



FMC User group Meeting Minutes – 12 July 18

Attendees:

Tom Bertenshaw (Chair)	TB	GKN Aerospace
Casper Wassink	CW	M2M
Ray ten Grotenhuis	RtG	OPG
Benoit Lepage	BL	Olympus NDT (Canada)
Christian (Backe?)	CB	(Dolphitech?)
Dave Lines	DL	Strathclyde Uni
David Reilly	DR	Zetec
Larissa Fradkin	LF	Sound Mathematics Ltd
Matthew Flemming	MF	Sonomatic
Wilson Vesga	WV	MTC
Abhishek Saini	AS	Nanyang Technological University (NTU)

Agenda:

- Standardizing FMC data format
- FMC applications - greatest interest to industry?
- Liaison with IIW and ASME working groups – update on standards?
- AOB

Notes Transcript

Standardizing FMC data format: The intention of the first agenda item was to look at the common file format work done by Martin Mienczakowski, but some work was needed to understand where martin had left it. Paul Wilcox (Bristol University) was left with this task, but has found this more complicated than first anticipated. At the time of the meeting, he was not in a position to give a demonstration.

LF made the request that the Common file format could be exported into a txt file, that can be read in Octive (Linux) – Post meeting note: The common file format would need a number of participants to help write code for their given applications. This is a task for most NDT software companies to implement.

FMC Applications: The next agenda item was intended to understand the uses of FMC within industry. The first step here was to see who was involved. The group created a FMC interest list, which included current members of the FMC user group, but then other potentially interested non-members of the group were added, who had a known interest in FMC. This list is shown in table below:

Equipment providers	Research Institutions	Industrial end users (Sector)		Codes & Standards
Zetec	MTC	GKN Aerospace	Aerospace	ASME
Olympus	Strathclyde University	OPG	Power gen	IIW/ISO
Eddyfi	Bristol University	Roll Royce	Aerospace & Marine	ASTM
Sonomatic	EPRI	EDF	Power gen	
GE	Sound mathematics Ltd	GE	Power gen?	
Dophitech	TWI	Westinghouse	Power Gen & Nuclear	
Applus RCD		BP	Oil & Gas	
PEAK NDT		Space X	Space	
AOS				
TPC (with AOS)				



Update on standards:

RtG gave update on the latest information on the ASME standard.

- The mandatory appendix has been approved
- The non-mandatory appendix is going through voting stage soon
- They have left (terminology) for TFM alone for now.

They have 2 standards drafted: ASME 5 – NDT Standard; ASME 3 – Applications.

RtG mentioned a technology session (ASME BPV Section V). This is set in Washington D.C, US, on 1st August 2018. Paul Hayes had sent a flyer around with all the information previously. It included stands from equipment manufacturers, equipment familiarization, demos and other information. **TB** mentioned that it would be difficult to justify the travel. Maybe an event in Europe could be organized by a group?

For the IIW, there are 2 standards currently being drafted. The standard for weld testing in steel has been propagated to the ISO committee. The IIW was open to non-IIW members.

TB asked about typical defects that were targeted for detection for FMC/TFM. These included a few:

- HDHA (Acronym please?)
- Stress corrosion cracking
- Erosion corrosion

It was agreed by **CW** and **RtG** that the IIW and ASME would share their documentation with the BINDT FMC working group.

AOB

RtG asked whether this group was still including “calibration methods” and “definitions” as part of this group’s activities. **TB** suggested that this will be looked at in time, whilst getting to grips with the other group objectives.

For definitions, the key for this FMC user group was to define/identify non-weld terminology and terminology that covers other applications.

TB – next meeting date was not fixed. **TB** wanted to be able to have a better few on how to progress the common file format, and this needed to be given time. However a meeting within the next 2-3 months should be expected. A doodle poll will be sent out at the appropriate time.