



Ήμέτερα σημεία και ημερομηνία  
Your Ref. and Date

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COST 301:

**PROJECT NAME:** Requirements and standards for accurate ship locating and tracking in the greek seas.

**PURPOSE :** This study is intended to define in cooperation with the european partners of the program 6.5 of the project COST 301 common specifications for positioning and tracking equipment which consist an essential part of the Maritime Traffic Service Center of Greece.

Main target of the above mentioned program is to establish common procedures and technics in order to enable the computerized follow-up of vessel movements especially in restricted and/or confined and /or channel and/or harbour areas.

The specific value of a greek survey consists on the definition of the several problem areas in the greek seas where national and international maritime traffic of high density creates not seldom critical situations. Having the ability to pinpoint the vessel's movements, the danger of crucial situations like colissions, groundings etc will be minimized. A further advantage will be the accuracy in informations for the live rescue works.

**PROJECT LAY-OUT :** Above mentioned targets will be approached using the results of other related programmes within the COST 301 project especially 6.1 6.2 and

6.3 i.e. " Ship manoeuvring in restricted areas", "Identification of problem areas in West European Waters" and "Inventory of West European Marine Traffic Services".

The Project to be completed in cooperation with the other european participants of COST 301 is devided in five modules, consisting of:

**Module 1 :**Inventory of existing positioning and tracking systems in use by the existing maritime centres of the greek harbour authorities and the Hellenic Navy.

**Module 2 :**Specification of services to be provided by the Marine Traffic Center for each type of problem area. Definition of the minimal and optimal range for each tracking station as well as precision rates, descrimination abilities and internal rates of the tracking system.

**Module 3 :**Analysis and detailed specification reports for the entire system to be used.

**Module 4 :**Definition of data information sources  
Specification of the data processing and tracking  
Definition and outlines of data network in Greece as well as communication and data links to the other european Maritime Traffic Control Centers.

**Module 5 :**Definition of language and programmes for the tracking system  
Definition of formats for the message exchange.