



SSCLS

Ship Shore Communication Link System





Main Cabinet Components & Specifications

1 Main Cabinet Components

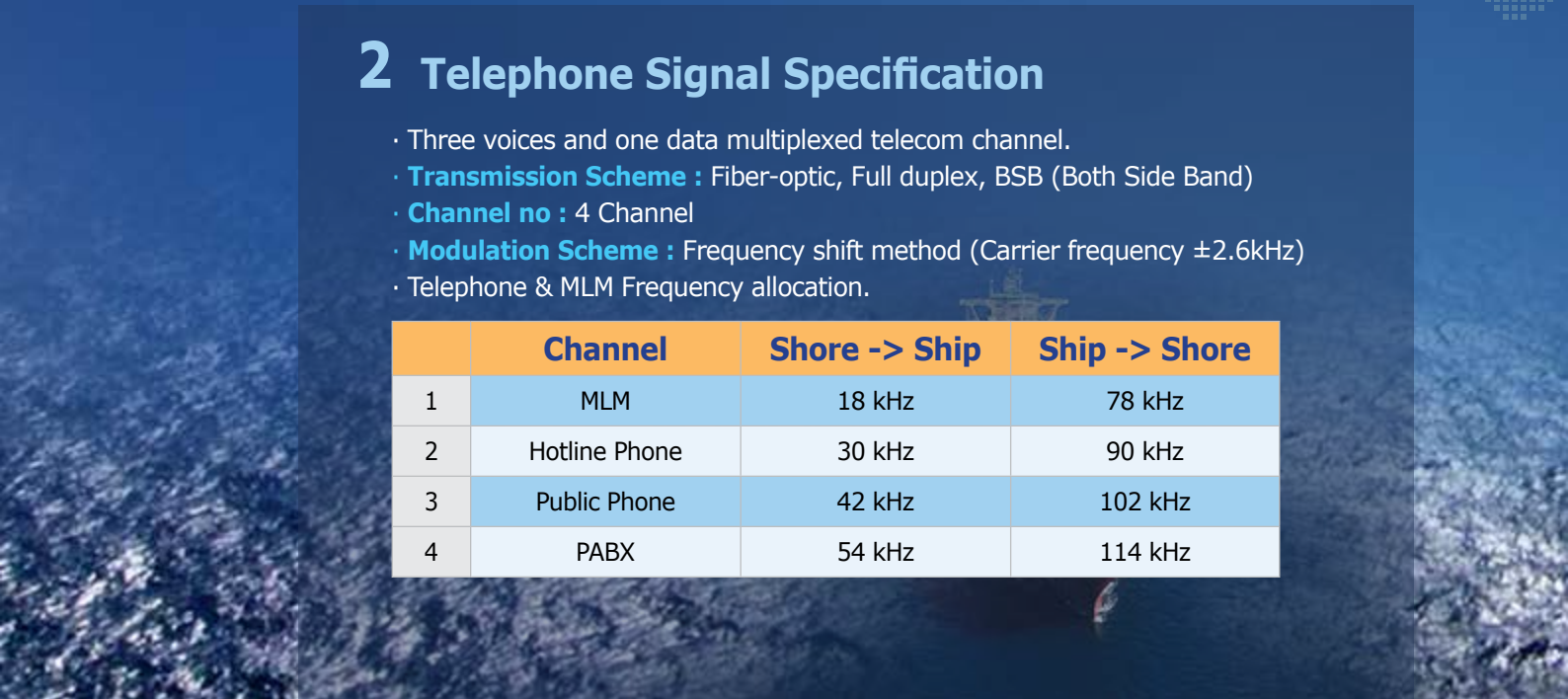
Main Display Module	Fiber Optic Module	Electric System Module	System Select Module	Power Supply Module
<ul style="list-style-type: none"> · Display - 15" Touch LCD · Industrial PC with Windows XPE · System Monitoring and AWS · CAN Communication · Control Software Up date Support 	<ul style="list-style-type: none"> · Sub Display - 7" Touch LCD · 3 voice and 1 data channels · 1 ESD channel · FDM modulation 	<ul style="list-style-type: none"> · Sub Display - 7" Touch LCD · AWS function · ESD alarm 	<ul style="list-style-type: none"> · FOM / ESM Select · Alarm interface to DCS 	<ul style="list-style-type: none"> · Main power supply · Redundancy power control



2 Telephone Signal Specification

- Three voices and one data multiplexed telecom channel.
- **Transmission Scheme** : Fiber-optic, Full duplex, BSB (Both Side Band)
- **Channel no** : 4 Channel
- **Modulation Scheme** : Frequency shift method (Carrier frequency $\pm 2.6\text{kHz}$)
- Telephone & MLM Frequency allocation.

	Channel	Shore -> Ship	Ship -> Shore
1	MLM	18 kHz	78 kHz
2	Hotline Phone	30 kHz	90 kHz
3	Public Phone	42 kHz	102 kHz
4	PABX	54 kHz	114 kHz



ification

Distributed Control System

Several independent function controllers are connected by CAN interfaced network.

- Overall system reliability is intact even when some components are faulty during operation.
- Modular design for facilitation in future system expansion.
- Applying functional redundancy.

Self-Diagnostics

Intrinsic self-diagnostic function for each component with controllers.

Auto Wiring

Electrical pin connections are automatically selected by simple choosing of port/terminal name.

Perfect Compatibility

Easy to operate and to control system with intuitive touch LCDs.

Easy User Interface

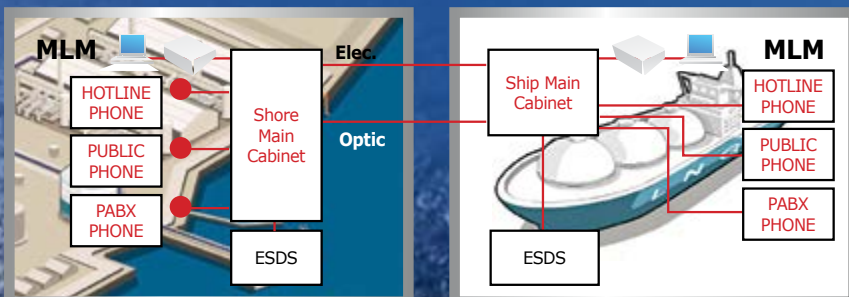
- Provide three touch LCDs.
- If one touch LCD is faulty, user can use other LCDs as a replacement.
- Slave LCD can be used in separately main cabinet.

3 ESD Signal Specification

- Normal safe frequency Rx/Tx
10kHz \pm 10%
- Normal ESD frequency Rx/Tx
5kHz \pm 10%



SSCS System





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