

Waterborne Demonstrations

The waterborne demonstrations are held over all four days of DSEI and take place in the Royal Victoria Dock. They are best viewed from the grandstand on the Dock Edge. The demonstrations themselves consist of individual capability demonstrations from a number of world leading maritime and UAV companies. There will be at least 8 small vessels and Ribs who will participate in two daily waterborne demonstrations at 1200 and 1530.

The 8 small vessels include:

- **Atlas** with ARCIMS remote minesweeping vessel
- **Delta Power** RIB
- **MST** showcasing from Belgian OPV
- **Holyhead** ORC demonstrated by Royal Marines
- **Supacat** showcasing new engine
- **Chemring** chaff launcher
- **Survitec** RIB

This year it is currently planned for three Royal Navy vessels and at least five other vessels to be attending the exhibition.

- Royal Navy Type 23 Frigate
- Royal Navy River Class Offshore Patrol Vessel
- Royal Navy Hunt Class MCMV
- German Navy - FGS Ludwigshafen
- Belgian Navy - 52 metre Coastal Patrol Vessel BNS Castor
- Two Indian Navy Frigates
- MV. Partisan - Training vessel

All of these vessels will be open to Exhibitors and Visitors for guided tours. You can book a space through the **Ship Visit Office**, open from Tuesday 15 September in the DSEI boulevard.

Medical Innovation Zone (MIZ) Demonstrations

DSEI 2015 will feature the Medical Innovation Zone (MIZ). This exhibition will demonstrate the latest advances in clinical care from point of injury or illness through the entire treatment pathway to rehabilitation. In addition to the exhibition there are regular demos as part of the MIZ. The activity programme in the MIZ will include key scripted capability demonstrations led by Defence Medical Services (DMS), which will take place twice a day throughout the week for an hour and a half each time.

The demonstration topics will cover the following:

- **Battlefield Advanced Trauma Life Support (BATLS)**
- **Medical Emergency Response Team (MERT)**
- **Resuscitation**

- **Surgical Simulation**
- **Lightweight and Manoeuvrable**
- **Biomedical Scientist (BMS)**
- **Rehabilitation**
- **High Altitude Military Medicine Research Stand**
- **Military Mental Health**
- **Ebola Virus Disease Treatment Unit**

Battlefield Advanced Trauma Life Support (BATLS)

The appropriate response in the 'platinum' 10 minutes following a trauma event has been shown to dramatically improve/increase survivability. Instructors from the Defence College of Healthcare Education and Training (DCHET) will demonstrate how military medics are trained to provide the care in the most demanding of circumstances.

Medical Emergency Response Team (MERT)

Significant medical advances were made in to the provision of pre-hospital emergency care during the Afghanistan era. The MERT provide a consultant led emergency medicine response for seriously injured patients, during transit of the patient to a field hospital. The MERT stand will demonstrate how they have developed into a world class emergency medicine response to injured personnel on operations, by projecting SMEs forward to the point of wounding.

Resuscitation

The Medical Innovation Zone (MIZ) Resuscitation demonstration area will be coordinated by an Emergency Medicine consultant and staffed by a trauma team that will demonstrate working in a lightweight and mobile configuration.

Surgical Simulation

There will be a demonstration of the use of a synthetic torso, which is used by DMS surgeons for training. The simulated torso provides the entire operating theatre team with a realistic medium on which to train.

Lightweight and Manoeuvrable

Integral to any field hospital are the Radiography and Pathology Depts. These will be on display, in a lightweight and extremely portable format.

Radiography. There is to be a demonstration of the portable lightweight DR Go Digital Radiography equipment which produces high quality direct digital radiology imaging almost anywhere. Its compact lightweight generator, rugged cases, and packed in to a bergan, allows rapid imaging to take place away from medical facilities, improving the quality of care within emergency medicine. The system will be set up on a mobile lightweight stand for ease of use.

Biomedical Scientist (BMS) 'BMS and a Bergan' is an innovative approach taking the diagnostic expertise to the casualty as far forward on the battlefield as possible. Utilising compact, portable, robust, equipment packaged together in a one-man portable packing solution carried by the BMS it provides flexible, adaptable, diagnostic support wherever

required. This concept delivers both the equipment and skilled individual closer to the casualty allowing more effective diagnosis and management enabling reduced casualty evacuation, prolonged field care and improved medical force protection.

Rehabilitation

Key demonstration objectives are those intended to demonstrate the full potential of Role 4 Rehabilitation in a complex trauma theme and highlight lessons learnt from recent operational experience, up-to-date and evidence-based clinical care and new research available supporting the function of complex trauma rehabilitation.

High Altitude Military Medicine Research Stand

Mountainous terrain provides sanctuary for hostile forces, particularly terrorist organisations. Many military operations require the rapid deployment of troops to these mountainous regions. However, rapid ascent of un-acclimatized troops to high (>1200m) mountainous environments causes debilitating effects on fighting capabilities (physical and cognitive work performance) and force health status (altitude sickness). The high altitude stand will showcase current research in this area.

Military Mental Health

There will be poster displays to highlight 100 years of military mental healthcare, a decade of military mental health research (i.e. the advances during Iraq and Afghanistan conflicts and the through-life cycle of military mental health. In addition the stand will demonstrate innovative mental health support with the demonstration of the 'Big White Wall' and 'SilverCloud' online support systems, plus a demonstration of TRiM – Trauma Risk Management. There will be video material of mental health promotion in the Armed Forces. There will be a demonstration of Trauma Focussed Psychotherapy with an Eye Movement Desensitization and Reprocessing (EMDR) light box on hand for practitioners to explain and demonstrate its functionality

Research

Research in the Defence Medical Services (DMS) is underpinned by the DMS Research Strategy. Examples of current DMS research will be on display in poster format.

Ebola Virus Disease Treatment Unit

Military support to the Ebola Virus Disease outbreak in West Africa will be demonstrated. In particular focussing on the staff of the Army Medical Services Training Centre will demonstrate how they trained their military and non-military staff in preparation for deployment.

Once you have registered to attend DSEI, you will have access to the full programme details which will be published from mid July in the secure 'Visitor Portal'. To register [click here](#)