, they can inform the APEC Secretariat directly.

45. JRAC Chairman emphasized the responsibility of member economies to update their latest contact information whenever there are changes and he also observed that representative from member economies attending the APEC JRAC meeting keep changing every year. This is very important in keeping the consistency and continuation from the previous meeting.

16(b) Updating for conformity assessment regulations for electrical and electronic products and contact information of members

46. JRAC Chairman reminded that based on the last minute of meeting, PNG and Indonesia would like to share their update on regulation in their economies. As representative from Indonesia do not attend the meeting, PNG was invited to present their update on their regulation.

16(c) Continuation of APEC JRAC Benchmarking

47. JRAC Chairman recalled back during the last meeting, Singapore has raised issue on whether the APEC JRAC meeting should continue the keeping track of benchmarking exercise using the matrix format introduced long time ago by Singapore and New Zealand. He highlighted that this year, only member economies from Chile, Korea and Malaysia have provided an update based on the matrix format. He also highlighted that the information in the matrix have been collected since 2013 and many economies such as Chinese Taipei, Malaysia, Japan and Singapore have participated in the past and favor to continue collecting the information using the matrix format. Chinese Taipei, Malaysia, Philippine, Thailand, Peru and PNG have confirmed that they agree to continue and support the sharing information using the matrix format.

48. The meeting continued with the presentation and sharing information from member economies based on the matrix format by Chile, Korea and Malaysia.

49. JRAC Chairman pointed out that some of the questionnaire in the matrix format are redundant and ask the same question and therefore need to be amended.

AGENDA ITEM 17: Presentation from IEC and the ASEAN

50. The presentation from IEC and ASEAN have been presented in the first day and therefore no need to be repeated as most of the member economies attended the meeting.

AGENDA ITEM 18: Discussion on Governance of JRAC

51. JRAC Chairman, in respond to suggestion by IEC representative to have 2 year term of JRAC Chairmanship instead of 1 year, suggested a survey to be conducted during next year APEC JRAC meeting.

AGENDA ITEM 19: Confirmation of the JRAC Chair, JRAC Secretary, date and venue for the next meeting

52. JRAC Chairman highlighted the Chairmanship and the Secretary of APEC JRAC meeting for the year 2017 as follows:-

Year	Chairmanship	Secretary	APEC Host
2017	Malaysia	New Zealand	Vietnam

53. JRAC Chairman reminded APEC Secretariat to inform New Zealand about their turn to become the Secretary of the APEC JRAC meeting in year 2017. Chairman requested Papua New Guinea to take role of JRAC Secretary in 2017 in case NZ will not be able to do it based on the alphabetical order, and PNZ agreed with it.

54. JRAC Chairman mentioned that the venue of the next JRAC meeting will be in Vietnam and the meeting most probably will be scheduled in August 2017.

AGENDA ITEM 20: Other items for Consideration

55. No additional matters raised and reported.

AGENDA ITEM 21: Meetings Documents

56. A consensus has been reached to classify all documents related to the APEC JRAC meeting to be in the form as follows, 2016/SOM3/SCSC/JRAC/000.

AGENDA ITEM 22: End of Meeting

57. JRAC Chairman wrapped up the APEC JRAC meeting by commenting that the two days meeting has covered a lot of things and was very productive in promoting mutual recognition among members economy. He praised all member economies who have shared and presented information/materials during the meeting and also thanked representative from IEC and ASEAN for sharing the current development and scheme. He continued his closing remarks by reminding 3 actions items that need to be undertaken during next year meeting as follows:-

- a) Sharing/exchanging experience and information from members economy which is participating JRAC under part II(5 economies)and part III(4 economies);
- b) Consider providing/introducing pilot programme for one or two item. Survey on this matter will be conducted during next year APEC JRAC meeting;
- c) Consider the Chairmanship of APEC JRAC meeting to be a two year term in future. Survey on this issue will be undertaken during next year APEC JRAC meeting.

58. In conclusion, JRAC Chairman took opportunity to thank hosting economy, Peru for the preparation and hard work in making the meeting success. He also thanked Japan for the excellent Chairmanship during last APEC JRAC meeting, Malaysia for willing to take position of Secretary in this APEC JRAC meeting and lastly to APEC Secretariat for all the hard work.

The Meeting was held in the spirit of cordiality and solidarity.

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