

# DACMT Courses

## Military Electronic Warfare

Course No: 402/046

Aim of Course	Outline of Syllabus	Remarks
<p>An introductory course designed to provide military weapons electronic engineers with a foundation in the techniques used in Electronic Warfare (EW). The material covered will encompass applications to communication systems, radar systems, and electro-optic systems.</p>	<p>The instruction will include lectures on techniques and case studies drawn from mission examples. The communications element of the course will examine the use of modern signal-processing techniques as applied to the EW aspects of system design. It will review specific ECM/EPM techniques such as spread spectrum, jamming and adaptive antennas and cover their use in connection with typical military communication systems.</p> <p>The radar and electro-optic elements of the course will examine the use of EW techniques in the suppression of the radar and electro-optic sensors that are used for target detection and weapon guidance.</p> <p>For this, the principles underlying radar sensors, electro-optic sensors and weapon guidance will be addressed, and then radar elint/ESM and radar and electro-optic ECM/EPM will be discussed.</p>	<p>Capacity is 25 personnel.</p>

Rank Range	Entry Standards	Duration	Qualifications gained	Frequency
	None specified	3 days		1 course per year

<p>Contacts</p>	<p>IDT(A)3 Tel: +44 1980 615685 email: idta3-ops@artd.mod.uk</p>	<p>IDT(A) Fax +44 1980 618079</p>
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