The Communications Earplug (CEP) was developed by the USAARL Acoustics Branch to provide U.S. Army aviators with state-of-the-art communications and hearing protection. The CEP, a lightweight communications device that consists of a miniature transducer and foam earplug, can be used alone or in combination with other circumaural hearing protection.

When worn with the Aviator’s helmet, the CEP provides hearing protection that is similar to that provided by the helmet and expandable-foam plugs. This approach provides sound attenuation and speech intelligibility that is as good as any technique observed to date. The combination of state-of-the-art hearing protection and crystal-clear communications provides the U.S. Army aviator with the ability to fly extended mission profiles in even the loudest of the Army’s rotary-wing aircraft without compromising hearing, safety, or operational effectiveness.

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