

COMMUNICATIONS-APPLIED TECHNOLOGY

INTRA-TEAM and RESPONDER-CASUALTY COMMUNICATIONS SOLUTIONS

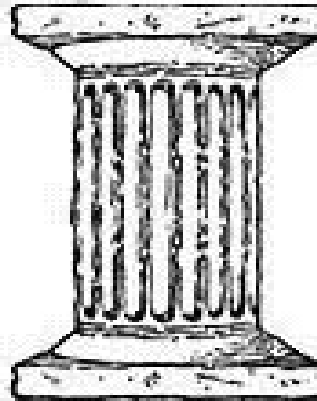
for

MEDICAL EMERGENCY RESPONDERS

in MILITARY, HOMELAND, and OCONUS HUMANITARIAN AID IDLH ENVIRONMENTS

INCLUDING CBRN INCIDENTS

MEDICAL
COMMAND
CONTROL
TELEMEDICINE



COMMUNICATIONS

DWIS™

A practical, effective solution to the limitations of current radio communications available to the FIELD/HOSPITAL TRIAGE, ER, MEDIVAC and Army-SMART personnel utilizing respiratory protection or encapsulating MOPP/PPE.

MEDICAL
COMMAND
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COMMUNICATIONS

DWIS™

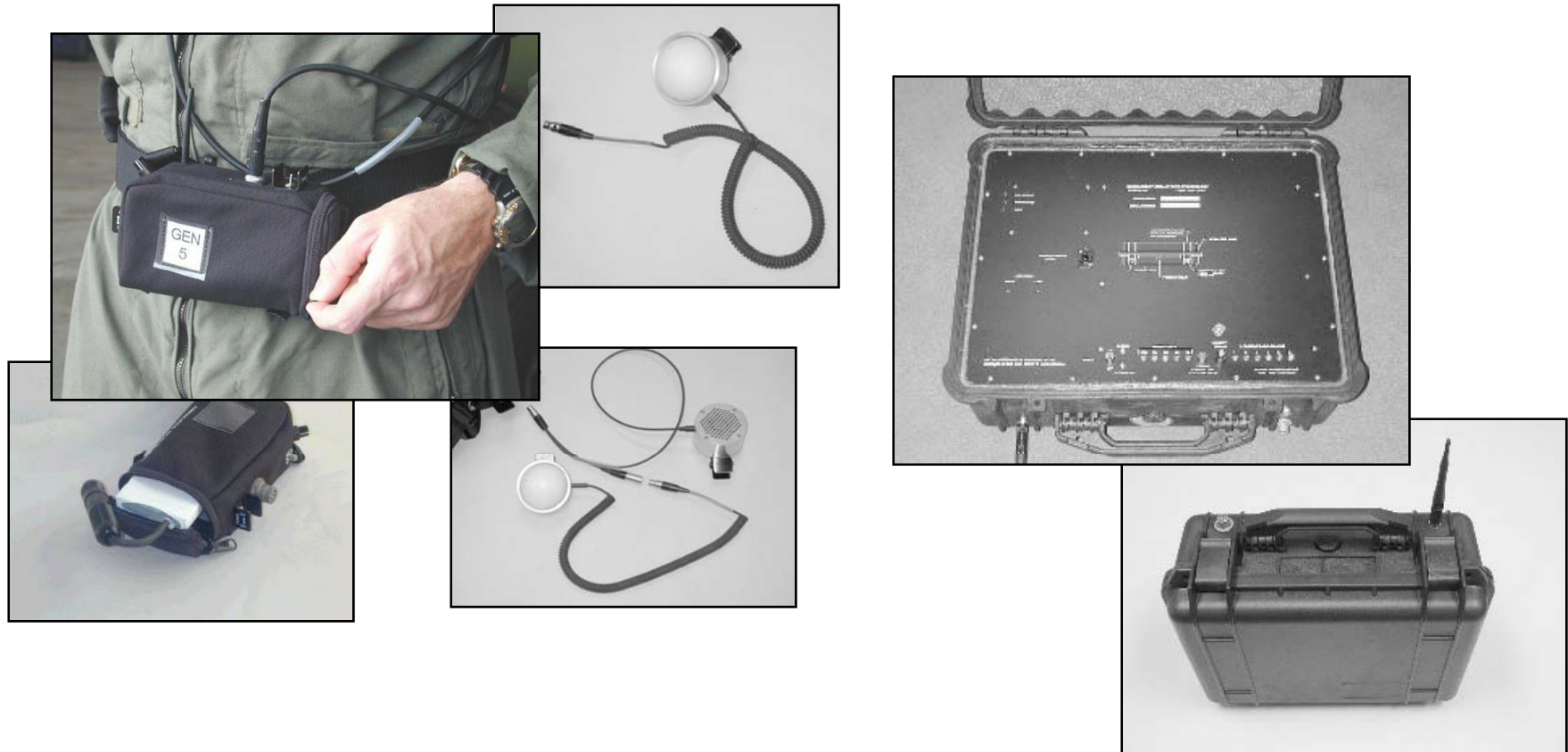
A rugged, highly portable system designed to be rapidly deployed and to enhance the local, state, federal and defense agencies/medical teams responding to disasters, civil-military cooperative actions, humanitarian assistance and/or WMD emergencies in both CONUS or OCONUS settings.

MEDICAL
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COMMUNICATIONS

DWIS: A DIGITAL, WIRELESS INTERCOM SYSTEM DEVELOPED FOR THE VOICE COMMUNICATIONS REQUIREMENTS OF N-B-C MEDICAL OPERATION.



C-AT radios have been Army SBCCOM's "in suit" communications system since 1982; more than 200,000 hours of operation in DPE and Mod-level "A" ensembles.

SPECIFICALLY CONFIGURED FOR
MOPP-3 THRU LEVEL "A" PPE

VIRTUAL HANDS-FREE, 'HOT MICROPHONE"
COMMUNICATIONS CAN BE SELECTED FOR MISSION
PLANNING, and/or INCIDENT RESPONSE BETWEEN THE
TRIAGE MEDICAL PERSONNEL, TRAUMA CENTER ER,
and PUBLIC SAFETY.

VOICE PROJECTION UNIT PERMITS INSTRUCTIONS TO
BE CLEARLY HEARD BY CASUALTIES AND WALKING
INJURED THROUGH SCBA OR MECHANICAL
RESPIRATOR.



PLUG 'N' PLAY INTERFACE TO SATELLITE PHONES,
COMMERCIAL CELLULAR TELEPHONE, FIXED AND ROTARY
WING AIRCRAFT INTERCOMS, AND/OR "GREEN GEAR"
RADIOS (PRC-117/119, SINGGARS, MBITR, SCOPE SHIELD)



CAPABILITIES / SPECIFICATIONS

- COMPATIBLE WITH ALL PPE AND RESPIRATORY PROTECTION
- OPERATING RANGE: APPROX. 750' FROM PORTABLE REPEATER (1500' BETWEEN TEAM MEMBERS)
- SIMULTANEOUS TRANSMISSION BY MULTIPLE USERS... NO DELAYS FOR TRANSMISSION OF WARNINGS OR CRITICAL INFORMATION
- DUPLEX OPERATION...NO REACHING INSIDE A SUIT TO "KEY" A RADIO OR ADJUST A VOX

CAPABILITIES / SPECIFICATIONS

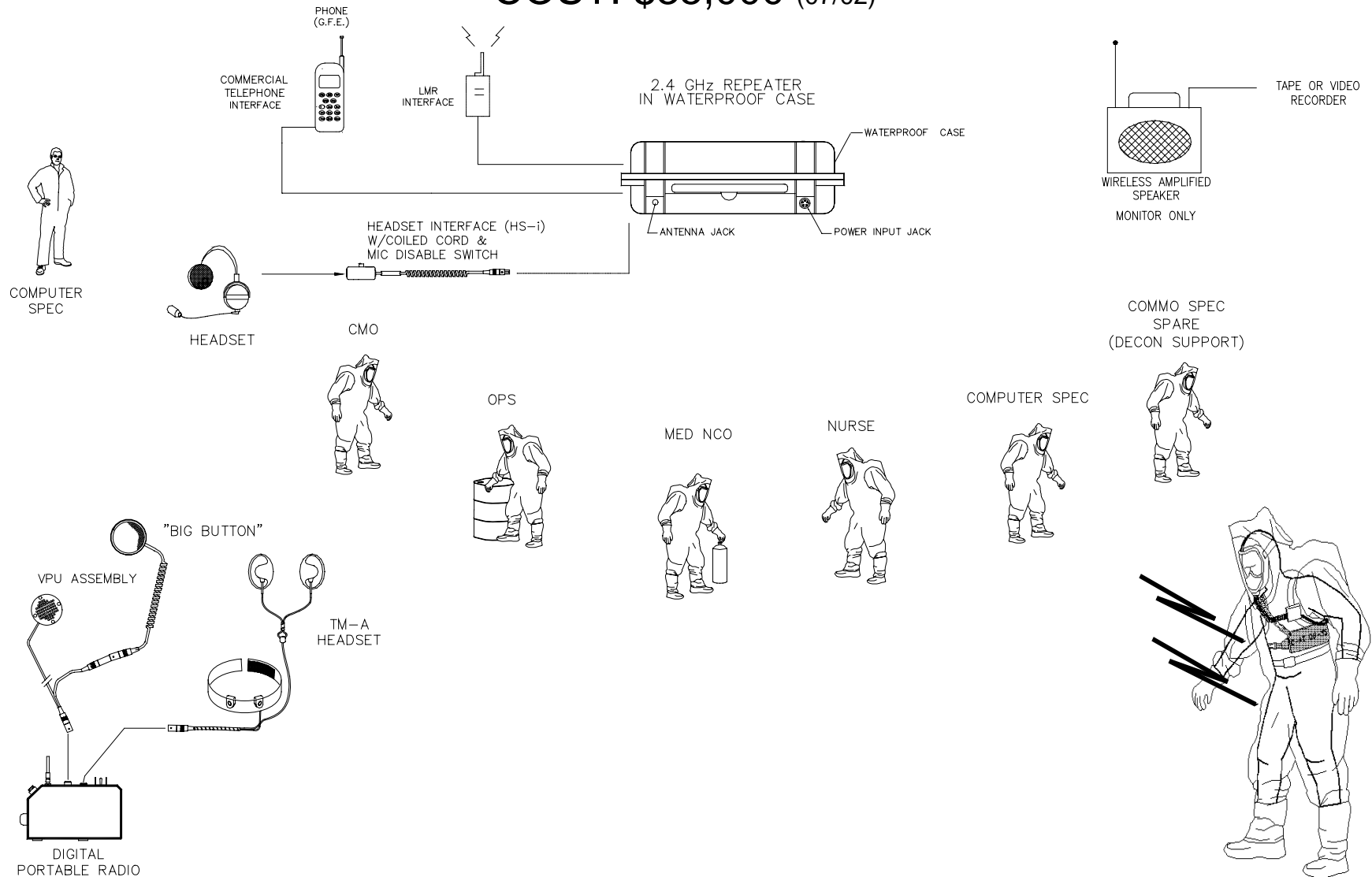
- DIGITAL, MULTI-USER DUPLEX (TDMA)
- SPREAD SPECTRUM, 2.4GHz (11 SUB
“NETS”...UP TO SIX OPERATING IN THE SAME
AREA
- FREQUENCY AGILE DESIGN
- HERO-SAFE EMISSIONS
- INTRINSICALLY SAFE ELECTRONICS
- PORTABLE, BATTERY POWERED.... USING EASILY
REPLACEABLE ALKALINE BATTERIES FOR VIRTUALLY
CONTINUOUS OPERATIONS

CAPABILITIES / SPECIFICATIONS

- MCEB J-12 No. 7462/1, (HOST NATION OPERATION APPROVALS IN-PLACE)
- PLUG-COMPATIBLE WITH ALL MILITARY AND CIVILIAN SCBA AND MECHANICAL RESPIRATORY PROTECTION
- IN-FLIGHT OPERATION APPROVED ON AFSOC AND AMC TRANSPORT AIRCRAFT

PROPOSED DWIS CONFIGURATION FOR N-B-C MEDICAL RESPONSE TEAM BASIC ISSUE

COST: \$35,000 (07/02)

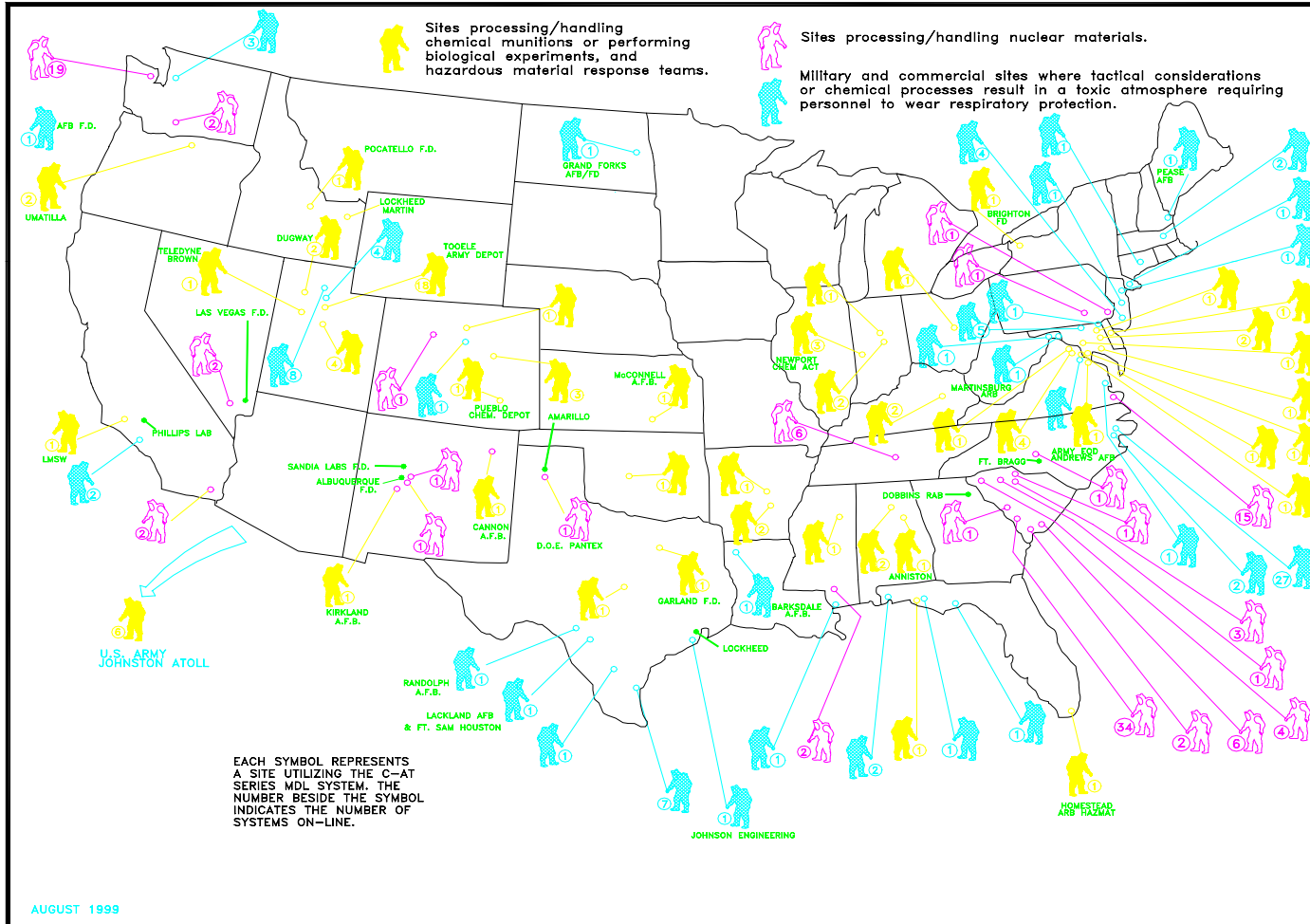


C-AT SYSTEMS IN IDLH ENVIRONMENTS

RED: NUCLEAR MATERIAL HANDLING

BLUE: TOXIC ATMOSPHERES

GREEN: SBCCOM CHEM DEMIL, MILITARY/STATE/MUNICIPAL HAZ-MAT



For Additional Information...

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DOL Veteran-owned, Small Business SIC 3669

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