



Issue 1
July 2004

This issue

Welcome

LV2 Orders

Wireless

Intercom

Exhibitions



THE QUEEN'S AWARDS
FOR ENTERPRISE



Welcome

Welcome to the Chelton Defence Communications *News Update* newsletter.

News Update is a bimonthly publication available through our website which can be found at www.cheltondcweb.com

Chelton Defence Communications is a long established innovator and manufacturer of intercommunications systems for military and rugged environments. Designs have evolved over the years from traditional analogue systems to complex digital designs and our latest products are in line with network centric thinking using Internet Protocol (IP) solutions to provide open architectures.



We are qualified to ISO 9001-2000 and were recently presented with the Queens Award for Enterprise.

To date we support more than 20 Defence Agencies world-wide who have installed our equipment on more than sixty different platforms. We manufacture all of our products and continue to support over 35,000 systems throughout the world.

10,000 Units and Rising!

2004 saw the 10,000th Light Vehicle (LV2) intercom unit manufactured and delivered to the US Army. The system has been used extensively in theatre throughout the world and is now battle proven like it's larger sibling VIC-3. The LV2 is primarily used in Up Armored HMMWV's and with the addition of our wireless system, CWICS, the functionality of the LV2 can be further enhanced without modifying the installed base.



CWICS provides the ability to fully "wirelessly" dismount the whole communications assets to a squad of soldiers performing traffic duties in peacekeeping activities .

Wireless Intercoms - CWICS

The Chelton Wireless Integrated Communications System is not just another radio but is a next generation full duplex digital wireless system providing simultaneous voice and data for dismounted soldiers and crew alike.

The CWICS allows the intercom and allows simultaneous duplex in a small rugged As well as intercom any on the vehicles on-board communicate over VHF or HF return to the vehicle.



channel to be broadcast without interruption to the wireless users talkback between these users and the crew, "Full wireless system"

wireless user can select one of three transceivers and radios without the need to



In addition to the above capabilities the transmission at data rates up to 64 kbps.

system can support simultaneous data

The wireless range is up to 400m and the power is automatically adjusted to prevent band saturation and ensure that the maximum number of channels can be used within the spectrum. The automatic power adjustment also ensures that the battery life of the system is maximized.

These capabilities are achieved using a 2.4 GHz ISM band transceiver that is frequency hopping across the band to ensure LPI.

The integration of the system in the FFCS/W allows LV2, ROVIS or AN/VIC-3 systems to be upgraded in the field without any system modifications, simply replace an FFCS with the FFCS/W and the system is ready to operate with the Chelton Personal Radios (CPR's)

Exhibitions and Conferences – *Chelton will be present at the following exhibitions over the coming months*

Farnborough Airshow, Farnborough, UK	19 th – 25 th July 2004
Africa Aerospace and Defence Show, SA	21 st – 25 th September 2004
Defence Asia 2004, Seoul, S Korea	6 th – 10 th October 2004
AUSA – Washington DC, USA	25 th – 27 th October 2004

CHELTON Defence Communications Ltd

Haslingden Road Blackburn

Lancashire United Kingdom BB1 2EE

T// +44 (0) 1254 292010 F// +44 (0) 1254 292035 E// sales@cheltondc.com W// www.cheltondcweb.com

© Chelton Defence Communications Ltd.