

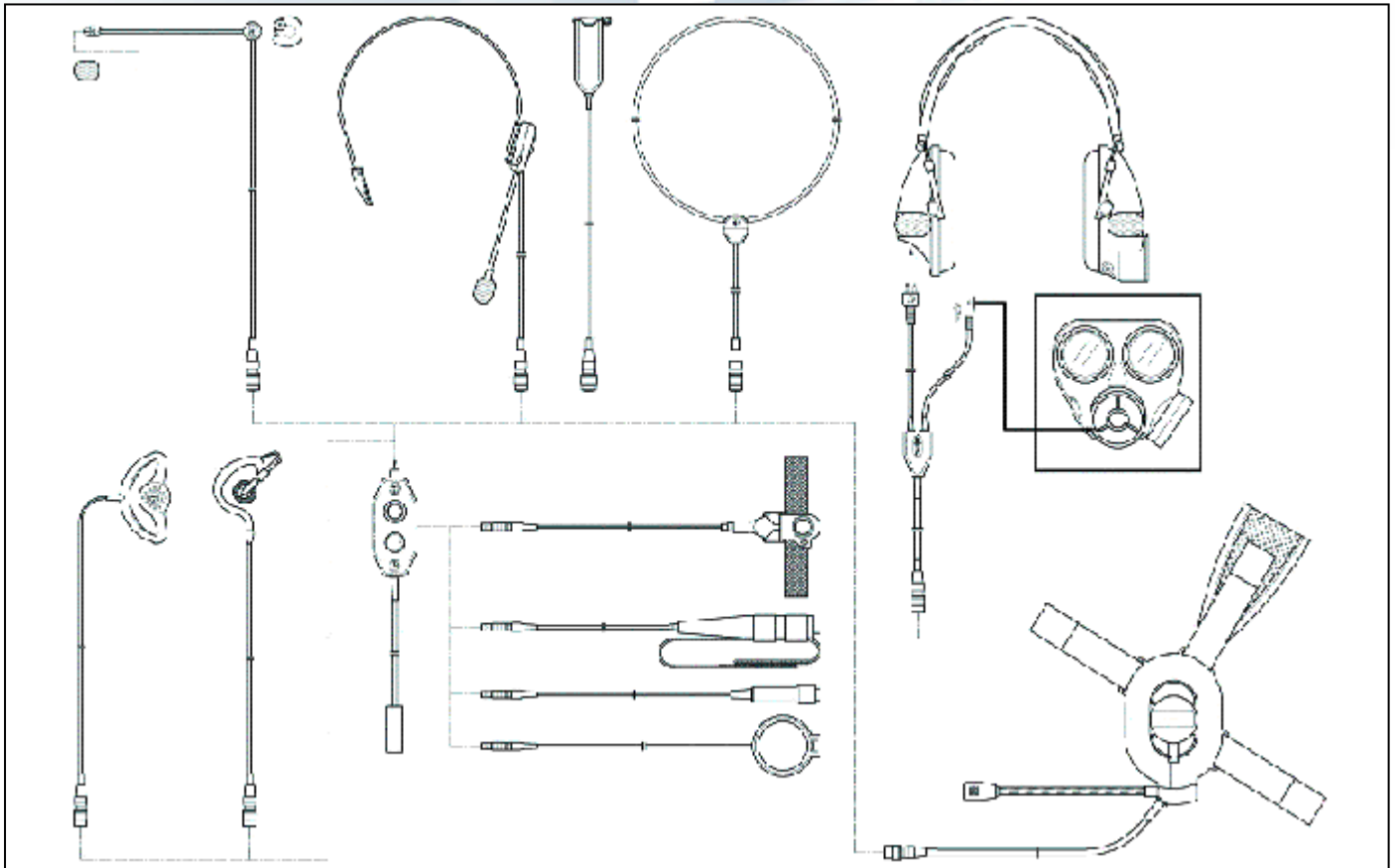
FIREARMS

HEADSET INTERFACE UNIT

SONIC
COMMUNICATIONS

- . INTEGRATED MICROPHONE
- . PTT SWITCH
- . EMERGENCY BUTTON
- . REMOTE PTT SOCKET
- . TONE GENERATOR
- . VOLUME CONTROL





The Diagram above shows an example of a communications solution centred on a Headset Interface Unit (HIU). This solution is designed to be used by firearms teams and provides a modular system giving the ability to interchange different headsets and push-to-transmit switches to fulfil the different operational requirements.

The HIU features a shrouded PTT switch and volume control on the front of the unit, a socket mounted on the top for headsets and also a side mounted socket for the connection of remote PTT switches. Internally the unit has a Tone Generator that allows the PTT and also remote PTT's to generate marked tones over the network for silent operation.

For Dynamic Entry and Snipers a tactical headset or Genesis headset could be used, worn with a soft hat or ballistic helmet this provides a noise-cancelling microphone and receive earpiece.

If it is necessary to operate in a covert role then a combined microphone/inductor or neck-loop microphone/inductor is available. Used in conjunction with a covert wireless earpiece and torpedo PTT this provides a fully covert solution centred on the HIU.

Also available for use with S10, FM12 or equivalent respirators and Peltor Comtac headsets is a microphone/earpiece interface. This provides a Nexus plug that interfaces directly to the Peltor's receive audio socket and a small microphone that connects to the primary speech module on the front of the respirator to allow clear transmit and receive audio whilst wearing the respirator.

When in stand-down a simple ear-hanger can be worn, the HIU automatically routes the transmitted audio from the integrated noise-cancelling microphone and does away with the need for a boom microphone.

