11 July 2023

**Minutes of the meeting of the Fan Manufacturers Association**

**held on Wednesday 5 July 2023 at FETA**

**Present**

Alan Macklin Chair Alan Macklin Associates z

Tom Koochitt Air Vent z

Paul Langford Colt International Ltd z

David Millward Elta Fans Ltd

Phil Kirkham Elta Fans Ltd z

Chris Yates FETA

Iain Kinghorn Flakt Woods Limited z

Greg Llewellyn Nicotra Gebhardt Ltd

Tony Breen Nuaire z

Gareth Carr Nuaire z

Ian Davis S&P UK Ventilation Systems Ltd z

Martin Page Torin-Sifan Ltd z

Andrew Hadley Truflo Air Movement Limited z

David Cook Vent-Axia Ltd z

Andrew Glover WEG (U.K.) Limited

Charles Halstead Woodcock & Wilson Ltd

Michael Williams Ziehl-Abegg UK Ltd

Michael Duggan Secretary FETA

*Note z = joined via Zoom*

**1  Welcome by chairman and introducing any new members or guests**

1.1 Membership

If joining remotely, members had been asked to please ensure their name was correctly displayed as we will use that for the minutes.

**2 To note the FETA Competition Law Guidelines and Guidelines to FETA committee procedures**

The ***FETA Competition Law Guidelines*** and the ***Guidelines to FETA committee procedures*** are available on [www.feta.co.uk/members/events-and-meetings/schedule-of-all-feta-meetings](http://www.feta.co.uk/members/events-and-meetings/schedule-of-all-feta-meetings). Accepting the invitation, or attending, will be taken as member's acknowledgement of the guidelines' existence.

**3 Minutes of the meeting held on 7 March 2023 (circulated by e-mail and on the FETA web site** [www.feta.co.uk/members/committee-minutes](http://www.feta.co.uk/members/committee-minutes)**)**

The minutes are prepared in accordance with the Guidelines to FETA committee procedures.

3.1 Approval as an accurate record

The minutes were approved and the master copy signed by Mike Duggan.

3.2 Matters arising not covered elsewhere on the agenda

CE/UKCA Marking – members concerns

EN12101-3 smoke fans + VSD reduced speed usage

Non-compliant fans constructed on-site

**4 Membership applications / renewals**

**4.1 Applications** –

There is one on-going application.

**4.2 Renewals** – the FMA criteria form is a condition of renewing membership for the 2023 renewals. The returns have been audited by the chair of the FMA.

There were 5 members as of 7 June who had yet to return their membership criteria form for 2023

The chair gave an update on the latest position at the meeting, including a discussion on what sanctions should be applied for non-compliance. He has gone through the completed Membership Criteria and feel this needs input from the members on how they would like this to be handled.

**4.2.1 what sanctions should be applied for non-compliance**

a) Members who have not completed and returned the form.

The meeting was asked to make a decision on the appropriate level of sanction. It was agreed MD should write to those who have not returned completed forms and advise them they will be suspended from membership until they have completed/returned the form, at which point we can re-instate them with member’s privileges.

Suspension will take the form of removing them from the FMA members listing and stop sending further communications, such as information, invitations to meetings and minutes of meetings.

b) Those who have completed and returned the form stating that they do comply can become more difficult. The question in some cases would be do they sincerely believe that they comply; are they not fully up to speed with what they are claiming; or are they attempting to mislead?

This is really the first year we have implemented this new requirement. It was agreed that in its first full year we should accept the declaration of the senior director who has signed to confirm compliance. This is how the SCA started i.e. accepted self declaration. In subsequent years they started to ask for accompanying proof to be submitted, so maybe next year we can add that as a requirement to the form.

Self declaration should be taken on trust at the moment and any issues should be dealt with in confidence

**5 Presentations**

None planned for this meeting.

Suggestions for future topics

Should we have a presentation on compliance? Compliance rather than interpretation is the issue.

**6 Connectivity/IOT/SRI**

Monitor progress of Connectivity/IOT/SRI - potential usage for servicing of smoke fans and related products.

**7 Regulations**

**7.1 Revision of EU Fan Regulation EU327**

Feedback on Consultation forum held on 9th June. (Initial CF was held in 2015).

Incomplete fans - should be outside the scope as only once an impeller, motor and stator are combined does it become a fan.

Jet fans - the scope has changed from 5 kW down to 750 W, plus power has changed from “Input” to “Impeller” power.

Definitions – clarification to use standard ISO definitions.

Permanently fixed guards – applicable to both inlet and outlet guards.

Publication in OJEU planned to be mid 2024 with mandatory enforcement expected in 2026.

Tony Breen has sent MD the latest draft. It is not the final document. Incomplete fans are excluded. And so are “emergency only If a company puts together a fan from components from different manufacturers, that company is deemed to be the “manufacturer” and under the scope of the regulations.

There is still a lot of argument about the draft. If it doesn’t progress before the end of the summer, with European elections it likely to stall and not progress for a year or two.

The EU is changing from “Directive” to “Regulation” and they will have clearer definition of what is required.

MD was asked to circulate the latest draft. (*Emailed to members 6 July 2023*)

**7.2 EU Regulations for ventilation units EU 1253 and EU 1254**.

Due to the enormous number of queries raised the project has been delayed and is scheduled to re-start in summer 2023.

Pressure is now on to complete before the change in EU parliament with elections scheduled for June 2024.

**7.3 ATEX Directive and standard**

**EN 14986 revision**

CH is expecting a revised version of the draft from the May meeting. There will be a change to one requirement which will be for gas and not dust. There are some other changes, but in Charles’s opinion, nothing major.

**Review of the ATEX information on the FETA website resulting from CE/UKCA**.

UKCA is being delayed for 2 years, so industry needs to look at all product groups.

CH offered to review the FMA’s 2-page form to see if it needed revising.

**Action: CH**

**7.4 Part L and Part F of the UK Building Regulations**. Scottish, Welsh and Northern Ireland review in progress.

Consultation for Part L is due out in next two months, with a planned revision date of 2025. So we can news in expect Aug/Sept.

**7.5 Office for Product Safety & Standards (OPSS)** – Focus is now apparently being switched to fire and smoke dampers.

There was a discussion earlier in the meeting on compliance and enforcement.

CY reported on a meeting he and FETA’s Commercial Manager’s meeting with OPSS. The main message was that OPSS want to work closer with industry.

**Points of Interest**

* General Product Safety Review due out in the next few months
* 10 week consultation will follow
* FETA to organize consultation forum to feedback to OPSS
* OPSS to run webinar for FETA members on this
* OPSS raised the EU Machinery Directive and feedback from industry that they did not want to see changes to it for the UK.
* OPSS view is that, generally, industry should ask for what they would want included, which could be the same as the EU, rather than say ‘we don’t want divergence’

**Ecodesign**

* OPSS is responsible for the policy on Ecodesign
* Discussed a systems approach to deal with divergence and where UKCA could be used so we retain ISO/EN standards
* Webinar to be run covering OPSS in general and Ecodesign plus a Q&A

**Other items**

* Guidance on connectivity to be put on OPSS web site and links will be sent to FETA
* Looking for industry to help on market non compliance – our view is that this will be risk based
* CY to be sent details on Digital Twins as there is not much industry traction at the moment
* Discussed extension to scope for Gas Safe Register – low temperature and heat loss calculations

The issue of non-compliant product can be covered with OPSS.

CY will go back to OPSS and tell them the issues this particular group has and how can they help the FMA and the FMA help them?

**Action: CY**

**8 Standards**

**8.1 ISO/TC117 – Fans**

A brief report on the meeting that took place in London on 13/14 June was prepared by Tony Breen and circulated to members just ahead of this meeting.

The WG meetings were physical only and Tony felt they worked really well.

ISO/CD 24660 – Positive pressure ventilation. DIS ballot due to close 2023-08-16.

ISO 13350 – Fans – performance testing of jet fans. To be re-started.

ISO 13351 – Fans – dimensions. Minor comments being addressed.

ISO 12759-1 – Fans – efficiency classification. FDIS approval ballot closed on 2023-06-23. There were a few comments which Tony Breen has addressed.

ISO 12759-6 – DIS ballot due to close 2023-07-13.

TR16219 – System effect factors. New annex to include power out for approval.

A New Work Item Proposal has been raised to produce a test standard for circulating fans with efficiency to be included in a new part of ISO 12759.

ISO 5801 – Fans – performance testing using standardized airways. Currently out for vote to review. This standard has been considered for revision for many years. There seems to be a willingness to do a partial revision and this will start with a WG meeting in September.

Tony Breen stepped down as chair of TC 117 after the maximum allowed time of 9-years, and Geoff Lockwood has taken over as the new chair of ISO/TC 117.

**8.2 CEN/TC156 Ventilation in Buildings. WG17 Fans – Tony Breen**

FprEN 17166 (Reg 327) – stalled.

This has been submitted twice for final vote. The policy officer and consultant have reviewed it and are waiting on legal opinion before it can proceed. There are legal issues they need addressed.

FprEN 17291 (Reg 1253) – waiting EU Commission

EN 16798-1 main EPBD standard

The main standard for ventilation. There has been a lot of disagreement on content. This document has been split into five parts, with different committees responsible for each part. The co-ordination committee is CEN/TC 371

FprEN 17170 (Safety requirements) – waiting EU Commission

Tony Breen is now the Chair of CEN/TC 156. HEVAC member Alan Green from Trox UK stood down and Tony Breen was elected as the new UK chair. The secretariat is run by BSI in the UK.

**8.3 Proposal to revise CIBSE/FMA TM42**

David Millward updated the meeting on the working group’s good progress.

**9 Other fan-related organisations**

9.1 European Ventilation Industry Association EVIA

* EPBD – Reduce Greenhouse Gasses by 2030 and achieve climate neutrality by 2050.
* Lifecycle Global Warming Potential for new buildings to be calculated from 2030.
* IAQ standards will be a requirement for major renovations.
* BACS Lot 38 – Unclear how this will tie into EPBD and our industry.
* SRI – will be required for large non-residential buildings as of 2026.
* ENER Lot 33 – smart appliances ‘demand side flexibility’ in a smart grid. EVIA responded to the survey on interoperability of energy smart appliances.
* Cybersecurity is a concern. The EU are proposing real life data monitoring for space heaters & water heaters (Lots 1&2) and this may effect other Lots.
* MEErP – Ecodesign. Stakeholder meeting 23rd June. To be monitored in conjunction with the SPI – Sustainable Products Initiative.
* Digital passports – access data including BIM, compliance, product environmental footprint, chemicals, etc.
* CBAM – Carbon Border Adjustment System. Importers of carbon-intensive goods will be required to pay a levy.

9.2 European AMCA and AMCA International

Members felt the information flow had slowed.

9.3 The International fan conference Fan2025

The next fan conference is planned for 9 to 11 April 2025, with the ISO fans meeting at the start of that week, 7 and 8 April 2025.

**10 Training**

10.1 Some general training can be taken up with Dan Hopkins after the pandemic measures subside.

**11 Website**

Members are asked to review the website from time to time and advise if any changes are needed - [www.feta.co.uk/fma](http://www.feta.co.uk/fma)

**12 Funding:**

12.1 Report on balances of the FMA funds:

|  |  |
| --- | --- |
| **Balance at** | **April 2023** |
| FMA Promotions/Training suspense fund |  | £342.10 |

The costs of supporting the hosting of the dinner for ISO/TC 117 delegates at their June meeting in London will be reported at the next meeting. The FMA is grateful to the four FMA members who sponsored the dinner – ebm-papst UK Ltd, Nicotra-Gebhardt Ltd, Nuaire Group and Woods Air Movement. The funding provided by the four sponsoring member companies covered the coat of the dinner at the Army & navy Club

12.2 Funding representatives to European and ISO fan meetings

No requests expected in 2023

**13 HEVAC Council Activities**

Report from FMA Chairman (Alan Macklin)

* The next HEVAC Council meeting is scheduled for 26th September.
* IAQ Group – Terms of Reference circulated, and initial meeting scheduled to be held later in July. 25th July – 20 members so far
* Grenfell draft report is expected to be completed at the end of 2023.
* Ventilation system installed and working well. CO2 level to be monitored.
* Quotes received to improve room acoustics, but further investigation required before reaching any decisions.
* FETA website upgrade is progressing with CRM database to follow.
* From April 2024 Level 2 or Level 3 qualified competency will be required for anyone undertaking site work.
* Professional Indemnity Scheme.
* FETA is organising promotional podcasts and a schedule of podcasts/webinars is being developed.

**14 Dates of next meeting**

Wednesday 22nd November

Venue/Format TBC – Actual/Hybrid/Remote

It was agreed to stick with a mixed/hybrid meeting.

**Dates are provisional**. Members should check the notice/agenda for the meeting which will be circulated three weeks before the meeting as dates sometimes change.

If any member would like to host a meeting, please let the secretary know.

**15 Any other business**

**15.1 CE/UKCA**

Discussion on members concerns. The deadline has been extended to 2025.

**15.2 EN12101-3 smoke fans + VSD varying speed in the smoke mode.**

SCA have formed a working group of FMA members. WG defining a regime to undertake tests representing real life conditions of the fan speed varying via VSD in the event of a fire. Aim is to produce a guide and have it added to the relevant standard.

WEG has concluded its testing. 4 units; 2 with VSD and 2 without. It concluded that VSD did not have any negative effect on the motor.

The next step is to do fan testing at BSRIA, but a few things have to be sorted at 25 July meeting.

The SCA maintenance guide has been published. Subsequent comments on the published guide will be referred back to the WG if/when we receive any comments. The guide was deliberately kept as a generic guide. Feedback on the whole have been positive.

**15.3 Non-compliant fans constructed on-site from various components**

GL raised a concern

Building fans from components on site and then installing them in AHUs. The resulting fans are not tested and are mostly non-compliant to regulations.

This is going on and is causing concern on general safety. They are going into public buildings such as hospitals.

CY suggested an online promotion on this topic. CY will arrange with Russell Dury at Keystone Communications.

**Action: CY**

Chair ……………………………………………….. Date …………………………

**Annex A Status of ISO/TC 117 Fans**

**Ongoing projects in ISO TC 117 Fans as of 2023.06.01**

**ISO/CD 24660 Fans — Determination of airflow propelled through an open personnel door by a positive pressure ventilator**

Stage 30.60 (Close of Committee Draft comment period) Since 2021-03-13

The US are leading this project and the Project Leader, Joe Brooks, sent the draft to the Committee Manager on 2023.03.01 ready to go to the 4-month DIS “enquiry” stage where national experts can make detailed technical comments. Resolution 2021-10 had approved advancing 24660 to DIS.

On Wed 2023-05-24 ISO advised that the DIS (enquiry) ballot had started and is due to close on 2023-08-16. The PL will convene a meeting of WG 07 in late summer to resolve any comments submitted during the ballot.

**ISO/DIS 12759-1 Fans — Efficiency classification for fans — Part 1: General requirements**

The work is being done in ISO/TC 117/WG 11, with Geoff Lockwood as the convenor.

At stage 50.20 (Proof sent to Secretariat or FDIS ballot initiated: 2 months) Since 2023-04-27.

Tony Breen is writing this standard. The draft had a final review in the working group which revealed a few minor editorial changes needed. Those were addressed and the CM was given the final draft, and submitted to FDIS ballot on 2023.03.21. The FDIS “approval” ballot started on 2023-04-28 with both the English and French drafts and is due to close on 2023-06-23.

**ISO/CD 12759-6 Fans — Efficiency classification for fans — Part 6: Calculation of the fan energy index**

The draft is being revised in ISO/TC 117/WG 11 with the Tim Mathson in the US as the Project Leader.

The DIS draft and graphics were submitted in February and the project is now at stage 40.20 (DIS ballot initiated) since 2023-04-19.

The DIS ballot has been created by ISO/CS and started on 2023-04-19, with a closing date 12 weeks later of 2023-07-13. Once the ballot is closed and comments are collated and issued, WG 11 will meet to resolve comments and proceed to the next stage, the FDIS “approval” ballot. The target date to submit the FDIS draft is 2023-11-01. Publication target date is 2024-02-15.

**ISO/DTR 27327-3 Fans — Air curtain units — Part 3: Test methods to determine energy effectiveness**

The project was registered in June 2016. It has been at stage 30.99 (CD approved for registration as DIS) since 2019-11-19.

The working group is still developing the standard. The US are the project leaders for this work.

The work is being done in ISO/TC 117/WG 9, with AMCA as the convenor and secretary.

**ISO/CD 13351 Fans — Dimensions**

Stage 30.60 (Close of Committee Draft comment period) Since 2023-01-10

The work is being done in ISO/TC 117/WG 7 with China doing the drafting.

The project was registered on 2022-11-11. The CD ballot was started on 2022.11.14 and ran for 8 weeks, closing on 2023-01-11. A copy of the CD is in N1032.

The project leader, My Wang, held a comment review meeting on 20 February. There were very few and minor comments, so the expectation is that this will proceed through the next two stages (4-month enquiry and 2-month approval ballots) in 2023 and early 2024. Target dates are DIS enquiry ballot 2023-12-14, FDIS approval ballot 2024-06-15 and publication 2024-12-14.

This standard is under Joint collaboration with CEN and will go through the relevant ballots in CEN/TC 156.