

 ELMAN S.r.l.

 Via di Valle Caia, 37 - 00040 Pomezia (Rome, Italy)

 Ph: +39 06 91 94 405
 Fax: +39 06 91 94 306

 elman@elmansrl.it
 www.elmansrl.it

VOICE COMMUNICATION SERVER mod. VCS-1123

The VCS-1123 provides communication management functionalities among network entities of the VoIP Integrated System (VIS).



It is based upon the following modules:

- a central database
- a web server for configuration and monitoring of the network entities
- a core module for communication management

The database contains information about the configuration of network entities of the VIS. This information is required to initiate, maintain and control the connections.

The VCS-1123 can be configured and easily administered through the VIS administration web interface. On it, the system administrator can configure the basic architecture of the VIS, agents' credential and rights, and advanced communication features.





The core module of the VCS-1123 provides the following advanced functions:

- Communication establishment, control and tear down
- Audio Conference
- PABX calls
- Network monitoring and distribution of radio transceiver status (busy, channel, alarm etc.) to all the VoIP terminals
- Voice message broadcast
- Interfacing with other Communication Servers belonging to other areas
- File exchange among terminals
- Instant Messaging
- Group Chat

However, VCS-1123 advanced functions aren't critical for the system survival: as a matter of fact, when a failure occurs on the Server, the Operator-Radio communications are ensured by backup working mode of the VoIP Operator Terminal (VISus) without the need of additional elements.

cc1_tpo1		cc1_tpo1	
Contact List CONTROL CENTRE 1 VHF	rtv1077 Main Crypts/Tones Measures DSC BTTE X CH 12 Main Squetch	Contact List CONTROL CENTRE 1 VHF	Main Crypto / Tones Measures DSC 81TE X CH 1.2 Main Squetch
 It in the second second	DW DW Squelch	UHF HF USers	II
UHF HF #Users	DSC Off Synalevels Power Level	<pre> cc1_tpo2 cc1_tpo3 cc1_tpo4 </pre>	DSC Off Signal Levels Power Level
<pre> cc1_tpo2 -</pre>	Man DW DSC X High	PSTN	DW CSC Low X High
PSTN	vol. — 🔄 🔇 Hangup		vol. — 🚺 🔇 Hangup

VISus main working mode

VISus backup working mode