



FMC User group Meeting Minutes – 31 Oct 18

Attendees:

Tom Bertenshaw	TB	GKN Aerospace
Ray ten Grotenhuis	RtG	OPG
Benoit Lepage	BL	Olympus NDT (Canada)
Andreas Schumm	AS	EDF
Caper Wassink	CW	Eddyfi
Chris Udell	CU	Proceq
David Reilly	DR	Zetec
Larissa Fradkin	LF	Sound Mathematics Ltd
Dave Lines	DL	Self / University of Strathclyde
Prashanth Kumar Chinta	PKC	GE
Remi Lallement	RL	AOS
Souad Bannouf	SB	Extende
Paul Wilcox	PW	University of Bristol

Agenda:

- FMC Applications – greatest interest to industry
- Update on common file format
- IIW and ASME working group liaison
- Calibration for FMC/TFM

Notes Transcript

FMC Applications:

The Table below has been updated from the previous meeting

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| 1. Weld (steel) Inspection | 6. Hydrogen damage in steel components (e.g. HTHA) |
| 2. Composite Material inspection | 7. Other heavy metal applications |
| 3. Additively Manufactured parts | 8. Cast Austenitic Stainless Steel |
| 4. Concrete testing | |
| 5. Corrosion mapping | |

Equipment providers		Research Institutions		Industrial end users	(Sector)		Codes & Standards	
Zetec	1-3, 5-7	MTC	1-3,5-8	GKN Aerospace	Aerospace	2,3	ASME	
Olympus	1-6	Strathclyde University		OPG	Power gen	3,5,7	IIW/ISO	
Eddyfi	1-3, 5-7	Bristol University		Rolls Royce	Aerospace & Marine		ASTM	
Sonomatic		EPRI	1-6	EDF	Power gen	1,8		
GE	1-3, 5-7	Sound mathematics Ltd	1,5	GE	Power gen?			
Dophitech		TWI		Westinghouse	Power Gen & Nuclear			
Applus RTD	1,2,5,6			BP	Oil & Gas			
PEAK NDT	1-6			Space X	Space			
AOS	1-5							
TPAC (with AOS)								
Proceq	1,4,5							



MFMC common file format

This meeting was an opportunity to feedback on the MFMC technical spec. A number of attendees gave feedback. However, **PW** described how he went through the technical spec and has made some amendments. **AS @** EDF mentioned that the current spec does not cover TRL Transducer types, or at least only covers one roof angle. PW stated that this was one example where he had updated the spec to include details on these types of transducers.

It was proposed to circulate this updated version of the spec. **TB** to circulate.

Ultimately, once everyone has had time to review this updated document, a File Format spec will be drafted up, based on the common user defined parameters that the participants agree on.

Update on standards:

ASME codes and standards for pressure vessels will publish FMC code under section 5, article 4 in 2019. For interest, it was proposed to review this at the next meeting.

CW:- The IIW FMC-TFM weld testing and general document guidelines are currently being assigned as a work items by ISO. This approval will take 2-3 years. IT was also mentioned that the next meeting for these documents is on 20th Dec in Paris.

Calibration for FMC

It was on the agenda to draw up a list of needs for calibration. It was suggested that the IIW FMC-TFM documents being drawn up could provide some initial guidance here. **TB** proposed that this could potentially brought up and read through for the next meeting.