

# European Power Supplies Manufacturers' Association EEIG

## 1Q20 Management Committee Meeting Minutes

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Venue: Delta offices, Schiphol, Amsterdam

Date: 12<sup>th</sup> Feb 2020

Present were:

### **MC Members**

Bernhard Erdl	(BE)	Puls, Chairman
Manfred Schlenk	(MS)	Infineon, Vice Chairman
Paul Lee	(PL)	(secretariat)
Hannes Schachenmayr	(HS)	Vicor
Paul Conway	(PC)	TC Chairman (by phone)
Vlad Grigore	(VG)	Efore (by phone)
Frank Vondenhoff	(FV)	PS BEL
Shane Callanan	(SC)	AEI/Excelsys
Mathias Emserman	(ME)	Phoenix Contact
Andreas Hoischen	(AH)	Delta Energy Systems

### **Guests (By phone)**

Patrick Le Febvre	Powerbox
Martin Fredmark	powerbox
Gregor Schoss	SiQ
Boštjan Glavič	SiQ

### **Apologies:**

John Quinlan	Murata
Scott Parish	Murata
Miro Adzan	TI
Thorsten Herbert	Siemens
Mathias Eschle-Reinold	Nextys/TDK Lambda
Martin Neudecker	TDK electronics
Rolf Winter	ZVEI

## **Actions from last meeting**

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Presentation given by Francesco Di Dominico 'Si, SiC and GaN technologies in Switched Mode Power Supplies' will be placed in the members area of the EPSMA website shortly.

**Action PL - Done**

Cybersecurity is a topic discussed at the TC and MC. Some information is available from ZVEI and also some information is available from SiQ. PL will put data received and links in the members' area of the website.

**Action PL - Done**

Friwo had expressed their wish to resign from the EPSMA. The PL/BE will contact Friwo to confirm and re-state the advantages of membership.

**Action PL/BE – Friwo**

**has indicated they wish to remain as members and participate in the MC**

The meeting discussed progress with concerns about service levels received by members from UL related to certification work. It was agreed that the secretariat would re-send the satisfaction survey to EPSMA members to see if anything has changed. UL had also requested this at the previous meeting.

**Action PL - Done**

## **Membership update**

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PL reported that Artesyn and AEI have now merged membership as have TDK-Lambda and Nextys. This means that the EPSMA now has 23 full members and 6 affiliate members.

PL had circulated a question asking members if we should lift the cap on MC member numbers from 12. A quorum of MC members agreed by email and at the meeting so this was accepted. PL will amend the EPSMA 'formation contract'.

**Action PL**

It was agreed that Phoenix Contact should officially become a MC member as ME attends most MC meetings.

The meeting asked PL to remind MC members that to receive their fee discount for MC membership, they must attend at least three of the MC meetings in the EPSMA financial year ending 30<sup>th</sup> September. Call in by 'phone does not count except for the usual conference call MC meeting in calendar Q3.

## **EPSMA EEIG status after Brexit**

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Brexit occurred 31<sup>st</sup> January 2020 but with a target one-year transition period rather than two, so in theory the EPSMA cannot be UK-based after one year if it wants to keep its EEIG (European Economic Interest Group) status. The UK government

website states that the organisation will automatically be converted to a 'UKEIG' (United Kingdom Economic Interest Grouping) if the EPSMA does nothing otherwise. It is not clear what a UKEIG is. The secretariat will continue to monitor.

## Finance Update

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No document sales

FY2018/2019 accounts are available for audit. PL will bring the accounts documents to the Q2 meeting at PCIM for review.

Because of Artesyn/AEI and TDK Lambda/Nextys mergers, membership fees drop in 2020 by about £2600.00 Secretariat fees are per member so partly offset this and a surplus is still predicted of about £2000.00

The budget is shown in the slides attached.

## Technical Committee update

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Paul Conway, technical committee chairman gave his quarterly report. This is included at the end of these minutes.

The EPSMA database **General Requirement of Energy Efficiency for External Power Supplies** on the EPSMA website has been updated to issue 2-9-19 with changes to the EU ErP (Ecodesign Directive for Energy related products 2009/125/EC) becoming effective 1/4/2020.

Database **Energy Efficiency Standards for Battery Charging Systems** needs updating – the EPSMA member at Friwo has left but PL offered to do the update work if the source data can be identified.

PL asked if members actually used the databases. GS offered to review the databases on the website and give an opinion of their usefulness. **Action GS**

Good progress has been made with the new document **Guidelines for Life-time Prediction for Power Supplies**. A draft should be ready for distribution end Q1/2020

BE queried whether the document would include contribution by electrolytic capacitors to lifetime. He has a contact at NCC who can provide information. BE to forward contact details to PC for distribution. **Action BE**

The TC has received updates from Holger Laible and Clemens Klemm as members of IEC-SC22E about IEC 61204-7 and from Gregor Schoss from SiQ about IEC 62477-1. Details in the meeting slides.

The project to generate a document **Embedded Software Validation in Power Supplies** has no further progress to date but VG will be contacting SiQ to source information.

**Action VG**

The next TC meeting is at Siemens offices in Nuremberg on the 4<sup>th</sup> May before the MC meeting at PCIM on 5<sup>th</sup> May.

### **UL service level discussions**

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PL had been tasked with resending the UL service level poll sent previously in 2018. The results will be put in the members' area of the website.

MC members expressed continuing dissatisfaction with the non-acceptance by UL in the US of test results from National Recognised Test Laboratories in other countries for product approvals.

It was recognized that end-users in the US have been 'educated' to expect only UL marks. Various proposals were discussed to raise the profile of the issue including asking UL for a formal policy statement on the issue. PL will coordinate drafting of a letter to be sent on behalf of the EPSMA

**Action PL**

### **EPSMA status as a CENELEC liaison organisation**

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The secretariat has seen minutes of a meeting suggesting that EPSMA liaison status be cancelled because of non-participation. PL has tried multiple times over a long period to contact the secretary of TC-22X committee to ask how we can participate more with no response. Currently the secretariat receives newsletters from CENELEC and EPSMA members are present on IEC-SC22E committee so we receive useful feedback about its activities.

PL has asked CK to check if the committee is receiving EPSMA messages. GS of SiQ also volunteered to make contact on EPSMA behalf.

Post meeting: CK has forwarded a phone number for contact with Martial Patra. PL will make contact and discuss participation

**Action PL**

### **Website Update**

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No major changes. Member product release information is added regularly.

PL showed site usage statistics (see slides) with no significant change.

## **Q2/20 MC meeting**

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Q2/20 meeting will be at PCIM exhibition in Nuremberg. Infineon have kindly offered a room to use. The meeting will start at 11am on Tuesday 5<sup>th</sup> May. Room details will be provided when known.

The Q3 meeting will be as conference call as usual, date and time TBA

## **Any other Business**

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HS gave a presentation about changing trends in procurement of power products showing how vendors are being consulted generally later in the procurement process. This gives less opportunity to explain potential product benefits, particularly compared with low cost far eastern sources that might have lower acquisition cost but much higher lifetime cost due to quality and service issues. This could be discussed further at the next MC meeting with proposals to try to counter the trend such as with a publication from the EPSMA.

It was suggested that the EPSMA might become a member of EuropElectro which is a ZVEI initiative to represent the European electrical and electronic industry in China, particularly relating to standards work. PL will investigate costs and conditions.

**Action PL**

## **Meeting slides**

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See following pages



## 1CQ20 MC Meeting

12th February 2020  
Delta Offices Schiphol

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### Agenda



12:00	Arrival	
12:20	Actions from previous meeting	PL
12:30	Membership update	PL
12:40	EEIG status update	PL
12:50	Finance update	PL
13:00	Lunch	
13:45	TC chairman's report	PC
14:15	UL Discussions update – review of repeat satisfaction poll	PL
14:45	CENELEC liaison activity – review and suggestions	All
15:15	Website update	PL
15:25	PCIM meeting arrangements	All
15:40	Market discussion	All
16:00	Any other business	All

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## Apologies



- Rolf Winter – ZVEI
- Thorsten Herbert – Siemens
- Miro Adzan - TI
- Mathias Emserman – Phoenix Contact
- Gregor Schloss – SiQ
- Martin Neudecker – TDK
- Scott Parish - Murata

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## Membership Update at February 2020



AEI			
	FRIWO	Bel Power Solutions	TDK-Lambda
Convertec/Traco	Inpotron	PULS	Vicor
Delta Elektronika	Murrelektronik	Salcomp	XP Power
Delta Energy Systems	Murata	Siemens	Bourns
Efore/Roal	Phoenix Contact		Block Transformatoren
Excelsys AEI	Powerbox	Texas Instruments	
Supplier Members			
Infinion	TDK Electronics		
Affiliate Members			
UP Madrid	University of Nottingham	Delft University of Technology	
ETH Zurich	University of Padova	SIQ	

23 full members incl 2 supplier members and 6 affiliate members.  
12 MC members – blue in the above list. Must attend at least three meetings in the EPSMA financial year to get their discount  
TDK Lambda and Nextys membership merged  
Astec/Artesyn and AEI membership merged

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## EPSMA EEIG status with Brexit



Exit occurred on 31-2020 but with **one year** transition period

UK government website states that:

"It is expected that the UK will no longer be able to participate in the EEIG framework after the end of the transition period."

**"Any EEIG registered in the UK from 1 Jan 2021 will be automatically converted to a United Kingdom economic interest grouping UKEIG"**

No info at present on what a UKEIG is – waiting for response from UK government.

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## Finance Update Feb 2020



### Headlines

- FY 2019 accounts available for audit
- Bank at 9th Feb 2020 £39151.00
- Budget for FY 2020 - surplus £2098 estimate 2,349 euros approx.
- Lose fees from Artesyn (combined with AEI) and Nextys (combined with TDKL)

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## Budget for 2019/2020



Projected Income for 2019/2020			
	GBP	Euros at £ = 1.12 Euro	Comments
Members (23)	34,500		Assume no new members
MC discounts (Assume 10)	-3850		
Interest	0		
Report sales			
Reversal of management discounts x 1 FY Yr 2017/2018	1925		
<b>Total Income</b>	<b>32575</b>	<b>36484</b>	
Projected Expenditure 2018/2019			
Secretariat Fees	15755		Assumes 23 members £685/member
TC chairman Fees	9680		Assumed same as last year
TC chairmans bonus	2904		Assumed maximum paid
Bank Charges	150		
Cenelec fee	438		
TC project fees	0		
TC meeting expenses	800		Meals
Website expenses	250		Hosting, webmail, SSL cost
MC meeting expenses	500		Meal + meeting room
<b>Total Expenditure</b>	<b>30477</b>	<b>34134</b>	
<b>Projected surplus</b>	<b>2098</b>	<b>2349</b>	

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**EPSMA TC report to MC 1Q20**  
**Meeting on 12 February 2020**  
at Delta offices Schiphol, The Netherlands

Paul Conway  
TC Chairman



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**TC Member Status, February 2020**  
***16 member companies from 7 countries:***

- Benjamin Stoll – inpotron, Germany. (1/6)\*
  - Bernhard Grub – XP-Power, Germany. (2/6)\*
  - Bostjan Glavic/Matjež Šmidovnik/Gregor Schoss - SIQ Ljubljana, Slovenia. (1/1)\*
  - Clemens Klemm/Wolfgang Paul – Siemens, Germany/(Austria). (3/6)/(1/2)\*
  - Dave Collins - Artesyn, Ireland. (1/2)\*
  - David Bourner – Vicor, England. (1/1)\*
  - Diarmuid Hogan, Excelsys, Ireland. (2/2)\*
  - Dominique Hessmann – Delta Energy Systems, Germany. (4/6)\*
  - Esa Väkeväinen - Murrelektronik Power Oy, Finland (1/3)\*
  - Francesco Di Domenico - Infineon, Austria. (2/2)\*
  - Hubert Schoenenberger - PULS, Germany (5/6)\*
  - Jürgen Schneider - Texas Instruments, Germany. (6/6)\*
  - Matti Kulmala - Salcomp, Finland. (2/3)\*
  - Milos Luptak - Bel Power Solutions, Slovakia. (1/1)\*
  - Vlad Grigore - Efore, Finland. (3/3)\*
- Rolf Winter, ZVEI, attended as a guest November 2018, May 2019 and Nov 2019.
- Jens Marten, Block Transformatoren-Elektronik, attended as a guest November 2018
- \* Key: (x/n) = (Member # from each country / Number of members from same country)

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## TC Projects February 2020



### **General Requirement of Energy Efficiency for External Power Supplies** *[Matti Kulmala, Salcomp]*

The database is at issue 2.9.19. The change is to the EU ErP (Ecodesign Directive for Energy related products 2009/125/EC) and this becomes effective 1/4/2020

### **Energy Efficiency Standards for Battery Charging Systems** *[Previously Amin Wegener, FRIWO]*

FRIWO are now expected to renew their membership and hopefully they will update the database at issue 3 Sept 2012 with any new directives and their revisions.

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11 Feb 2020

EPSMA TC report to MC 1Q20

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## TC Projects February 2020..... continued



### **Guidelines for Life-time Prediction for Power Supplies** *[Hubert Schoenenberger, Puls (Champ); Esa Väkeväinen, Murrelektronik Power; Dave Collins, Artesyn; Francesco Di Domenico, Infineon (review only)]*

The document structure with contents has been agreed and twenty four of the forty six sections have been written.  
The draft is due ready for distribution by 1Q 2020.

### **Embedded Software Validation in Power Supplies** *[Vlad Grigore, Efore (Champ); Pasi Lauronen, Efore; Dr. Andrej Rakar, SIQ; Benjamin Stoll, Inpotron, to support the project and Vicor and Phoenix Contact, to help review the report.]*

We welcome Dr. Andrej Rakar, Head of IT Security at SIQ Ljubljana who has agreed to join the team to contribute Cyber Security.

The team has been set up but no written progress received to date.  
Timescales are draft ready 1Q 2020 and report ready for distribution TC2 4Q 2020.

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11 Feb 2020

EPSMA TC report to MC 1Q20

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## Other areas of interest

**New standard IEC 61204-7 edition 2.0. 'Safety of Low-Voltage Switch Mode Power Supplies'** (Proposed in 22E/142/NP).

[IEC-SC22E chairman Holger Laible and IEC-SC22E member Clemens Klemm].

Update from Gregor Schoss, SIQ:

IEC 62477-1 (basic safety publication) is being harmonised with US/CAN. CDV version expected soon. When it is approved, IEC 61204-7 will need to be upgraded to implement requirements from new IEC 62477-1 and to achieve worldwide recognition.



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## Other areas of interest.....continued

The TC review developments of the following with the help of dedicated persons where agreed:

- **Solar & Wind Power**
- **Future Trends in Semiconductors: Juergen/Francesco.**
- **Electric Vehicles/Standards: Vlad.**
- **Photo Voltaic.**
- **HVDC Systems for Telecom**
- **Electronic Lighting/LED: TBA? (Previously Armin, Friwo.)**
- **International Standards and Directives**  
e.g. 61204-7 edition 2 - Safety of SMPS.
- **Technical Issues raised by members e.g. Regulatory Issues, Specifications.**
- **EPSMA Publications: Check whether any need an update.**
- **Future Projects: Any new subjects to follow for publication or as a presentation to the TC?**

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## Next TC-Meeting



- First TC Meeting 2020:

Monday 4th May 2020, 12:30 for 13:00 start.  
Siemens AG, Gleiwitzer Str. 555, 90475 Nürnberg

(PCIM exhibition in Nuremberg is from 5th to the 7th May 2020).

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## CENELEC liaison activities



It has been minuted at TC22 meeting that EPSMA liaison status may be cancelled if no activity

Secretariat has made four attempts to communicate with the TC22 secretary Martial Patras – one through Thierry Pelikan - no reply

Suggestions for cooperation activities?

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## Website Update



- Winter newsletter added
- No document sales
- [www.epsma.org](http://www.epsma.org)

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## Website traffic last 90 days



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## Website pages visited



Page		Page Views	Page Value
/		1,036	\$0.00
/list_of_members.html	Member list	129	\$0.00
/page85.html	Publications	105	\$0.00
/index.html	Home	99	\$0.00
/page4.html	Publications	91	\$0.00
/about_epsma.html	About EPSMA	85	\$0.00
/page22.html	Member list	51	\$0.00
/page86.html	Members area link	50	\$0.00
/page75.html	BCS Landing page	43	\$0.00
/page94.html	Winter Newsletter	42	\$0.00

Last 90 days ▾

[PAGES REPORT >](#)

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## Q2 2020 MC meeting PCIM



Tuesday 5<sup>th</sup> May

Need a room – any hosts?

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**Market Discussion**



Topic – EPSMA members are losing the opportunity to sell on value because of increased selection of products off the internet on price alone

How to counter?

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**AOB**

