

Education & Training in Explosives

13 - 15 June 2007, at the
Defence Academy, Shrivenham, UK



Education and Culture

Leonardo da Vinci
Pilot Projects

EU
Excort
Certifying Expertise in
European Explosives Sector

Outline Programme

Wednesday 13 June 2007

1230 - 1400	Registration & Coffee
1400 - 1405	Conference Administration, Michael Hewetson , <i>Director International Symposia</i>
1405 - 1415	Welcome & Introduction to the Theme, Professor Ian Wallace , <i>DCMT, Cranfield University</i>
1415 - 1500	Learner as worker, worker as learner: new challenges for education and training Nicky Solomon , <i>City University</i>
1500 - 1530	<i>Afternoon Tea</i>
1530 - 1615	Setting the scene Professor Ian Wallace , <i>DCMT, Cranfield University Shrivenham, UK</i>
1615 - 1645	EUExcert certifying expertise in the European Explosives Sector Erik Nilsson , <i>KCEM, Sweden</i>
1645 - 1715	The MOD approach to up-skilling in weapons and OME Rob Parry , <i>Ministry of Defence</i>
1715 - 1745	Explosives education and training needs in Eastern Europe and developing countries Adrian Wilkinson , <i>SEESAC</i>
1745	<i>Welcome Reception</i>

Thursday 14 June 2007

0930 - 1000	UK Explosives Competence: The Way Ahead Maj (Retd) Nigel Capel and Denise Clarke , <i>SSB for EMSO Ltd</i>
1000 - 1030	Explosives Safety Competence in the Test and Evaluation Environment Peter Honey , <i>QinetiQ</i>
1030 - 1100	<i>Morning Coffee</i>
1100 - 1130	Portuguese Education and Training for the workers involved in the Civil Explosives Sector José Carlos Góis , <i>University of Coimbra, Portugal</i>
1130 - 1200	Education and Training for Explosives Specialists in the Czech Republic Milos Ferjencik , <i>University of Pardubice, Czech Republic</i>
1200 - 1230	Explosives Education in Finland - Ammunition Safety Course Irmeli Tuukkanen , <i>Finnish Defence Forces Material Command Headquarters</i>
1230 - 1300	About parametric evaluation of the risk and hazard level in production and storage of energetic materials Andrzej Papiński , <i>Institute of Industrial Organic Chemistry, Poland</i>
1300 - 1400	<i>Buffet Lunch and Exhibition</i>
1400 - 1430	Competence development between the Norwegian Armed Forces and Nammo Raufoss AS Sigmund Sofienlund , <i>Nammo Raufoss AS</i>
1430 - 1500	Workplace based qualified vocational training and education Bengt Svensson , <i>Bofors Test Center</i> Gisela Spak , <i>Masugnen Utveckling AB</i>
1500 - 1530	<i>Afternoon Tea and Exhibition</i>
1530 - 1600	Nexter Munitions Energetic Material Handling Nicole Forichon Chaumet , <i>Nexter Munitions</i>
1600 - 1630	Harmonised European training and training requirements for end users of explosives in the civil sector - dream or reality? Aslak Ravlo and Karl Kure , <i>European Federation of Explosives Engineers (EFEE)</i>
1630 - 1700	Workplace based qualified vocational training and education Hanne Randle , <i>Karlstad University, Sweden</i>
1700 - 1730	Critical Mass and Knowledge Management at Roxel Group Jim Fleming , <i>Roxel Group</i>
1930 - 2330	<i>Pre-Dinner Drinks followed by Formal Dinner</i>

Friday 15 June 2007

0930 - 1000	Safety is more complex than we believe Jorma Karhulahti , <i>HI-Plan Oy</i>
1000 - 1030	A principled approach to the development of Flexible Learning Materials for the Explosives Industry Katie Janota and Bernard Scott , <i>DCMT, Cranfield University</i>
1030 - 1100	<i>Morning Coffee</i>
1100 - 1130	Title tbc Pete Bayley , <i>ECDL</i>
1130 - 1200	Higher education and training of European Explosives Specialists, some suggestions for European co-operation founded on the Bologna process Professor Dan Loyd , <i>Linköping Technical University</i> Hans Wallin , <i>KCEM, Sweden</i>
1200 - 1245	Plenary Discussion
1245 - 1300	<i>Closing Remarks</i>



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Timings and registration

The symposium will be held in the Wellington Hall Lecture Theatre at The Defence Academy of the United Kingdom at Shrivenham, starting at 1400 hours on Wednesday 13 June (registration in the Slim Hall from 1300 hours) and finishing at 1300 hours on Friday 15 June. If you wish to attend the symposium, please complete and return the attached **Registration Form**, to the address below **before 27 April 2007**. It is regretted that it is not possible to accept shared registrations.
Please book early to ensure a place.

All forms should be mailed or faxed to:

International Symposia Office
DCMT, Cranfield University
Defence Academy of the United Kingdom
Shrivenham, Swindon
Wiltshire SN6 8LA UK

Mrs Caroline Dawson - Symposia Office
T. +44 (0)1793 785268
F. +44 (0)1793 785325
E. caroline@symposiaatshrivenham.com

Theme for 2007

13 - 15 June 2007

Background

From the outcomes of the EUExcert project and the 2005 EUExcert symposium on training and education for explosives specialists it was evident that no European country had competencies for workers in the explosives sector. EUExcert together with Cranfield University are holding a second symposium in June 2007 on a similar subject to which you are invited.

Although the explosives sector is highly regulated due to the hazardous nature of the materials, the competencies of the workers in the explosives sector are not regulated in detail. It is a fact that no measurable qualification which is linked to competencies exists in Europe for workers in the explosives sector. The only training given to explosives workers is in-house training which is not transferable between companies and countries; this training has no status or recognition. Due to the increase in skills shortage, it has come to the attention of the explosives sector that, not only is there a lack of competent people, but there are no standards to which to measure these competencies.

EUExcert was set-up at the end of 2003 and is funded by the Leonardo da Vinci programme to ensure that workers in the explosives community have the skills and competencies required to safely sustain activities involving explosives. In this programme of work there are currently five partner countries. However this will be increasing to 12 partner countries in the new programme of work which will commence at the end of 2006. This symposium is intended to bring together those involved in these activities to discuss and share their experiences.

Theme

This symposium will examine the development of a range of explosive competencies and qualifications in research, design and development, safety management, test and evaluation, manufacture, maintenance, procurement, storage, transport, and disposal. Current and future requirements will be presented together with flexible training approaches to meet these needs. In addition, the setting up of a Foundation will be discussed with a view to awarding a European Explosives Certificate.

Displays

Time will be allotted to the displays and we offer companies, departments and establishments an opportunity to display their products or advertise their capability. The options available, and costs, should be discussed with the organisers direct. Please contact Mrs Caroline Dawson (details below left) as soon as possible.

Please Note: Display personnel need to register as delegates if they wish to attend symposium presentations and meals.



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This project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

www.euexcert.org

Registration and Costs

13 - 15 June 2007

TO BE RETURNED BY 27 April 2007

Two easy ways to register:

1. **Mail** return the completed form with payment details to:

International Symposia Office
DCMT, Cranfield University
Defence Academy of the United Kingdom
Shrivenham, Swindon,
Wiltshire SN6 8LA UK

2. **Fax** +44 (0)1793 785325 for Mrs Caroline Dawson
International Symposia Office (Tel +44 (0)1793 785268)

Registration fee **£250**

This registration fee includes a delegates' reception, buffet lunches on both days, a formal dinner, bus pick-up service from selected hotels and all beverages during the symposium sessions.

Accommodation

Blocks of rooms at a preferential rate have been reserved at selected hotels by Venues Unlimited. These hotels, from which a complimentary bus pick-up service to and from the Defence Academy will be arranged, are listed below.

Please send me a hotel accommodation form

I intend to book accommodation at:

- Blunsdon House Hotel **£98.00** per night bed and breakfast
 The Madison Hotel **£76.50** per night bed and breakfast
 Holiday Inn (Marlborough Road) **£73.00** per night bed and breakfast
 The Marriott Hotel, Swindon **£90.00** per night bed and breakfast

I will use the bus pick-up service from the above named hotel

Daily

I have made my own accommodation arrangements

- Own choice
 I wish to attend the formal dinner on 14 June 2007

Travel options will be sent to delegates in the administrative notes mailed out in late May.

To register, please first complete the following details (in BLOCK PRINT)

Title _____

Initials _____

Surname _____

Forename _____

Date of Birth _____

Position _____

Organisation _____

Address _____

Post/ZIP Code _____

Telephone _____

Fax _____

e-mail _____

Your Purchase Order number (if required) _____

Three methods of payment (please tick):

- Cheque** made payable in sterling to Cranfield University
 Invoice we may need your Purchase Order number
 Credit/Debit card

Please debit my Visa / MasterCard / Amex (delete as required)

Card No. _____

Security No. _____
(last 3 digits on back of card)

Expiry date _____

Name on card _____

Signature _____

You may prefer to give us your debit/credit card details over the phone

"THE SMALL PRINT"

CANCELLATIONS. Substitutions are welcome and may be made at any time, at no charge, provided the organisers are informed prior to the start of the event. If you have to cancel your booking, please do so in writing to Cranfield University. Cancellation up to 10 working days prior to the start date is subject to a £100 administration fee, after which, regrettably, no refund can be made. Refunds will be processed after the event.

PROGRAMME CHANGES. It may be necessary, for reasons beyond the control of the organisers, to change programme content, speakers and/or timing of the event. Neither Cranfield University nor the Defence Academy is liable for any changes.

DATA PROTECTION. If you have received correspondence from us where the personal or company details are incorrect, please contact the International Symposia Office so that we may update our records. Cranfield University gathers and manages data in accordance with the Data Protection Act 1998. The information may be used to update you on our other events and courses. Please tick this box if you do not wish us to do so. If requested, we would like to make your contact details available to other attendees at this event. Please tick this box if you do not wish us to do so . Full Terms & Conditions for Cranfield University apply and may be supplied on request.

www.symposia@shrivenham.co.uk