

# Online Technical Meeting

23.02.2023

09.30 – 12.00

Online

British Automatic Fire Sprinkler Association

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1. Welcome, introductions and apologies for absences
2. Notes of previous meeting & matters arising
3. Committee Updates
4. Standards
5. Design Development
6. Products
7. Maintenance.
- 8.A.O.B

# Welcome, introductions and apologies for absences

• Alan Crichton	-	Bafsa	Apologies	
• Ali Perry (Part)	-	Bafsa		
• Simon Bird	-	FFSB	Jeremey Smith	- Writtech / Compco
• Jason Stenholm	-	Viking Supply Net	Stuart Lloyd	- Zurich
• Adrian Kay	-	Johnston Controls	Stewart Kidd	- Bafsa
• Barry Ebb	-	Armstrong Priestly	Keith McGillvray	- Bafsa
• Andrew Searles	-	Liquitech	Paul Wright	- IPS Flow Systems
• Jean-Paul Rabett	-	Armstrong Pumps	Rob Speakman	- SPP Pumps
• Norman Ross	-	Balmoral	Afolabi Akinsanya	- Rapidrop
• Sam Grigg	-	Hall & Kay Fire	Guy Watson	- Reliable
• Matthew Knock	-	Hall & Kay Fire	Rob Bell	- Sale Engineering
• John Blackwood	-	Clarke engines	Doug McKinnon	- IFC
• Ross Livingston	-	Clarke Engines	Mathew Smith	- Pyro Protection Ltd
• Alan Whitehead	-	Allianz	Mark Fussey	- SPP
• David Bell	-	Viking		
• Patrick Chetrum	-	Jem Pumps		
• Alan Whitehead	-	Allianz		
• Phil iLsley	-	Grundfos		
• David Ferguson	-	BRE		
• Steve Griffith	-	UK Sprinklers		
• Gavin Johnston	-	Vipond		
• Allan McPherson	-	FM Global		
• Dale Kinnersley	-	FPA		
• Stewart Aymes	-	JCI (Pump)		
• Nathan O'Connor	-	A&F Sprinklers		
• Keith Platter	-	Rapidrop		
• David Carter	-	Harrijess		
• Stuart MacKay	-	Emtec		
• Gareth Loveridge	-	Argus Fire		

## 2. Notes of previous meeting & matters arising

Comments Made and Previous minutes updated

### Actions/ Notes on previous meeting

#### LEVEL 2 Fire sprinkler installation

RSA working on the L2 Module for plastic installation

Bafsa working on the L2 Module for steel installation

Course will now be delivered through ABBE

#### DATA Logging

Dale Kinnersley - has contacted A few of the suppliers to discuss the issues around Data Logging.

David Ferguson - The LPCB have Put on Hold the requirement of Checking for Data Logging (auditing) until we receive feedback from the working group.

## Water Heater Committee

Grundfos – Phil Ilsey – To Update

## Annex 'D' Committee (On Hold)

No New updates – we await the outcome of the discussion of the EN12845 committee

## Wet riser pump accreditation

There are plans afoot to have third party accreditation included in the LPS 1048 scheme. The details of which should be available this year.

## Dates of Meetings

Some meetings will be held before the RiscA Meeting

5<sup>th</sup> Of May 2023 – 9.30 to 12.00 (On line)

17<sup>th</sup> of August 2023 – 9.30 to 12.00 (On line)

6<sup>th</sup> of November – 14.00 to 17.00 (Face to Face Marriot hotel, Liverpool)

7<sup>th</sup> Of November is the AGM (Marriot Hotel, Liverpool)

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## 3. Committee Updates

3 (a) RiscA

3 (b) Fire Liaison Group

3 (c) Skills & Development

3 (d) EN 12845

3 (e) Domestic & Residential

3 (f) Water Mist Committee

RISCAuthority Sprinkler Rules Working Group:

Completed work October 2022:

**TB202 (Sprinkler protection to buildings featuring residential occupancies – Insurance requirements) – New TB**

**TB203 (Care and maintenance of automatic sprinkler systems) - Modification**

**TB210 (Automatic Sprinkler Pump Installation) - Modification**

**TB211 (Hanging garment storage) – New TB**

**TB212 (Mobile shelving systems) – New TB**

**TB222 (Ordinary Hazard Group 3 protection using Enhanced Protection Extended Coverage sprinklers) - Modification**

**TB229 (LPC Rules for automatic sprinkler installations – variations to BS EN 12845:2015) - Modification**

**TB230 (Protection of roof spaces, floor and ceiling voids) - Modification**

**TB234 (Protection of High Hazard Storage (HHS) configurations) - Modification**

**TB237 (Flushing underground sprinkler mains) - Modification**

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RISCAuthority Sprinkler Rules Working Group:

Current On-Going work:

**TB208 (Supplementary requirements for sprinkler installations which can operate in the dry mode)**

- Review and update standard

**TB220 (Hydraulics and Orifice Plates)**

- New TB on how to do hydraulics including orifice plates

**TB214 (Sprinkler protection of flammable liquid stores)**

- Update to include glass and plastic containers

**TB215 (Sprinkler protection of idle pallet storage)**

- Review and update standard

**TB227 (Pipework)**

- Minor review and update

Future projects:

- Sprinkler protection of massive timber construction – research
- Review ALL TB's over 5 years (are they relevant, do they need updating, are the references still valid, improvements)

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## 3 (b) Fire Liaison Group

Simon Bird

LPCB – Product certification

LPS – LPS 1667 Residential pump set

“Requirements for pump sets used in domestic and residential: automatic sprinkler and low pressure water mist installations” is nearing completion and expected to be published early next year. The market is encouraged to take advantage of this standard where possible.

LPS 1236/1237 Pump Control panels – Now Published

LPS 1131 Bare Shaft – Finished to be issued shortly

LPS – 1240 Fire Sprinkler Pump sets - start of review coming up

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- EN 17451 Pump sets – due out for second enquiry NOW (for 2 or 3 months TBC)

EN 12845-3 Earth quake bracing etc – enquiry completed, comments in review now.

EN 12259 (new parts) – for ESFR, CMSA, EC heads etc in preparation.

## 3 (c) Skills & Development

L2 Fitters Card – Should now be delivered through Abbe Certifications

Blue Sprinkler Engineers Card – all work done and approved just waiting on the skills partnership to approve the card.

To apply for the New CSCS Card you will need a current SSSTS or SMSTS certificate and also have sat and Passed the New Bafsa Inspection and Maintenance course.

There will also be a Black Fire Sprinkler Managers Card for Domestic and residential issued shortly.

To apply for this New CSCS Card you will need a current SSSTS or SMSTS certificate and also have sat and Passed the Sprinktec Domestic and Residential fire sprinkler design course.

There is a plan in place to have 6 newly approved design training courses.

For Booking Training course please contact Alan Crichton at [alan.crichton@bafsa.org.uk](mailto:alan.crichton@bafsa.org.uk)

Any queries please Contact Ruth Oliver at [qualifications@bafsa.org.uk](mailto:qualifications@bafsa.org.uk)

QCF / SCQF Level	Course types			
Two / Four	SFJ IQ Level 2 Certificate  Fire Sprinkler Installation (Bafsa)	Unit 6  Commercial Fire Sprinkler Inspection and Commissioning Course (Bafsa)		
Three / Five	Maintenance Course  Carrying out maintenance tasks.	Unit 4  Intermediate (High Rise) Commercial Fire Sprinkler Design (Bafsa)		
Five / Seven	Unit 1  Domestic and Residential Fire Sprinkler Design (Sprinktec)	Unit 2  Domestic and Residential (Commercial) Fire Sprinkler Design (Sprinktec)	Unit 3  Basic Commercial Fire Sprinkler Design (Bafsa)	Unit 5  Full Hydraulic Calculated (High Hazard) Commercial Fire Sprinkler Design (Bafsa)

Courses in RED are under development, the level of these courses are estimated.

Discussion about Experienced workers route.

## **3 (d) EN 12845 – 1,2 & 3**

### **LPCB Rules for Automatic Sprinkler installation - 1**

**The number of comments received have had a concern of the change to BSEN12845 to a degree where the standard must be reviewed totally**

**Therefore, It may be a while (possibly 2-3 years) where the standard may be able to issue.**

### **EN 12845 – 2**

**ESFR – is out for review**

### **EN 12845 – 3**

### **Earthquake**

**Discussion ensued that volume 2 & 3 should only be issued in line with or after the issue of En12845 – 1**

## EN 12845 - 2 – CMSA & ESFR

### LPCB Rules for Automatic Sprinkler installation Next round of Updates to BS EN12845 – 2

EN 12845-2 enquiry (public consultation) is running at the moment. EN 12845-2 is intended to be the document that sits along side the revised EN 12845-1. EN 12845-2 will contain requirements for ESFR sprinklers and CMSA sprinklers. Anyone can submit their comments. As it is potentially an important future document, it probably warrants some close scrutiny at this stage.

<https://standardsdevelopment.bsigroup.com/projects/2021-03138#/section>

### 3 (e) Domestic & Residential

No further meetings held

BS 9251 (R&D Sprinklers) Has been Issued

There are some ongoing Issues with the Uptake of the new standard and the design of commercial elements of the standards.

Suggest that more training is required, especially under Cat 4 systems.

Training Courses for Residential and Domestic :

www.sprinktec.co.uk [training@sprinktec.co.uk](mailto:training@sprinktec.co.uk)

Residential and Domestic - SCQF Level 7

Residential and Domestic (Commercial) – Should be SCQF Level 7

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### 3 (f) Water Mist Committee

Stewart Kidd / Simon Bird

EN 14972-1 (Mist)

BS EN 14972-1 (and series). Fixed firefighting systems. Water mist systems. Part 1. Design, installation, inspection and maintenance.

BAFSA / FIA / BSI mist

Initiative underway to create certification scheme like LPS 1048 but for mist (good idea, massive challenge, due to lack of good quality /detailed standards to build the scheme on)

BSI due to revise BS 8458 and BS 8489 (but unclear how and when)

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### 3 (f) Water Mist Committee

#### Stewart Kidd Comments

Legally the BSI May have to Delete BS8458 & BS 8489 due to the issue of the European water mist standards.

The concern is that the UK did not agree with the content of the European standards, this could cause an issue moving forward.

The standards do not cover the classifications or coverage enough and should be more in line with BS 9251 for domestic systems.

The water mist guidance note (Written by Tim Nichols) is ready and should be issued as a BAFSA Guidance note.

Work required on putting together robust third party scheme for watermist installations.

The Level 2 Qualification for watermist installation should be rolled out to support the third party accreditation.

## Miscellaneous Standards.

- Draft EN 17451 (European pump set standard)
- Draft EN 12259-12 (European bare-shaft pump standard)
- Draft EN 12259-13 (European ESFR standard)

## 5. Design Development

Any Other Business on standards or Specific Material

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## 6. Products

Any New Products to discuss

## 7. Maintenance

RISCA, FPA Booklet

Available from the RISCAuthority Website as a free download.

<https://www.riscauthority.co.uk/news-and-features/service-maintenance-document-announcement>

TB203 update pending with tank maintenance check list.

# 10.A.O.B

New Business

Andrew Searles - Liquitech

Concerns over the implementation of the New 2 year tank inspection and the over enthusiastic use of silt in tank to encourage full tank cleans – where they are not required.

Discussion about a level of silt that was acceptable, it was discussed that loose silt does not adversely affect the performance of the pump, however concerns are that if there was 30% blockage around the vortex inhibitor this may have adverse effects on the pump duty.

Other concerns is that if you have 10-20 mm built up of silt this may be concerning, t it's the level of silt traveling into the system that may block sprinkler heads and stop water getting on to the fire.

AC to develop a Bif to potentially help with what is and what is not acceptable.

This would cover silt build up.

When to flush the underground mains (depending on silt build up)

When to clean the tank (Depending on the build up).

Draft copy for May.

# 10.A.O.B

New Business

John Blackwood

There is an Ongoing concern over Bio Fuels.

Clark engines will send out a document detailing the issues

This will be distributed between all of the Bafsa Members

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# Next Meeting

5<sup>th</sup> Of May 2023 – 9.30 to 12.00 (On line)

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