



**Minutes of the Fan Manufacturers Association
Tuesday 12 December 2023 at FETA**

By email 14.12 2023

Present

Alan	Macklin	Chair	Alan Macklin Associates	r
Tom	Koochitt		Air Vent Technology (part of Vectaire Group)	r
Clive	Greenstreet		Airflow Developments Ltd	r
Hopkins	Dan		ebm-papst UK Ltd	r
Bill	Dawes		Fans and Blowers Ltd	
Tony	May		Fans and Blowers Ltd	
Chris	Yates		FETA	
Iain	Kinghorn		Flakt Woods t/a Woods Air Movement	r
Ian	Davis		S&P UK Ventilation Systems Ltd	r
Andrew	Hadley		Truflo Air Movement Limited	r
Gareth	Carr		Nuaire	r
David	Cook		Vent Axia (check name)	r
Ian	Crum		Woodcock & Wilson Ltd	
Charles	Halstead		Woodcock & Wilson Ltd	
Michael	Duggan	Secretary	FETA	

r = remote

1 Welcome by chairman and introducing any new members or guests

1.1 Membership

If joining remotely, members had been asked to ensure their name was correctly displayed as we 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. Accepting the invitation, or attending, will be taken as member's acknowledgement of the guidelines' existence.

This meeting may be recorded.

3 Minutes of the meeting held on 5 July 2023 (circulated by e-mail and on the FETA web site 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 MD.

3.2 Matters arising not covered elsewhere on the agenda

The following were added to the agenda

CE/UKCA Marking – members concerns

EN12101-3 smoke fans + VSD reduced speed usage

4 Membership applications / renewals

4.1 Applications –

4.2 Renewals – the FMA criteria form was a condition of renewing membership for the 2023 renewals. The returns were audited by the chair of the FMA in June. At the July meeting it was agreed the 5 non-compliant companies should be sent a reminder (sent 18 July) and if no form received by end July they should be suspended. 4 members remain suspended. CY has also written to them on 28.11 and received no reply.

This meeting should decide on the next sanction for any members still non-compliant (i.e. no form returned) 11 months into the year?

It was agreed to send the 2024 letter to the four and if they remain non-compliant by end March, then remove them from FMA. For three of the four non-compliant members, they will remain in other FETA groups. But for one member they are only in FMA, so once removed they will be expelled from HEVAC/FETA.

4.3 Requirement for the 2024 renewals

In 2023 the process was that members were required to return their completed form; then an audit by the chairman to ensure all completed; declaration taken on trust; no supporting evidence required; suspension if no form returned in a reasonable time.

What are the requirements for 2024 renewals?

It was suggested we continue again with self-declaration but tighten up the return date. Having done it once, it was agreed that a 3-month deadline should be easily achievable, and it was agreed to ask for return by end March and to introduce sanctions (remove from website members list/do not invite to meetings) in April for any non-compliant members.

Complaints procedure – it was suggested to look at the SCA procedure and look to adopt a similar one as an FMA procedure. MD to circulate the SCA one and ask members to review and decide on a procedure at the next meeting.

Action: MD

5 Connectivity/IOT/SRI

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

It was agreed the FMA should carry on monitoring. Ian Andrews does regular updates on this for members

6 Regulations

6.1 Revision of EU Fan Regulation EU327

Draft regulation published and circulated to members on 9th October.

The feedback period is now closed, and comments can be viewed on the ec.europa.eu website.

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

AM gave a summary of where the regulation is up to now.

Tony May asked about an exclusion on page 15. AM asked Tony May to write to Geoff Lockwood, Tony Breen and Alan Macklin outlining as much detail as possible to his question so they can answer it for members.

6.2 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 and completion now expected to be 2025.

6.3 ATEX Directive – EN 14986 revision

Charles Halstead update on review of FMA's to see if it needed revising.

CH will review the 2-page form on the website. MD will send the latest version to CH.

Action: MD

CH will ask the chair of BSI ATEX committee for an update on progress.

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

The lead on *electrification of heat* at DLUC has confirmed they have to get the consultation out by Tues 19 December. The Home Energy Model, replacing SAP, will be consulted on in February.

The Civil Service is planning to get all consultations completed in first half of 2024.

6.5 Office for Product Safety & Standards (OPSS)

Update from Chris Yates on approach to OPSS to tell them the issues this fan group has and how can they help the FMA and the FMA help them.

UK Product Safety Review Consultation was closed on 24th October.

CY responded on behalf of FETA.

Confusion regarding UKCA/CE is destabilizing industry.

Guidance to assist industry would be welcomed.

FETA agrees that OPSS require additional enforcement powers.

UKCA – there was an announcement at the start of August saying Dept of Trade will continue to recognise CE indefinitely. Other Departments were not aware of this or were consulted about this.

7 Standards

7.1 ISO/TC117 – Fans

- a) Update of developing standards.

ISO/CD 24660 – Positive pressure ventilation. DIS closed. Next stage approval ballot and publication.

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

ISO 13351 – Fans – dimensions. At DIS ballot stage.

ISO 12759-1 – Fans – efficiency classification. Published 2023-09-07.

ISO 12759-6 – Awaiting final draft FDIS ballot.

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

NWIP 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.

- b) Meeting in April 2024 will be in London again.

There is no formal dinner for delegates planned.

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

FprEN 17166 (Reg 327) - stalled. This is the standard that explains EU Reg 327 for Fans

FprEN 17291 (Reg 1253) – waiting EU Commission

EN 16798-1 main EPBD standard

FprEN 17170 (Safety requirements) – waiting EU Commission

MD was asked to ask Tony Breen for an update.

Action: MD

7.3 Revision of CIBSE/FMA TM42

Geoff Lockwood is chairing the FMA WG on this.

Ian Davis gave an update.

A lot of drafting work has been done to update the content of TM 42. GL is meeting with CIBSE on the process to publish this again as an updated CIBSE TM 42. Everyone agreed that having it published by CIBSE is the best route.

8 Other fan-related organisations

8.1 European Ventilation Industry Association EVIA

EPBD – Ventilation system control to be included in new buildings.

IAQ standards have a higher priority.

Results of an experiment in France measured 2000 – 2500 ppm CO₂ in a naturally ventilated building and < 1300 ppm CO₂ for 92% of the time in a mechanically ventilated building.

Consideration to be given to the use of UVU's in renovation projects to improve IAQ. The current system does not reflect the benefits of installing a UVU.

Renovation of buildings requires incentives to upgrade ventilation systems and improve energy ratings.

Revision of Eco-design – aim is to make sustainable products the norm in the EU.

Digital product passports providing information on environmental sustainability will be introduced – access data including BIM, compliance, product environmental footprint, chemicals, etc.

Market surveillance to be improved as it is currently applied inconsistently across the EU.

8.2 European AMCA and AMCA International

AMCA held their annual meeting in Barcelona on 1 to 3 November, the first time for many years that it has been held in Europe.

8.3 The International fan conference Fan2025

The next international fan conference is planned for 9 to 11 April 2025, with the ISO/TC 117 fans meeting at the start of that week, 7 and 8 April 2025.

9 Training

Dan Hopkins had provided an agenda which MD circulated to members on 11 December. It covers topics ebm do for their new starters.

Format – 09:00 to 12:30, 13:30 to 15:00. Physical attendance only at FETA.

Date – it was agreed DH and MD should choose a convenient date and then publicise amongst members.

CY said it was important members booking places then committed to sending delegates. There was a discussion on charging, and on balance the decision was to make this a free service to members.

The chair thanked Dan Hopkins for the generous contribution of his time for the benefit of members.

10 Website

Members are asked to [review the FMA website](#) from time to time and advise if any changes are needed.

11 Funding:

12.1 Report on balances of the FMA funds:

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

12.2 Funding representatives to European and ISO fan meetings

No requests expected in 2024. The ISO meeting will be at BSI in London

12 HEVAC Council Activities

Report from FMA Chairman/HEVAC President (Alan Macklin)

The HEVAC Council meeting was held in September with the next meeting scheduled for 16th May.

FETA IAQ Group – Meetings have been well attended with FETA guidance documents under review before being released. An IAQ article has been written and released. Members of the IAQ Group are shown below. Any other members are welcome to join the group.

ABB Ltd
Advanced Air (UK) Ltd
AEME Ltd
Airex Manufacturing Inc.
Alan Macklin Associates
Camfil Ltd
Colt International Ltd
Daikin Airconditioning UK Ltd
DenMil Consulting
Distech Controls
ebm-papst UK Ltd
Elta Fans Ltd
Envirotec Ltd
EnviroVent Ltd
EVIA European Ventilation Industry Association
Flakt Group UK Ltd

Frenger Systems Ltd
Humidity Matters Ltd
Humidity Solutions Limited
Ian Andrews Associates
Lindab Ltd
Michell Instruments T/A Process Sensing
Mitsubishi Electric Europe BV
Nicoitra Gebhardt Ltd
Nuaire
Purified Air
S&P UK Ventilation Systems Ltd
Siemens Building Products
Swegon UK & I
Titon
TROX UK Ltd
Vaisala Ltd
Ventilation Fire Smoke Limited

Grenfell draft report has been delayed and will be completed in the new year (see item 14.2 below for more detail).

The ventilation system is installed in the FETA room and is working well. CO₂ levels are being monitored and the room remains comfortable during a full meeting.

The FETA board has given approval to improve the room acoustics and installation work is scheduled to be completed in the second week of January.

FETA website upgrade has been launched with a new CRM database likely to follow in the coming years.

13 Dates of next meeting

The calendar of HEVAC meetings in 2024 has been produced.

Provisional FMA dates are:

Tues 20 Feb, Tues 16 July and Tues 19 Nov

Note the 1st meeting date is now 20 Feb, and not 16 Jan as was in an earlier agenda.

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.

Venue/Format TBC – Actual/Hybrid/Remote

Does this group wish to have one meeting a year as a physical only meeting? It was suggested we review this at the next meeting on 20 February and consider whether the July or November meeting should be a physical only one.

14 Any other business

14.1 CE/UKCA

Discussion on members concerns

14.2 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.

MD to ask Tony Breen about this.

Action: MD / TB

14.3 Grenfell Inquiry report

Progress of the Report was covered in the 24 Nov 2023 Grenfell Inquiry newsletter:

The Inquiry Panel continues to make progress in drafting its final report.

Under rule 13 of the Inquiry Rules the Inquiry is required to write to those who may be subject to criticism, explaining the basis on which such criticism may be made. Drafts of the chapters relating to the history of the refurbishment, the response of central and local government and chapters relating to the LFB have been completed and warning letters have been sent to those who are likely to be criticised. Responses to those letters have been received from many of those to whom we have written, although the process is continuing.

Draft chapters relating to manufacturers of products and certification bodies and aspects of the TMO's conduct are nearly all complete, although in each case there is work to be done before warning letters can be sent out. Many of the chapters relating to the development of fire safety aspects of the Building Regulations and the part played by government have been completed and others are well advanced but some drafting remains to be done. Work on the chapters relating to experimental work conducted by some of the Inquiry's expert witnesses is not quite as far advanced. The chapters relating to the circumstances surrounding the deaths of the deceased have largely been completed and we do not think it will be necessary to send out more than a small number of warning letters relating to them.

The rule 13 process is proving time consuming. Not only do we have to allow recipients a reasonable time to respond to potential criticisms, but we also have to analyse their responses in order to decide whether we need to modify our provisional conclusions or the way in which we have expressed them. Nonetheless, we are probably over half-way through the process, having sent out over one hundred letters so far.

The amount of evidence, both oral and documentary, that the Inquiry has collected makes the drafting of a report a very time-consuming task and the process of preparing and printing a work of this size will take a considerable number of weeks. As things stand, the report will not be published before April next year but the Panel hopes to be able to send it to the Prime Minister before the next anniversary of the fire with publication soon thereafter. In due course, we will write to all CPs about the arrangements for publication.

15 Items for next agenda

Once the Part L consultation documents have been issued, CY suggested he prepares a "straw-man" response and then get members to modify it.

Action: MD

Chair

Date

(for approval at next meeting)

Annex A Status of ISO/TC 117 Fans

14 Ongoing projects in ISO TC 117 Fans as of 20231003

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

This standard was published on 2023-09-07 and is now available.

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

Stage 40.99 (Full report circulated: DIS approved for registration as FDIS) Since 2023-08-17

The US are leading this project. The DIS (enquiry) ballot closed on 2023-08-16. The Project Leader has convened a meeting of WG 07 in October to resolve comments submitted during the ballot. The next stage would then be approval ballot and publication.

ISO/CD 13351 Fans — Dimensions

Stage 40.0 (DIS registered) Since 2023-08-14

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

The 3-month DIS (enquiry) ballot is due to be started on 2023-10-15

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

ISO/AWI 27327-1 Fans — Air curtain units — Part 1: Laboratory methods of testing for aerodynamic performance rating

Stage 20.00 (New project registered in TC/SC work programme) Since 2023-08-14

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

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 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 Tim Mathson in the US as the Project Leader.

At Stage 40.60 (Close of DIS enquiry voting) Since 2023-07-13

The Project Leader convened a meeting of WG 07 in the summer to resolve comments submitted during the ballot. We are now awaiting the Final Draft International Standard which will go for FDIS approval ballot.

ISO/AWI TR 16219 Fans — System effects and system effect factors

Stage 20.00 (New project registered in TC/SC work programme) Since 2023-08-14

ISO/CD 13347-1 Fans — Determination of fan sound power levels under standardized laboratory conditions — Part 1: General overview

Stage 30.00 (Committee draft (CD) registered) Since 2023-09-20

ISO/CD 13347-2 Fans — Determination of fan sound power levels under standardized laboratory conditions — Part 2: Reverberant room method

Stage 30.00 (Committee draft (CD) registered) Since 2023-09-20

ISO/CD 13347-3 Fans — Determination of fan sound power levels under standardized laboratory conditions — Part 3: Enveloping surface methods

Stage 30.00 (Committee draft (CD) registered) Since 2023-09-20

ISO/CD 13347-4 Fans — Determination of fan sound power levels under standardized laboratory conditions — Part 4: Sound intensity method

Stage 30.00 (Committee draft (CD) registered) Since 2023-09-20

ISO/CD 13348 Fans — Tolerances, methods of conversion and technical data presentation

Stage 30.99 (CD approved for registration as DIS) Since 2023-08-14

ISO/PWI TR 23630 Computational Performance Prediction of Fans Based on Multiple Variable Parameters

Stage 00.00 (Proposal for new project received) Since 2023-06-28

ISO/AWI 21684 Fans — Laboratory Methods of Testing Air Circulating Fans for Rating and Certification

Stage 20.00 (New project registered in TC/SC work programme) Since 2023-08-13