SOCIETY OF DEFENCE TECHNOLOGISTS

2-Day Workshop (Non-residential)

ON

"HALT & HASS"

Date:- 22nd & 23rd August 2019

Venue:-

BEL Officers Club
JalahallI Post,
Bengaluru – 560 013

Registration:-

Registration fee will be Rs.4,000/-(Rupees Four Thousand Only) per delegate plus 18% GST. Payment shall be made through Net Banking in favour of Society of Defence Technologists. For further details please contact:- Secretary General, Society of Defence Technologists, C/o Bharat Electronics Limited, Bangalore – 560 013. **Telefax:-080-28382612, E-mail:-** sodet@bel.co.in **and Mobile No.9449821481.**

SODET Bank Details for sending the amount through fund transfer

Name of the Bank	: -	State Bank of India
Name of the Branch	: -	BEL Factory Campus
Account No	: -	10838595127
A/c Holder	: -	Society of Defence Technologists
MICR Code	: -	560002115
IFSC Code of the Bank	: -	SBIN0010369
Account Type	: -	Current Account
GST Number	: -	29AADTS1687A1ZF
PAN No.	:-	AADTS1687A

Brief About Workshop

Highly accelerated life test (**HALT**), is a stress testing methodology for enhancing product reliability. HALT testing is currently in use by major manufacturing and research & development organizations to improve product reliability in a variety of industries, including electronics, computer, medical, and military.

Highly accelerated life testing (HALT) techniques are important in uncovering many of the weak links of a new product. These discovery tests rapidly find weaknesses using accelerated stress conditions. The goal of HALT is to proactively find weaknesses and fix them, thereby increasing product reliability. Because of its accelerated nature, HALT is typically faster and less expensive HALT is a test technique called **test-to-fail**, where a product is tested until failure

HASS testing (Highly Accelerated Stress Screen) is an accelerated reliability screen that can reveal latent flaws not detected by ESS (Environmental Stress Screening), burn-in and other test methods. HASS testing uses stresses beyond specification, but within the capability of the design as determined by the HALT.

Because the stresses in HASS are more rigorous than those delivered by traditional approaches, HASS testing substantially accelerates early discovery of manufacturing process issues. Reliability engineers can then correct the variations that would otherwise lead to field failures and virtually eliminate shipment of marginal product.

PROGRAMME DETAILS

22nd August 2019

Time	Event and Topics
09.15AM – 09.30AM	Welcome Address by Secretary General, SODET
09.30AM – 09.45AM	Inauguration
09.45AM – 10.00AM	Keynote Address by Shri R H Muralidhara Director (Defence Business), BEML
10.00AM - 10.15AM	Tea Break
10.15AM – 11:00AM	Session – I – Introduction to Environment Testing
11.00AM –12.00Noon	Session – II – Need for HALT & HASS
12.00Noon – 01.00PM	Session – III – Equipment and Facilities Required Standards
01.00PM – 02.00PM	Lunch Break
02.00PM – 02.45PM	Session – IV- Case Study from LRDE
02.45PM – 03.30PM	Session – V – Testing – Limitations and Special Precautions
03.30PM – 03.45PM	Tea Break
03.45PM – 05.00PM	Session VI – Case Study from BEL

23rd August 2019

Visit to BEL QA Division