

AN/VRC-103(V)1 AN/VRC-103(V)2

MULTIBAND, MULTIMISSIION VEHICULAR RADIO SYSTEM

*A fully integrated, 50-watt
communications system,
offering the security and
performance features that
missions demand*



The AN/VRC-103(V)1 multiband, multimission manpack radio system covers the 30 to 512 MHz frequency range with up to 50 watts of transmit output power using the included AN/PRC-117(R) radio transceiver. The system has embedded Communications Security (COMSEC), Transmission Security (TRANSEC), SINCGARS, and Havequick III ECCM capability, with full-circuit protection, DC filtering, VHF/Low FM (30 to 90 MHz) collocation filter, and Satellite Communications (SATCOM) Low Noise Amplifier (LNA). Includes necessary accessories to allow manpack operation using the AN/PRC-117(R) in a "jerk-and-run" configuration. The AN/VRC-103(V)2 model has an additional (225 to 400 MHz) UHF AM collocation filter.

The AN/VRC-103(V) system is fully compatible with VINSON, ANDVT/CYV-5, KG-84C, and 12 Kbps Fascinator encryption in voice and data modes, with full Over-the-Air-Rekeying (OTAR) capability. Storing up to 75 COMSEC keys, the radio supports DS-101, DS-102 TIL, and CT3 interfaces, utilizing all common fill devices.

An embedded software programmable JTC-certified SATCOM and Demand-Assigned Multiple Access (DAMA) modem complies with DOD MIL-STD-188-181B, 182-1A, and 183-1A revisions. Mixed Excitation Linear Prediction (MELP) digitized voice greatly improves narrowband voice communications and is MIL-STD-3005 compliant with other MELP radios. The programmable SATCOM table can be custom built for international SATCOM requirements. The system also features SATCOM Situational Awareness (SA) transmit and receive capability.

The system has SINCGARS and Havequick III ECCM frequency hopping, ESF and ASF modes are supported, along with ICOM Mode 2/3 SINCGARS, with manual or Global Positioning System (GPS) and Time of Day (TOD) clock sync capability, and SA capability.

The High Performance Waveform (HPW) data waveform can securely transmit and receive email and transfer large files over SATCOM and line-of-sight (LOS) AN/PRC nets by adapting to varying channel conditions. HPW ensures error-free data delivery using high-speed, over-the-air data rates up to 64 Kbps on LOS nets and up to 56 Kbps on wideband SATCOM nets.

Channel SCAN provides monitoring of up to 10 SATCOM or LOS nets. Both CDCSS and CTCSS squelch tone support is provided in transmit and receive, for LMR repeater systems and FRS nets.

The removable Keypad/Display Unit provides total control when on the move with a full-function remote control capability. The simple, menu-driven interface allows programming and control of 110 nets. Cable radio cloning is standard, or optional wireless radio cloning with the Radio Programming Application (RPA) ensure critical communications nets are quickly and accurately programmed and established.



Anvrc 103 Technical Manual

Thirumalaisamy P.
Velavancorresponding



Anvrc 103 Technical Manual:

Decoding **Anvrc 103 Technical Manual**: Revealing the Captivating Potential of Verbal Expression

In an era characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its power to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Anvrc 103 Technical Manual**," a mesmerizing literary creation penned by way of a celebrated wordsmith, readers attempt an enlightening odyssey, unraveling the intricate significance of language and its enduring affect our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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value 1 yellow 255 255 0 2 magenta 255 0 255 3 cyan 0

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subtractive colors move spots of yellow cyan and magenta pigment on a white surface as the colors overlap other colors can be seen due to color subtraction the color of most things

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wrong decision

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