

MMS7

Towards an Adhesives Design Toolkit

Notes of 1st Industrial Advisory Group (IAG) Meeting held on 17 July, 2002 at NPL, Teddington.
Prepared by R S Court, TWI.

PERSONS PRESENT

John McCarthy	AEA Technology
Ian Wilson	Alcan
Duncan O'Leary	Anvil Innovations
Peter Padelopoulos	Anvil Innovations
Julian Murphy	AWE
Julie Etheridge	AWE
Malcolm Spence	AWE
Jeff Sargent	BAe Systems
Jim Rowan	BAe Systems
Keith Armstrong	Brooklands College
John Ling	Corus
Joan Cocksedge	DTI
Jeff Kapp	Ford
Bob Orme	Loctite
John Harris	MERL
Bill Broughton	NPL
Bruce Duncan	NPL
Elena Arranz	NPL
Greg Dean	NPL
Jeannie Urquhart	NPL
Maria Loderio	NPL
Paul Tomlins	NPL
Richard Mera	NPL
Sam Gresham	NPL
Richard Roberts	Pira
Bob Lewin	Rolls Royce
Terry Twine	RSC
Ewen Kellar	TWI
Mehdi Tavakoli	TWI
Richard Court	TWI
John French	Vantico

APOLOGIES RECEIVED FROM

Bernard Sikkell	3M
Dubravko Nardini	Alcan
John Hunter	Alcan
Dave Dixon	BAe
Peter Godfrey	Caswell
Mike Lavery	Evode
Martin Fakely	Permabond
Steve Abbott	SATRA
Shaun Hurley	Taywood

1. INTRODUCTION, WELCOME AND AGREEMENT OF AGENDA

Jeff Kapp (Ford) as chairman welcomed the attendees. The Agenda for the meeting was agreed.

This first meeting of the DTI funded Measurement for Materials Systems, MMS7 project - Towards an Adhesives Design Toolkit, was held in conjunction with other adhesives related projects within the MMS programme. These other projects were: MMS8 – Interfacial Adhesion Strength and MMS11 – Fatigue and Creep in Joined Systems. The minutes from the these two projects can be found on the NPL website at <http://www.npl.co.uk/npl/cmmt/cis/mms8/mms8intro.html>.

2. ACCEPTANCE OF NOTES OF THE LAST MEETING

As this was the first meeting there were no notes from the last meeting to review, although this will be an agenda item for future meetings.

Action 1.1: Richard Court to place a copy of the minutes from this first meeting on the Adhesives Toolkit website.

3. REVIEW OF ACTIONS FROM LAST MEETING

There were no actions to review, since this was the first meeting. This will be an agenda item for future meetings.

4. REVIEW OF PROJECT PROGRESS

Ewen Kellar presented details of the overall aim and vision of the MMS7 project, along with details of progress on the various tasks. A copy of the presentation is available for download as a PDF file <http://www.adhesivestoolkit.com/Information/MMS7%20IAG11.pdf>

A preliminary analysis of the industrial survey undertaken in Task 1 was given which showed that there was a very strong industrial demand for an adhesives selection module and a stress analysis package incorporating failure criteria.

The presentation included a live demonstration of the toolkit and an ‘artists impression’ was also given of the anticipated look and feel of the final site.

Action 1.2: Richard Court to arrange for a copy of the presentation to be placed on the Adhesives Toolkit website.

5. DISCUSSION OF PROJECT AND FUTURE PLANS

After the presentation there were some questions from members of the IAG.

Peter Luker (PALS) asked who would be the target users of the Adhesive Toolkit? Ewen Kellar replied that the target users were as wide a range as possible, but that the toolkit would ideally reach lots of UK based SMEs.

There was a discussion about whether some organisations would perhaps not be co-operative about this adhesives toolkit web-site, because they felt that their web-site was already doing a good job. Ewen Kellar replied that the toolkit would attempt to get everyone involved, and stressed that it would be there to complement the products and services on offer from suppliers, creating a hub from which potential end users can locate the appropriate products that will meet their requirements. He also added that many other adhesives web-sites did not rank very highly in internet searches using various search-engines, which suggests that the Adhesives Toolkit web-site could become a valuable

'first port of call' for all adhesives users, since it is designed to achieve high visibility in an internet search.

Jeff Kapp (Ford) commented that datasheets from various adhesive suppliers were often not comparable, since different tests were used. Ewen Kellar suggested that the Toolkit could help with standardisation.

Ewen Kellar made a plea for interaction from the IAG, using the Forum part of the web-site. In particular, case history contributions would be helpful.

Action 1.3: Richard Court to arrange for members of the Industrial Advisory Group (IAG) to be e-mailed with details of their username and password for access to the Adhesives Toolkit by mid-Sept '02.

6. PROJECT FINANCIAL STATUS

An up-date on the project spend and progress was provided, with spend currently ahead of budget (simple linear extrapolation) but the project is ahead in progress on the various tasks.

7. DTI MATTERS

Joan Cocksedge had no specific comment to add during the meeting.

8. ANY OTHER BUSINESS

No other items were raised.

9. DATE OF NEXT MEETING

The second meeting of the MMS7 IAG will take place on 4 December, 2002, at the same time as the IAG meetings for the MMS8 and MMS11 projects. The venue is still to be confirmed and is likely to be either at NPL or TWI.

Action 1.4: Richard Court to circulate details of the second IAG meeting in October, 2002.

10. SUMMARY OF ACTIONS

Action 1.1: Richard Court to place a copy of the minutes from this first meeting on the Adhesives Toolkit website.

Action 1.2: Richard Court to arrange for a copy of the presentation to be placed on the Adhesives Toolkit website.

Action 1.3: Richard Court to arrange for members of the Industrial Advisory Group (IAG) to be e-mailed with details of their username and password for access to the Adhesives Toolkit by mid-Sept '02.

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