



# Maritime Health Trainings for Seafarers and Doctors

## TELEMEDICINE

ERASMUS+ KA2 - Cooperation for Innovation and the Exchange of Good Practices  
KA202 - Strategic Partnerships for vocational education and training



REPUBLIC OF TURKEY  
MINISTRY OF HEALTH  
GENERAL DIRECTORATE OF HEALTH  
FOR BORDER AND COASTAL AREAS OF TURKEY



AP&A  
GROUP

## WHAT IS TELEMEDICINE?

\*Maritime Telemedical Assistance Services (TMAS), sometimes referred to as *RADIOMEDICO OR TELEHEALTH* services, provide remote expert medical advice for **SEAFARERS, PASSENGERS AND OTHERS** on board ships.



\*Telemedicine specialists can offer assistance to a Master in the diagnosis and treatment of ill or injured individuals on-board ship.



## INTERNATIONAL STANDARDS

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The case for using Telemedicine has been strengthened following the implementation of the International Labour Organization's Maritime Labour Convention (ILO/MLC) and the International Maritime Organization Standards for Training, Certification and Watchkeeping, Manila 2010 (IMO/STCW) amendments.



## TYPES of TELEMEDICINE

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\*There are 3 common types of telemedicine, which include but not limited to:

- interactive medicine,
- store and forward,
- remote patient monitoring.



## **INDICATIONS TO USE TELEMEDICINE**

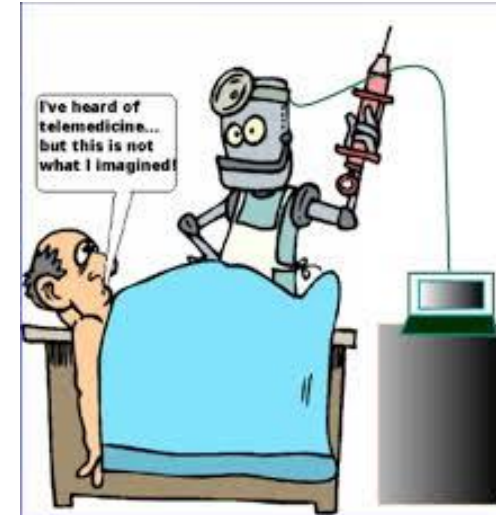
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### **INDICATIONS TO BE PROVIDED IN A REQUEST FOR MEDICAL ASSISTANCE ADDRESSED TO TELEMEDICINE DISPATCH**

- Ship name and radio call sign.**
- Position of the ship, port of departure and destination, estimated time of arrival, course and speed.**
- Patient's age, nationality, qualification.**
- Breathing, pulse, temperature and, if possible, blood pressure.**
- Symptoms, localization and type of pain, as well as all the appropriate information relating to the disease.**
- Clinical history of the patient.**
- Medicines available on board.**
- Medicinal products possibly already administered.**

# WHO CAN USE TELEMEDICINE

Telemedicine can be use only by physician, physician assistant, nurse practitioner, nurse midwives, clinical nurse specialists, clinical psychologists and social workers, registered dietitians or nutrition professionals.



# The treatment and protocol that has to be followed

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The physical condition of the body and how it is reacting to various other parameters.

The five vital signs are:

- Temperature;
- Blood pressure;
- Blood sugar;
- SpO<sub>2</sub>;
- ECG.





# TELEMEDICINE

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The communication systems currently used by TMAS are:

- a. E-mail, via satellite connection.
- b. Telephone.



\*Recording of telephone conversation of telemedical assistance is not required, but for legal and practical problems it would be desirable.



## HOW to USE TELEMEDICINE

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*On asking to patients for the consent to examination or treatment,*

- inform them of what we propose to do.
- not use coercion or threats, actual or implied
- be sure that the patient has expressed his consent explicitly
- Consent is not valid, and may not protect a health professional legally if it is too general



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