

INTRODUCTION ABOUT SOLUTION

Today, future and maritime communication systems rely on digital data communication between ships and transceivers on land, in the air (satellite) or at sea. Similar voice communication is not an integral part of future maritime communication system proposals. In recent years the VCS (Voice Communication System) system, which has been reallocated to digital voice communication systems, uses digital voice communications in marine VHF frequency band.

- Common use efficiency;
- Coexist existing communication systems with future systems;
- Increase security for listeners;
- Enables the planning of dynamic channels along the coastline and high traffic areas to avoid interference;
- Optimization of speech codecs for maritime communications;



Figure 1. Model of bridging communication between a middle ship with two adjacent ships

Transmission range, radio channel characteristics, speech decoder, access diagram, train speed, channel coding and coding techniques and interference with other systems

ARCHITECTURE, TECHNOLOGY SYSTEM VCS

The VCS Console system, created by Softphone software, allows the operator to communicate with communication channels, mobile (GSM) iPhone, Radio (VHF, VHF), including the VCS system.

1. OP and PSTN
2. OP and IPPhone
3. OP and VHF / UHF
4. UHF and VHF
5. Conference
6. Post Audio Broadcast
7. Transfer call





INFORMATION DESCRIPTION TECHNICAL

VOICE COMMUNICATION SYSTEM (VCS)

SERVER REQUIREMENTS

SIP Server

- 16 core Xeon, 2,6 GHz
- RAM: 32GB
- HDD: 1TGB
- SSD – Cache: 250 GB

Media Server

- 16 core Xeon, 2,6 GHz
- RAM: 32GB
- HDD: 1TGB
- SSD – Cache: 250 GB

Controls and manages calls Server

- 16 core Xeon, 2,6 GHz
- RAM: 32GB
- HDD: 500 GB

Write Log Server

- 16 core Xeon, 2,6 GHz
- RAM: 64GB
- HDD: 1TGB
- 4x1 GB Network

STANDARD FEATURES

SIP SERVER

Integrated modules management software license

Codec transcoders

Media server

Call flow control server

Logging server

Http Client Record API

DB Adapter

Admin system management console (smc)

SITE LICENSE

Dashboard license

Roip channels software license

Goip channels software license

Inter process communication software license

License cost from:

1.415.340USD ~ 2.312.000USD