

STIMULATING TIMES

A warm welcome to ESL's newsletter, Stimulating Times, our opportunity to highlight new developments and events in the company. The challenges of ensuring that defensive aids systems (DAS) provide an effective and reliable protection against a variety of threats remains at the heart of our business. This year has seen the launch of several innovative products as we introduce new technologies to enhance our product lines. Most notable among these are the Griffen, MAST and UV LED Mallina long-range UV stimulators, providing a comprehensive portfolio of devices to address both the T&E and Air Crew Training (ACT) domains. Articles on each of these will be included in future editions of Stimulating Times. We are pleased to remind you that we are proud to be part of Textron Inc and will be exhibiting at DSEi in September, Stand 1324.

Bob Fox, Managing Director



UV LED MALLINA (UVLM)

UVLM is a long-range Electro Optic (EO) system designed to stimulate UV threat warning systems, such as AN/AAR-47, -54, -57 (CMWS) and -60 (MILDS) and is designed to be used as a developmental / operational Training and Evaluation (T&E) tool and as a training aid for

aircraft survivability equipment.

To meet the continuing demands of T&E and improvements in the design of threat warners, with the increasing need for 24/7 training, UVLM has been developed to offer the customer a number of benefits to address the above needs and demands.

- Three output irradiance options to match affordability with optional requirements.
- Increased dynamic frequency modulation and rise time, with reduced minimum ejection pulse width, offering capability to simulate complex threats (hostile fire).
- No visible or Infra-Red (IR) output, thus ensuring no blinding of aircrew during night-ops and eliminating a false IR target when testing against a DIRCM system.
- Single module configuration reducing overall size, weight and profile, offering easy portability.
- Inputs/Outputs compatible with lamp-based Ultra-Violet (UV) Mallina, offering guaranteed inter-changeability.
- Internal 12v power or External 48 VDC.

The ESL Threat Emitter range comprises Griffen, UVLM, MAST, IRM-16, Phoenix & Portable Range Threat Simulator (PRTS)

Thank you for reading Stimulating Times, ESL's first of many newsletters. We will be using these bulletins to keep you informed of our latest product innovations and major news related to ESL. I have now been with ESL Defence for six months, having spent the last 12 years of my career with Cobham plc and I have met many of ESL's customers already. I'm looking forward to meeting many more at DSEi and during travels over the coming months. We welcome feedback from you concerning what you would like to see covered in future issues of Stimulating Times.

Steve Yoxon, Head of Sales & Marketing

Exhibitions:

ESL / AAI staff can be found at the following exhibitions / events in the near future. We look forward to seeing you there.

8-11 Sep	DSEi, 1324 USA Pavillion
20-23 Oct	Seoul Air Show (Textron Booth)
9-12 Nov	Aircraft Survivability Symposium USA
11-14 Nov	Expomil, Bucharest
2-3 Dec	EW Symposium, Shrivenham UK

Air Crew Training (ACT)

Pilot training coupled with test and evaluation of EW Aircraft Survivability Equipment (ASE) systems requires extensive flight testing, which is necessary to verify pilot skills and validate countermeasures.

Home-base ACT is performed as the aircraft leaves base, circling around to enable stimulation of ASE so as to provide pilot confidence and experience against attack. The Griffen medium range, hand-held UV threat warner stimulator fits this application.

Portable ACT is used to create, validate and train Doctrine & Tactics across a wide range of platforms, environments and realistic engagement scenarios. Opposing Forces war-gaming is an element of this and is performed to push pilots to their limits, thus reducing negative training. The MAST cost-effective, man-portable ASE system trainer fits this application.

Fixed Site ACT takes place at a number of dedicated ranges Worldwide and offers "True" Warfighter Training for combat aircrews and provides a modern, reactive battlespace war environment, designed to help train military personnel to identify and effectively counter enemy missile or artillery threats. The UV LED Mallina long range, pedestal mountable UV threat warner stimulator fits this application.

Today's warfighter is facing ever increasing numbers of threats, changing at an ever increasing rate. As the number of threats increases, so does the maintainers' testing and training complexity. As the developers of Baringa, MEON, AN/USM-670 JSECST and UV Mallina, ESL and AAI has provided maintainers with many tools required to address testing problems. The Portable Range Threat Simulator is the latest instrument that can be added to the maintainer's toolbox.

**Hand-Over Training**

ESL will be happy to provide informal hand-over training if required when taking delivery of our products. Please advise at time of ordering and note that venue and method of hand-over training will depend upon logistical considerations and may be by telephone / WebEx. If you require further information, please contact emma.cogdell@esldefence.co.uk

DSEi 2009

8-11 September

ExCel

London, UK

Advanced Bore-sight Equipment (ABE*)
Aerosonde* Unmanned Aircraft Systems (UAS)
Armored Security Vehicle (ASV) with Enhanced Turret
Griffen Missile Warning System Tester
Handheld Radar Simulator (HRS)
Hydra Laser Warning System Tester
Lightweight Small Arms Technologies (LSAT)
Mallina Beacon System DRCM T&E/Training Aid
Man-Portable ASE System Trainer (MAST)
Phoenix Lite IR MAAW T&E Training Aid
Scorpion Intelligent Munition System
Shadow* 200 Unmanned Aircraft System (UAS)
Solent IR Jammer Tester
Spider Networked Munition System
Tactical Unattended Ground Sensors (T-UGS)
Universal Test Set (UTS)
Urban Unattended Ground Sensors (U-UGS)

TEXTRON Systems

We invite you to visit
Booth 1324

TEXTRON Defense Systems

TEXTRON Marine & Land Systems

ESL UPDATES**August 31st - Bank Holiday - Office Closed**

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