**START**
**Firefighter Communications**

- ✓ **GET READY**
- COMPLY
- NEEDED
- STANDARD
- ORDER

NEXT

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**Mackay** MARINE

# FIREFIGHTER COMMUNICATIONS

## GET READY FOR THE NEW REGULATION

### SOLAS CHAPTER II-2/10.10.4

- REQUIRES <u>every</u> SOLAS-REGULATED VESSEL have a <u>MINIMUM</u> of 2 EXPLOSION-PROOF or INSTRINSICALLY-SAFE, PORTABLE TWO-WAY RADIOS for **EACH FIRE-PARTY** for Firefighter Communications - ONBOARD BY JULY 1, 2018

- NON-COMPLIANT SHIPS CAN BE DETAINED

  ➤ INCURRING SIGNIFICANT COSTS

  ➤ SHIPPING SCHEDULE DELAYS

**SAILOR** COBHAM     **McMURDO**     **Entel**

# NON-COMPLYING SHIPS

## DON'T LET YOUR FLEET BE DETAINED

➢ <u>Each Fire-Party Onboard</u> Required to have a Pair of Dedicated UHF Handheld Radios

➢ All Firefighting Radios Must Meet SOLAS Regulatory Standards

➢ Non-Compliance can Result in Detention at Port

   ➢ Port Fees can Exceed USD$20 - $30k Daily

   ➢ Shipping Schedules Delays can Exceed  USD$100k Daily

➢ Fires can Occur Anytime ➔ Outfit with the Right Equipment NOW!

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# WHAT DO I NEED?

## DIFFERENT STANDARD PER FLAGSTATE & TYPE OF SHIP *

*Verified by Shipowner

### SELECT FROM CHOICES BELOW:

**IECEx Approved**
Portables Meeting
IECEx Standard

**ATEX Approved IIB**
Portables Meeting
ATEX IIB T4 Standard

**ATEX Approved IIA**
Portables Meeting
ATEX IIA T4 Standard

**ATEX Approved IIC**
Portables Meeting
ATEX IIC T4 Standard

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## IECEx Approved Portables
### (non-ATEX)

**Entel**

## Entel HT583 Kit

**IECEx Approved (non-ATEX)**

**Includes:**

- 2 UHF Radios (400-470 MHz), 4W, Submersible (IP68)
- 2 Single Rapid Chargers
- 2 Belt Clips
- 2 CNB550E-Li-Ion 1800mAh I.S. Batteries
- 2 Throat Mics or Skull Mics/HS
     (both with PTT ATEX)

**Contact Local Mackay Office for more information**

**Mackay MARINE**

# ATEX Approved IIA Portables
## Meets ATEX IIA T4 Standard

**Entel**

## Entel HT883 Kit

### ATEX IIA T4 Approved

**Includes:**
- **UHF Radios (400-470 MHz) 4W, Submersible (IP68)**
- **2 Single Rapid Chargers**
- **2 Belt Clips**
- **2 CNB950E-Li-Ion 1800mAh I.S. Batteries**
- **2 Throat Mics or Skull Mics/HS**
   **(both with PTT ATEX)**

**Contact Local Mackay Office for more information**

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## Mackay MARINE

# ATEX Approved IIB Portables
## Meets IIB T4 Standard

# SAILOR 3965-B Kit
## ATEX IIB T4 Approved

**SAILOR COBHAM**

**Includes:**
- **2 UHF Radios (400-470 MHz) 2W, Waterproof (IP67)**
- **2 Li-Ion 1800 mAh Rechargeable Batteries**
- **2 Belt Clips**
- **2 Lanyards**
- **2 Single Unit Chargers**
- **2 AC/DC Converter/Adaptors for Chargers**
- **2 DC Connections for Chargers**
- **2 SAVOX C-C500, ATEX Remote Speaker Microphones**

**Options:** SAVOX HC-1 Headset; or SAVOX C-C440 ATEX PTT + HC-1 Headset;   SAILOR 3965-C Kit plus Primary Lithium Batteries (non-rechargeable)

**Contact Local Mackay Office for more information**

# ATEX Approved IIC Portables
## Meets IIC T4 Standard (Most Stringent, 1W Class)

### SAILOR SP3560 Kit
**ATEX IIC T4 Approved**
**Includes:**
- **2 UHF Radios (400-470 MHz) 1 W, Waterproof (IP67)**
- **2 Li-Ion Rechargeable Batteries**
- **2 Belt Clips**
- **2 Lanyards**
- **2 Single Unit Chargers**
- **2 AC/DC Converter/Adaptor for Charger**
- **2 DC Connections for Chargers**
- **2 SAVOX C-C500, ATEX Remote Speaker Microphones**

**Options – See SAILOR 3965 Options**

### Entel HT983 Kit
**ATEX IIC T4 Approved**
**Includes:**
- **2 UHF Radios (400-470 MHz) 1 W, Submersible (IP68)**
- **2 Single Rapid Charger**
- **2 Belt Clip**
- **2 CNB950E-Li-Ion 1800mAh I.S. Batteries**
- **2 Throat Mics or Skull Mics/HS (both with PTT ATEX)**

### McMURDO SmartFind R8F Kit
**ATEX IIC T4 Approved**

**Includes:**
- **2 SmartFind R8F Radios, Waterproof (IP67)**
- **2 Re-chargeable Li-Ion Batteries**
- **2 Single Unit Chargers**
- **2 AC/DC Converter/Adaptor for Chargers**
- **2 DC Connections for Chargers**
- **2 Lanyards**
- **2 Belt Clips**
- **2 SAVOX C-C500, ATEX Remote Speaker Microphones**

**Options – See SAILOR 3965 Options**

**Contact Local Mackay Office for more information**

# HOW TO ORDER

## PARAMETERS IMPACTING EQUIPMENT CHOICE

1. **Standard Required for My Vessels**
   - ATEX Approved IIA
   - ATEX Approved IIB
   - ATEX Approved IIC
   - IECEx Approved (Non-ATEX)

2. **Frequency Band (UHF)**
   - Frequency Table Needed to Pre-Program the Firefighter Radios

3. **Suggested Accessories or Alternate Package Options:**
   - Microphones: Skull or Throat (Bone-Conduction) w/ PTT
     - <u>or</u> Speaker Microphone with or without Headset
     - <u>or</u> ATEX PTT with Headset
   - Added Primary Lithium Battery (non-rechargeable) for Back-Up

4. **Number of Onboard Fire-Parties**

**Mackay Marine Contact for Pricing & Availability:**
**Fleet Sales:** Marinesales@mackaymarine.com
**OTC/Global Distribution:** Houston_Inventory@mackaymarine.com
**OTC/National Parts Center:** Michael.Gabriel@mackaymarine.com