

# Navy Marine Corps Spectrum Office, Naples Italy



## Personal Electronics Use in Italy



# Purpose

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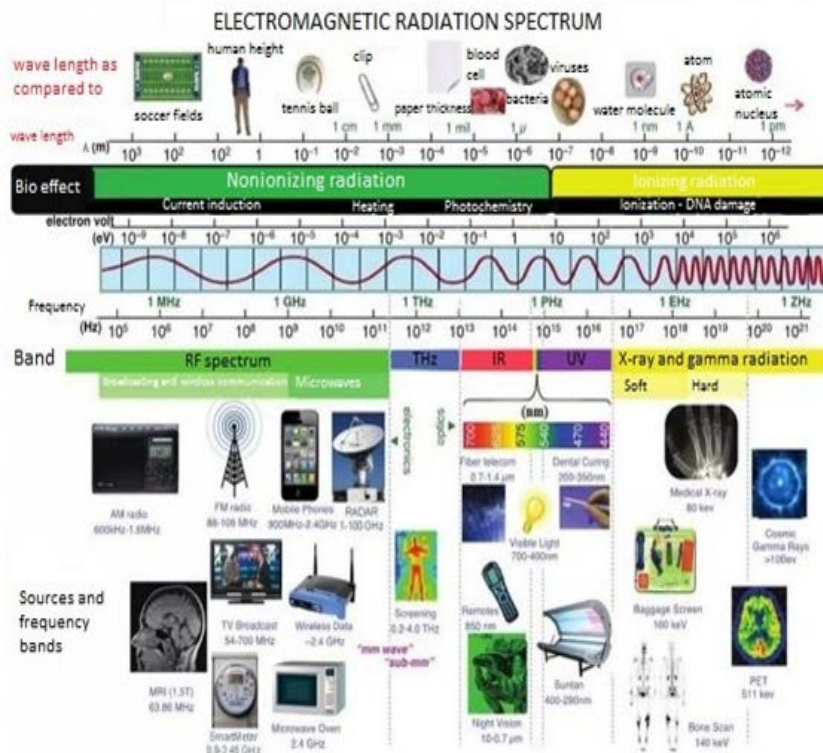
- ☐ To prevent newly arrived military and civilian personnel from becoming the source of a Radio Frequency (RF) Spectrum interference incident.
- ☐ To educate everyone on policies and regulations which apply to the use of personal electronics in Italy
- ☐ To help prevent electromagnetic interference caused by illegal Radio Frequency (RF) emitters



# Spectrum Management

## ❑ Why is this important?

- A lot of coordination is needed to make this (Spectrum-Dependent (SD) systems) all work together







# Spectrum Dependent System

## ❑ What is a Spectrum Dependent (SD) system?

➤ The short answer: Any system that transmits or receives on a frequency.

- Wi-Fi routers
- Baby monitors
- Talk about radios
- TV's
- Wireless telephone handsets
- Pretty much everything these days!





# Interference Incidents

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## ❑ 2017 – Souda Bay Greece

- Wireless telephone handsets interfered with local cellular telephone provider's communication towers
  - Cellular phone company brought direction finding equipment onto the base to locate the offending source
  - Offending devices were no longer allowed for use and replaced at the user's expense

## ❑ 2016 – Southern Italy (Gaeta/Naples/Sigonella)

- U.S. vessel's COTS system caused interference to local cellular provider's communication towers
  - U.S. vessel was required to cease communication on frequency and reconfigure system to prevent further interference

## ❑ 2006 – Northern Italy (Aviano)

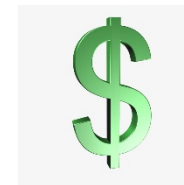
- Radio Controlled (RC) airplanes set off remote alarm systems resulting in a significant number of false alarms to which the Carabinieri responded
  - Carabinieri confiscated the RC equipment after triangulating the source



# Avoiding Interference Incidents

## ❑ Why is this important?

- Prevent interference to these systems
- Prevent monetary fines from Host Nation





# Avoiding Interference Incidents

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How do I know what personal electronics are authorized for use in Europe?

Conformité Européenne



Europe Approved

Federal Communications Commission



US and Canada Only



# Avoiding Interference Incidents

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- ❑ **Although a device may be CE compliant, commercially procured, and low power...**
  - These devices operate under a non-licensed status
  - Which means that “recreational” spectrum users are not allowed to cause interference and...
  - Cannot claim protection from interference



# What Should You Do?

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- ☐ **Check your HHG devices!** While you are checking what devices you can plug into 220V, also look for the CE label / marking.
  
- ☐ **Be careful on Amazon!** Read the fine print, and search for a European compliant version. If, for example, you buy a US model drone to fly over Naples bay, and it causes interference, it can be confiscated by the Italian police. You will not be reimbursed for the purchase cost, and you could be fined for causing interference.
  
- ☐ **If you have questions don't hesitate to call!**



# Spectrum Management Regulatory Policy

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- ☐ **Department Of State Treaties In Effect** – International Telecommunications Union (ITU)
- ☐ **DODD 4650.1** - Policy for management and Use of the Electromagnetic Spectrum
- ☐ **OPNAVINST 2400.20F** - Navy Management of the Radio Frequency Spectrum
- ☐ **HQUSEUCOM** - Spectrum Management Manual
- ☐ **COMNAVREGEURAFSWA 2400.1** - Installation Spectrum Management



# Spectrum Management Responsibilities

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## ☐ Naval Installation Commanders

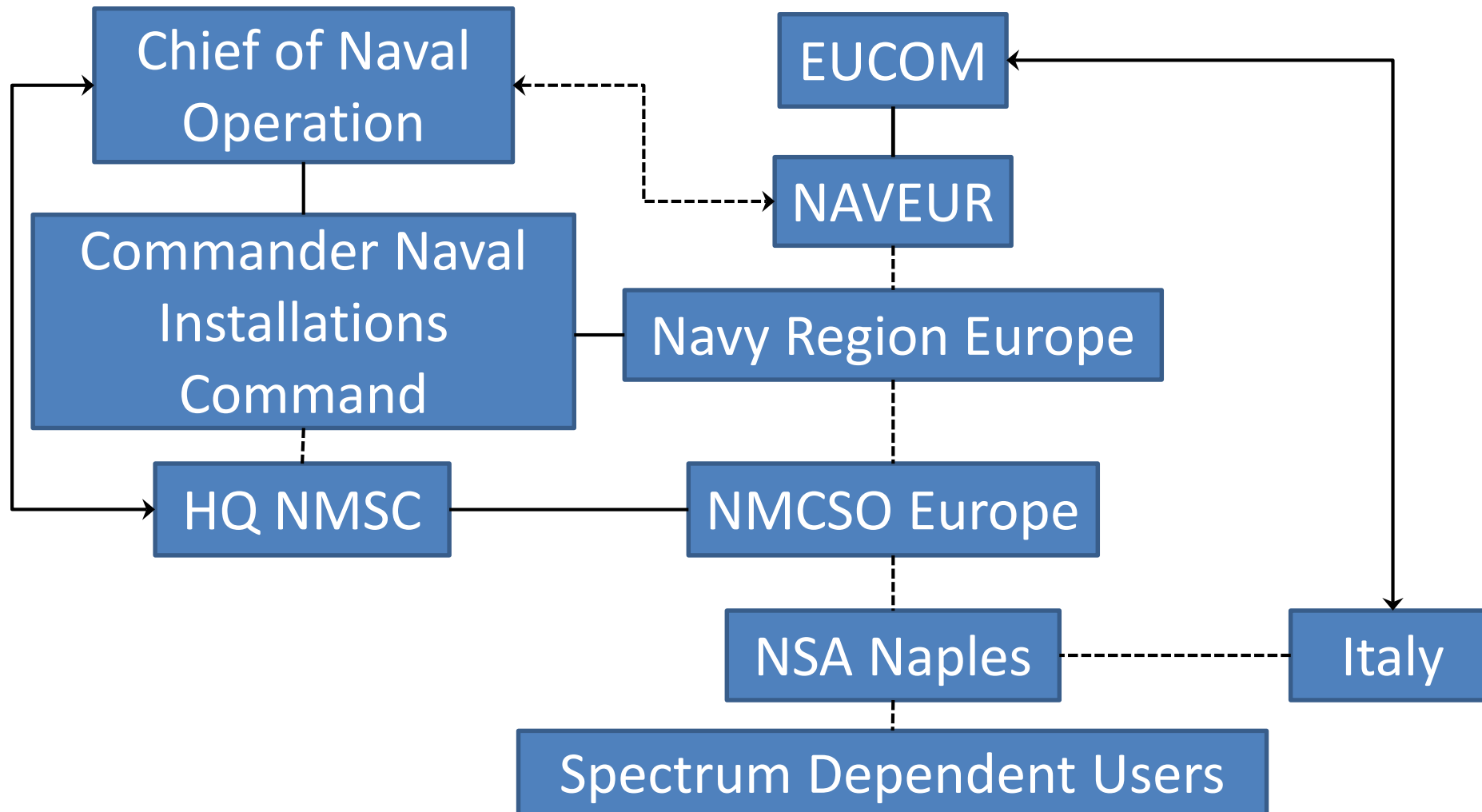
- Responsible to Commander Naval Region Europe / Africa/ South West Asia for spectrum management regulatory compliance by their installation's and Tenant Activities' Spectrum-Dependent (S-D) system users.

## ☐ Spectrum-Dependent Users

- Responsible to the Installation Commander for their actions in the use of spectrum dependent equipment within Italy



# Organizational Overview





# Points of Contact

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