Open-line Communications Platform

OCP is an advanced, multi-conference group, voice communications platform for military training environments.

- High availability and fast start architecture
- Low maintenance overhead
- Developed from commercial of the shelf products "COTS"
- Modular design makes repairs quick and easy without the need to interrupt training or reboot the system
- Voice delivered over pure IP
- Very low latency means broadcast speech is instant
- Bespoke interfaces allow for seamless connection of existing peripheral equipment; Infrared comms or audio mixing/ switching for example
- Reliable touch screen technology with customisable visuals
- Designed and developed in the UK
- Lightweight, with a universal mount means the comms clients can be mounted almost anywhere

iCS

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OCP—Powered by Splicecom

OCP is an advanced communications platform designed for use in any multi-personnel training environment where internal voice/audio communication is essential. Initially developed for naval sub-surface training environments, its flexible design means it can be adapted for any application. It is designed and manufactured in the UK by Splicecom and iCS Communications. It is essentially a modified version of Splicecom's commercial off the shelf PBX; Maximiser OS. It is a pure VoIP system and has been designed specifically to ensure very low latency while maintaining high quality calls. OCP has proven reliability and is simple to learn, use and maintain.

The system allows internal broadcast or conference groups to be pre-defined in its configuration. Users can select to transmit on different conference groups at the touch of a button. They can also receive on one or more conference groups simultaneously. Individual client phones are also able to make point to point calls at the touch of a button. In a training environment Instructors can listen in on conference groups or point to point calls without students being aware. Calls can also be recorded, if necessary, for later review by Instructors.

Web-based management means configuration changes can easily be made live without the need to pause training. Multiple configs can be saved and restored quickly and easily for different scenarios. Flexible and customisable visuals mean the screen layout can be adjusted for each comms client. Modular design makes repairs quick and easy without the need to interrupt training or reboot the system.

The system consists of a pair of resilient servers running a Linux operating system. These connect to a PoE LAN supporting the comms clients/phones. The phone itself is based on Splicecom's touch screen PCS582G proprietary VoIP telephone but is modified to remove the unnecessary handset, cradle and base. In place of the base is a VESA mounting for ultimate flexibility. iCS design and source all cables, PTT switches, junction boxes, PTT handsets, headsets and all ancillary connecting equipment. We also install, configure and commission the system from start to finish, including the necessary structured cabling.

We are able to design and manufacture bespoke interfaces to seamlessly connect to external mixing/ switching units or Infra-red comms systems. With the integration of loudspeakers Instructors can play any audio file into the training environment direct from the comms client with the push of a button.

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