SUMMARY PROJECT FICHE

1. BASIC INFORMATION

1.1 Désirée Number:

1.2 Title: Strengthening of the capacity of the Department of Merchant Shipping (DMS) in order to enhance maritime safety

1.3 Sector: Transport – Maritime

1.4 Location: Department of Merchant Shipping, Limassol, Cyprus

2. OBJECTIVES

2.1 Overall Objective(s):
To support Cyprus in the process of fulfilling the requirements of the EU and international legislation in the maritime transport sector, with the view to maintain at all times standards, to those prevailing onboard the ships of the EU.

2.2 Project purpose:
To strengthen the administrative and operational capacity of the Department of Merchant Shipping, in order to implement effectively the European Community legislation and the international rules with regard to maritime safety, pollution prevention and living conditions on board the Cyprus flag ships, with the view to improve the safety record of the Cyprus merchant fleet.

2.3 Accession Partnership and NPAA priority

- **Accession Partnership**
  - In need of particularly urgent action: Complete alignment and implementation of maritime transport legislation, in particular enforce maritime safety standards and further strengthen the administrative capacity of the Department of Merchant Shipping, in accordance with the Department’s 2000-2002 Action Plan in order to improve the flag State performance of the Cypriot fleet.

- **NPAA**
  - **Transport**
    - **Maritime Transport**
      - Strengthening of the administrative capacity of the Department of Merchant Shipping (DMS) mainly through the training of personnel.
      - Monitoring of the classification societies acting on behalf of the DMS
      - Enhancing maritime safety and prevention of pollution from ships
      - Enhancement of the world-wide network of local ship inspectors
      - Further strengthening of the administrative capacity of the Department of Merchant Shipping through the training of personnel, particularly in the field of maritime safety.
      - Continuous updating and use of the existing Safety Record
2.4 Contribution to National Development Plan
N/A

2.5 Cross Border Impact
N/A

3. DESCRIPTION

3.1 Background and justification:
Cyprus, at the moment, has the 6th largest merchant shipping fleet in the world (1,475 ocean-going vessels, representing a gross tonnage of 23.2 million and a carrying capacity of 36.2 million deadweight tons as per Lloyd’s Register, World Fleet Statistics 2000).

Therefore, one area of permanent high interest is the safety record of the fleet. Although Cyprus has ratified all major international conventions and enacted the necessary legislation, it is fully realised that at this point Cyprus has still to fully implement these instruments.

The Cyprus Government is already taking necessary actions to tackle this problem. In this respect, the DMS prepared in June 2000 an Action Plan covering the period 2000-2002, that is currently under implementation.

In addition, according to Cyprus commitments vis-à-vis the European Union within the framework of accession negotiations, the relevant administrative infrastructure for the effective implementation of Council Directive 94/57/EC needs to be in place before 01 January 2003.

The main objectives of the Action Plan are:
- The completion of the legislative transposition of the relevant EU Acquis and international maritime instruments;
- The strengthening of the operational capacity of the DMS, mainly through the recruitment of additional personnel, the further expansion of the global network of ship inspectors, the training of personnel and the computerisation of the DMS;
- The improvement of the safety record of the Cyprus fleet, mainly through stricter measures for the upgrading of the Cyprus ships and improving the monitoring of the classification societies acting on behalf of the DMS.

Considerable progress has been achieved in the implementation of the Action Plan as a number of legislative and other measures have already been pursued to meet the Action Plan objectives.

The proposed project will facilitate the implementation of the aforementioned Action Plan and will contribute to the improvement of the safety record of the Cyprus merchant fleet.

3.2 Linked activities:
TAIEX expert missions

3.3 Results:
Implementation of EU Directive (94/57/EC) and effective monitoring of the Classification Societies
- Guidelines for the methodology and the procedures to be followed by the Advisory Committee (section 4 of the harmonised Merchant Shipping (Recognition and Authorisation of Organisations) Law of 2001 (Law No. 46 (I)/2001).
- Draft final text of the Agreement between the Cyprus Authorities and each recognised organisation (section 8 of Law No. 46 (I)/2001).
Guidelines for the establishment of a record of performance of the classification societies with regard to foreign Flag ships detained under port State control in Cyprus ports (section 12 (3)(a) of Law No. 46 (I)/2001).

Criteria for the recognition and assignment of duties entrusted to private bodies regarding cargo ship safety radio certificates (section 5 (4) of Law No. 46 (I)/2001).

Draft subsidiary legislation for effective implementation of Law No. 46 (I)/2001.

Draft instructions, circulars, manuals and reports containing relevant recommendations with regard to the implementation of Council Directive 94/57/EC.


Software package to support the DMS Surveyors in improving sampling verification of the quality of the work carried out by the classification societies.

DMS officers trained on the use and operation of the software package for sampling verification of the quality of the work carried out by the classification societies.

Training Program for the Global Network of Inspectors of Cyprus Ships

Global Network of Ship Inspectors trained and updated on current, latest developments and emerging EU and international maritime safety legislation.

Solutions to the problems faced by the Global Network of Ship Inspectors in connection with their actual work on board Cyprus ships.

Implementation of Numerical Evaluation Tool (Safety Risk Factor)

Numerical evaluation tool, Safety Risk Factor (SRF) assigned to all Cyprus Flag ships and all ships applying to enter the Cyprus Register.

Implementation of ILO Convention No.147 on Minimum Standards in Merchant Ships

Draft subsidiary legislation (regulations and/or codes) on the implementation of the provisions of the ILO Convention No. 147 (Minimum Standards in Merchant Ships).

Purchase of Mobile Earth Stations and GMDSS (Global Maritime Distress Safety System) test equipment

Mobile Earth Stations at the DMS to ensure direct and immediate access to the ships.

Global Maritime Distress Safety System (GMDSS) test equipment to support the work carried out by the DMS Marine Surveyors.

3.4 Activities:

3.4.1 Implementation of EU Directive (94/57/EC) and effective monitoring of the Classification Societies

Cyprus relies upon recognised organisations (classification societies) to conduct surveys and issue statutory certificates on its behalf, to ensure compliance with the obligations arising from the IMO Conventions and EU legislation on maritime safety and protection of the marine environment.

According to Cyprus commitments vis-à-vis the European Union, the relevant administrative infrastructure for the effective implementation of Council Directive 94/57/EC needs to be in place before 01 January 2003. In this respect, technical assistance is required to assist the Cyprus authorities in the setting up of the appropriate infrastructure required for the effective implementation of Council Directive 94/57/EC.

Furthermore, a permanent dialogue with the classification societies and the Cyprus maritime authorities has been recently established, through the organisation of annual meetings. However, further close monitoring of the work carried out by the classification societies is needed. In this respect, the acquisition of a software package will improve the sampling verification, carried out by the DMS, of the quality of some specific tasks performed by the classification societies.

More specifically, the proposed activities for the effective implementation of Council Directive 94/57/EC and effective monitoring of the classification societies are:

- Expert assistance from the maritime administration of a Member State to:
  - prepare guidelines for the methodology to be followed by the Advisory Committee and for the establishment of a record of performance of classification societies;
  - draft subsidiary legislation, instructions, circulars, manuals and the final text of the Agreement between the Cyprus Authorities and the classification societies;
  - organise short training for DMS Marine Surveyors with regard to the effective implementation of Law No. 46 (I)/2001.
- Purchase of a software package (including training of personnel) to improve sampling verification in order to monitor the quality of the work carried out by Classification Societies.

3.4.2 Training Program for the Global Network of Inspectors of Cyprus Ships

A world-wide network of ship inspectors to monitor and verify that the applicable safety standards are indeed implemented on Cyprus ships and their crews has been established since July 1996. Presently 38 inspectors are employed by the Department. The Global Network of Ship Inspectors will be completed with the appointment of another 16 ship inspectors, bringing the total number to 58 which is the expected target set by the DMS.

This component will provide training for the Global Network of Ship Inspectors in areas which have been identified as the main gaps: training and updating the ship inspectors on current, latest developments with regard to safety, as well as emerging relevant EU and international maritime legislation. More specifically, this training programme will involve the DMS and all the inspectors of Cyprus ships appointed at various ports all over the world.

The training programme will include:
- Guidance and exchange of information on topics related to the work performed by the Global Network of Ship Inspectors (such as the Survey Procedure Manual and the related report and record of inspection, relationships with local Maritime Authorities and with classification societies, detention rates of Cyprus ships and frequency of deficiencies found)
- Identification of problems faced by inspectors on board Cyprus ships and definition of solutions with regard to these problems.
- Provision by Members State experts and DMS officials of information to the Global Network of Ship Inspectors on the current national, EU and international maritime safety legislation, as well as the emerging legislation with regard to the above.
3.4.3 Implementation of Numerical Evaluation Tool (Safety Risk Factor)
The Safety Risk Factor (SRF) evaluation tool is a dynamic numerical evaluation tool. The risk in this context means the risk associated with the ship to be detained and/or to be involved in an accident.

The SRF is to be assigned to each ship in the Cyprus Register of ships and to those ships that are applying to register and will be a function of different factors such as the track performance of the ship’s operator, the performance of its previous flag, the performance of its class society and its performance under regional Memoranda of Understanding on port state control, the track history of the ship i.e. detentions, accidents, near misses etc and the ship’s type.

The SRF will assist DMS to timely assess and quantify the risk associated with each ship, and deal with substandard ships under its Register in a more consistent and proactive manner. This component will assist DMS in this specific area, by providing:

- Technical assistance for
  - designing the Safety Risk Factor.
  - advise on the implementation of the outcomes of the SRF evaluation tool (e.g. advice on the methodology of inspection to be carried out on certain ships according to the results of the SRF).
  - training of DMS personnel on the use and operation of the SRF evaluation tool.
- Design and development of data analysis software, including testing against data in the public domain to assess its degree of confidence.

3.4.4 Implementation of ILO Convention No.147 on Minimum Standards in Merchant Ships

In 1995, Cyprus ratified the International Labour Organisation (ILO) Conventions No. 23 (Repatriation of Seamen), No. 147 (Minimum Standards in Merchant Ships) and No. 92 (Crew Accommodation). However, these conventions are not yet implemented.

This component will therefore assist DMS with the implementation of ILO Convention No.147 (Minimum Standards in Merchant Ships), by providing technical assistance for the drafting of subsidiary legislation (regulations and/or codes) with regard to the implementation of the provisions and in particular of Article 2 of this Convention.

3.4.5 Purchase of Mobile Earth Stations and GMDSS (Global Maritime Distress Safety System) test equipment

The majority of the Cyprus Flag ships are engaged in worldwide trading and consequently are fitted with Mobile Earth Stations that provides an easy and effective ship-shore communication. Availability of such communication equipment at the DMS will ensure direct and immediate access to the ships for administrative and safety purposes, whenever necessary.

Furthermore, the availability of GMDSS test equipment, will assist the DMS Marine Surveyors when exercising control either on Cyprus flag ships (flag State control) and/or on foreign flag ships calling at Cyprus ports (port State control), in testing various parameters of the GMDSS (Global Maritime Distress Safety System) equipment on board the ships. This will increase the effectiveness of the flag and port State control inspections carried out the DMS.

This component will provide the DMS with equipment (one Mobile Earth Station INMARSAT and two GMDSS test boxes) and the associated training.
4. **Institutional Framework**

The DMS is comprised of the following divisions/sections:

*Administration* - responsible for the implementation of the policy on the age limit of ships which may be registered in the Cyprus register of ships and other administrative matters. It is manned by 1 officer.

*Control of shipping, protection of the marine environment and maritime training division* - which covers the following areas:
- Flag-State Implementation Programme.
- Coordination of Inspectors of Cyprus Ships world-wide
- Reporting to IMO and to the Administrations which had submitted deficiency reports for Cyprus ships, the action taken by the Department.
- Relations with Classification Societies.
- Protection of the Environment, Implementation of MARPOL 73/78 as amended, approval of SOPEP’s and of Garbage Management plans, investigation of MARPOL Violations, Implementation of the IMDG Code and SOLAS Chapter VII (Carriage of dangerous goods), Reception Facilities, underwater pipelines, planning of Port-State Control (Cyprus Ports).

This division is manned by 11 marine surveyors.

*Maritime Safety and Maritime Labour division* - which covers the following topics:
- Interpretation of the SOLAS 74/78, LOADLINES 66, COLREGS 72 and TONNAGE 69 conventions as amended, the STP 71 Agreement and the SPACE STP 73 protocol CSC 72 and consideration of issues concerning these, tonnage measurement of ships, matters concerning passenger ships, small (non convention)ships, fishing vessels, MODU. COLREG contraventions, approval of stability booklets and cargo securing manuals.
- ISM Code
- ILO Convention
- High Speed craft

The division is manned by 7 marine surveyors.

*Marine Casualty Investigation Section* - manned by 1 marine surveyor.

*Register of Cyprus Ships and legal issues (Registration, Taxation, Seafarers)* - covering the registration of vessels under the Cyprus flag and all the relevant transactions. It is manned by two Merchant Shipping officers and 8 clerks.

*Legal Affairs and EU Section* - responsible for all legal matters (public & private maritime law) with the exception of those legal matters, which are under the purview of the Register of Cyprus Ships. It is responsible for EU matters (accession negotiations, harmonisation, EUROMED). This section is manned by two merchant shipping officers.

*Merchant Shipping Development Section* - covering the promotion of Cyprus as a maritime centre and the preparation of socio-economic studies relevant to shipping and matters dealing with WTO and taxation of shipmanagers. This section is manned by 3 Merchant Shipping officers.

*Accounts Department* with 11 clerks and *Archives* with 17 clerks.

*Five overseas offices* with 6 marine surveyors and 7 clerk.

*Network of Inspectors of Cyprus ships:* 38 inspectors in 14 countries.
5. DETAILED BUDGET

<table>
<thead>
<tr>
<th>Description</th>
<th>Investment (1)</th>
<th>Institution Building (2)</th>
<th>Total EU financing (I+IB)</th>
<th>National co-financing (3)</th>
<th>IFI TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Implementation of EU Directive (94/57/EC) and effective monitoring of Classification Societies</td>
<td>0.12</td>
<td>0.07</td>
<td>0.19</td>
<td>0.05</td>
<td>0.24</td>
</tr>
<tr>
<td>Training Programme for the Global Network of Inspectors of Cyprus Ships</td>
<td>-</td>
<td>0.18</td>
<td>0.18</td>
<td>0.05</td>
<td>0.23</td>
</tr>
<tr>
<td>Implementation of Numerical Evaluation Tool (Safety Risk Factor)</td>
<td>0.06</td>
<td>0.08</td>
<td>0.14</td>
<td>0.04</td>
<td>0.18</td>
</tr>
<tr>
<td>Implementation of ILO Convention No.147</td>
<td>-</td>
<td>0.06</td>
<td>0.06</td>
<td>0.01</td>
<td>0.07</td>
</tr>
<tr>
<td>Purchase of Mobile Earth Stations and GMDSS test equipment</td>
<td>0.03</td>
<td>-</td>
<td>0.03</td>
<td>-</td>
<td>0.03</td>
</tr>
<tr>
<td>TOTAL</td>
<td>0.21</td>
<td>0.39</td>
<td>0.60</td>
<td>0.15</td>
<td>0.75</td>
</tr>
</tbody>
</table>

(1) In relation to equipment, software and related services (installation, testing, training etc.);
(2) In relation to management, organisation, procedures, legislation, training programmes etc.
(3) In relation to the running costs of the project and the operational cost of the systems.

6. IMPLEMENTATION ARRANGEMENTS

6.1 Implementing Agency:

The Department of Merchant Shipping (DMS) within the Ministry of Communications and Works will be the Implementing Agency for this project. A project Steering Committee (PSC) will be set up, comprising senior representatives of DMS and the Planning Bureau. The PSC will supervise and co-ordinate the overall progress and implementation of the project components will define priorities, will provide guidance and will evaluate and approve results. The Director of DMS will chair the PSC.

DMS will make available the personnel necessary to administer and resolve issues concerning the management of the project, including planning and identification of tasks, reporting, preparation of terms of reference, tendering, contracting, monitoring and evaluation activities.

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Department of Merchant Shipping
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Tel.: + 357 5 848230
Fax: + 357 848 200
Email: dmslo@cytanet.com.cy

6.2 Twinning

Three (3) Twinning Light arrangements are foreseen for the following project components:

- Implementation of EU Directive (94/57/EC) and effective monitoring of the Classification Societies – the IB part (Budget: 0.07 MEURO);
- Implementation of ILO Convention No.147 (Budget: 0.06 MEURO);
- Implementation of Numerical Evaluation Tool (Safety Risk Factor) - the IB part (Budget: 0.08 MEURO).
6.3 Non-standard aspects
The project will be managed according to the Decentralised Implementation System (DIS) rules and the Twinning arrangements.

6.4 Contracts
Two (2) service (technical assistance) contracts are foreseen for the following project components:
- Training Program for the Global Network of Inspectors of Cyprus Ships (Budget: 0.18 MEURO)
- Implementation of Numerical Evaluation Tool (Safety Risk Factor) - the Investment part (Budget: 0.06 MEURO);

Two (2) supply contracts are foreseen for the following project components:
- Implementation of EU Directive (94/57/EC) and effective monitoring of the Classification Societies – the Investment part (Budget: 0.12 MEURO)
- Purchase of Mobile Earth Stations and GMDSS test equipment (Budget: 0.03 MEURO)

7. IMPLEMENTATION SCHEDULE
7.1 Start of tendering/call for proposals: March 2002
7.2 Start of project activity: July 2002
7.3 Project completion: March 2003

8. EQUAL OPPORTUNITY
Article 28 of the Constitution safeguards the right of all persons to equality before the law, the administration and justice and of equal protection there of and treatment thereby. Any direct or indirect discrimination against any person on the grounds, i.e. of his sex, is prohibited.

Furthermore, the prevailing legislation with respect to equality of treatment for men and women is partly in conformity with the Acquis Communautaire. The following laws currently enforce equal opportunity issues: the Equal Pay between Men and Women for Work of Equal Value Law (158/89), the Protection of Maternity Law (100(I)/97), the Termination of Employment Law (24/67) as amended, and the Commissioner for Administration Law (Law 3/91) as amended. Cyprus has ratified by the Law 39/62 the European Convention for the Protection of Human Rights and Fundamental Freedoms. Various international Conventions which guarantee equal rights between men and women have also been ratified.

The Department of Merchant Shipping of the Ministry of Communications and Works is an equal opportunities employer.

Human Resources in terms of qualified personnel is comprised of 25 men and 4 women. The total number of personnel is 73 - 37 men and 36 women.

9. ENVIRONMENT
Due to the focus of the activities of this project on enhancement of the maritime safety, it will indirectly support the protection of the natural environment.

10. RATES OF RETURN
N/A

11. INVESTMENT CRITERIA
N/A
12. CONDITIONALITY AND SEQUENCING
No Conditionality.
Sequencing: Activities relating to the ‘Implementation of ILO Convention No.147’ will be commencing three months after the activities relating to the ‘Implementation of EU Directive (94/57/EC) and effective monitoring of the Classification Societies’ due to the fact that the people involved in the first component activities will be also involved in the latter, creating lack of human resources.

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ANNEXES
1. Logical framework matrix in standard format
2. Detailed implementation time chart in standard format
3. Contracting and disbursement schedule by quarter for full duration of programme
## LOGFRAME PLANNING MATRIX FOR

### PROJECT:
**STRENGTHENING OF THE CAPACITY OF THE DEPARTMENT OF MERCHANT SHIPPING (DMS) IN ORDER TO ENHANCE MARITIME SAFETY**

<table>
<thead>
<tr>
<th></th>
<th>Contracting period expires:</th>
<th>Disbursement period expires:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>December 2003</td>
<td>December 2004</td>
</tr>
<tr>
<td>Total Budget:</td>
<td>0.75M €</td>
<td>EU contribution: 0.60 M €</td>
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</tbody>
</table>

### Overall Objective

**To support Cyprus in the process of fulfilling the requirements of the EU and international legislation in the maritime transport sector, with the view to maintain at all times standards at least equal to those prevailing onboard the ships of the European Union**

- Legislation enacted.
- Lower detention rate of the Cyprus ships, at least equal to that of the EU.
- Lower accident rate of the Cyprus ships, equal to or below the EU average.
- Removal of Cyprus from the black list of the Paris MOU.
- Higher safety standards of the Cyprus merchant fleet equivalent to those prevailing in the EU.

### Project Purpose

**To strength the administrative and operational capacity of DMS, in order to implement effectively the EU legislation and the international rules with regard to maritime safety, pollution prevention and living conditions on board the Cyprus flag ships, with the view to improve the safety record of the Cyprus merchant fleet.**

- Increased number and effectiveness of Flag State control inspections carried out by the DMS Marine Surveyors, the Global Network of Ship Inspectors and the recognised Classification Societies.
- Reduced number of detentions of Cyprus Flag ships in foreign ports.
- Reduced number of serious deficiencies found on Cyprus Flag ships.
- Reduced number of marine accidents of Cyprus Flag ships.
- Increased number of deletions of substandard ships from the Cyprus Register.

### Objectively Verifiable Indicators

<table>
<thead>
<tr>
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<th>Sources of Verification</th>
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</table>
| To support Cyrus in the process of fulfilling the requirements of the EU and international legislation in the maritime transport sector, with the view to maintain at all times standards at least equal to those prevailing onboard the ships of the European Union | • Regular Report and reviews by the European Commission.  
• Official reports on detentions i.e. the Paris MOU, US Coast Guard and Tokyo MOU Statistics.  
• European EQUASIS Database.  
• IUMI Statistics.  
• Statistics held by DMS. |

| To strength the administrative and operational capacity of DMS, in order to implement effectively the EU legislation and the international rules with regard to maritime safety, pollution prevention and living conditions on board the Cyprus flag ships, with the view to improve the safety record of the Cyprus merchant fleet. | • Regular Report(s) and reviews by the European Commission.  
• Official statistics of Paris MOU, US Coast Guard and Tokyo MOU.  
• European EQUASIS Database.  
• IMO and ILO circulars on Member States compliance with the International Instruments they are Parties to.  
• Statistics held by the DMS. |

### Sources of Verification

<table>
<thead>
<tr>
<th></th>
<th>Assumptions</th>
</tr>
</thead>
</table>
| Full commitment of the Authorities involved. | Cyprus ships will not be involved in accidents due to acts of war or unforeseen dramatic climatic changes.  
Port State Control Procedures will not be changed significantly  
Cyprus will not denunciate anyone of the International Instruments relating to shipping that is a Party to. |
<table>
<thead>
<tr>
<th>Results</th>
<th>Objectively Verifiable Indicators</th>
<th>Sources of Verification</th>
<th>Assumptions</th>
</tr>
</thead>
</table>
| Implementation of EU Directive (94/57/EC) and effective monitoring of Classification Societies | • Guidelines for the methodology and the procedures to be followed by the Advisory Committee (section 4 of the harmonised Merchant Shipping (Recognition and Authorisation of Organisations) Law of 2001 (Law No. 46 (I)/2001).  
• Draft final text of the Agreement between the Cyprus Authorities and each recognised organisation (section 8 of Law No. 46 (I)/2001).  
• Guidelines for the establishment of a record of performance of the classification societies with regard to foreign Flag ships detained under port State control in Cyprus ports (section 12 (3)(a) of Law No. 46 (I)/2001).  
• Criteria for the recognition and assignment of duties entrusted to private bodies regarding cargo ship safety radio certificates (section 5 (4) of Law No. 46 (I)/2001).  
• Draft subsidiary legislation for effective implementation of Law No. 46 (I)/2001.  
• Draft instructions, circulars, manuals and reports containing relevant recommendations with regard to the implementation of Council Directive 94/57/EC.  
• Software package to support the DMS Surveyors in improving sampling verification of the quality of the work carried out by the Classification Societies.  
• DMS officers trained on the use and operation of the software package for sampling verification of the quality of the work carried out by the classification societies. | • Advisory Committee in place and properly functioning.  
• Guidelines produced and disseminated  
• Correspondence with recognised organisation  
• Collection of data for the establishment of the record of performance  
• Subsidiary legislation enacted  
• Specialised software purchased and in operation  
• Marine Surveyors trained.  
• Training Material | • Minutes of the meeting of the Advisory Committee.  
• Official Journal of the Government of the Republic of Cyprus publishing the model agreement.  
• DMS internal Circular publishing the guidelines.  
• Instructions, circulars, manuals and reports published.  
• Inventory of software packages.  
• Certificate of training attendance. | Full commitment of the Authorities involved.  
### Training Program for the Global Network of Inspectors of Cyprus Ships
- Global Network of Ship Inspectors trained and updated on current, latest developments and emerging EU and international maritime legislation related to safety, pollution prevention and living conditions on board.
- Solutions to problems faced by the Global Network of Ship Inspectors in connection with their actual work on board Cyprus ships.

### Implementation of Numerical Evaluation Tool (Safety Risk Factor)
- Numerical evaluation tool, Safety Risk Factor (SRF) assigned to all Cyprus Flag ships and all ships applying to enter the Cyprus Register.

### Implementation of ILO Convention No.147 on Minimum Standards in Merchant Ships
- Draft subsidiary legislation (regulations and/or codes) on the implementation of the provisions of the ILO Convention No. 147 (Minimum Standards in Merchant Ships).

### Purchase of Mobile Earth Stations and GMDSS test equipment
- Mobile Earth Stations at the DMS to ensure direct and immediate access to the ships.
- Global Maritime Distress Safety System (GMDSS) test equipment to support the work carried out by the DMS Marine Surveyors.

### Reduction in the time needed to assess the risk associated with a Cyprus ship to be detained and/or to be involved in a marine accident.
- Reduction in the time needed to access to information regarding the safety record of a Cyprus ship and of the entire Cyprus merchant fleet.
- Information readily and automatically available on the progress of a Cyprus ship towards higher or lower safety standards during its entire life under the Cyprus Flag.

### Subsidiary legislation enacted
- Paris MOU, US Coast Guard and Tokyo MOU Statistics.
- European EQUASIS Database.
- Black list of the Paris MOU.
- Selection Process for priority boarding for inspection by the US Coast Guard for Flag States, Classification Societies and ship management/owning Companies.
- IUMI Statistics on ships’ total losses and serious accidents.
- Annual Statistics and regular recommendations by IMO and ILO.
- Statistics held by the DMS.

### Mobile Earth Stations delivered and in operation
- Inventory of equipment of the DMS.

### Global Maritime Distress Safety System (GMDSS) test equipment delivered and in operation.
- Enactment of legislation will take place promptly.

### Effective monitoring of project implementation.

### Minutes of the meeting(s).
- Full commitment of the Authorities involved.

### Certificate of training attendance.

### Training materials.
<table>
<thead>
<tr>
<th>Activities</th>
<th>Means</th>
<th>Assumptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Implementation of EU Directive (94/57/EC) and effective monitoring of Classification Societies</td>
<td></td>
<td>Timely availability of experts. Full commitment of the Authorities involved. Effective monitoring of project implementation.</td>
</tr>
<tr>
<td>• Technical assistance for</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- setting up the administrative infrastructure required for the transportation and implementation of Law No. 46 (I)/2001.</td>
<td>Twinning Light</td>
<td></td>
</tr>
<tr>
<td>- drafting subsidiary legislation etc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- training of DMS Surveyors for the effective implementation of Law No. 46 (I)/2001 and the effective monitoring of the Classification societies through data analysis.</td>
<td>Supply contract awarded as result of open tender procedures.</td>
<td></td>
</tr>
<tr>
<td>• Purchase of software for improving sampling verification of the quality of the work carried out by the Classification Societies, and associated training</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Training Program for the Global Network of Inspectors of Cyprus Ships</td>
<td></td>
<td>Full commitment of the Authorities involved. Effective monitoring of project implementation.</td>
</tr>
<tr>
<td>• Identification of the problems faced by the inspectors of the Global Network of Ships in executing their duties and definition of possible solutions, including training of the inspectors on the implementation of the maritime requirements of the EU.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Implementation of Numerical Evaluation Tool (Safety Risk Factor)</td>
<td></td>
<td>Full commitment of the Authorities involved. Effective monitoring of project implementation</td>
</tr>
<tr>
<td>• Technical assistance with</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- understanding of the way ships are targeted for priority boarding in the Paris MOU/ Tokyo MOU/ US Coast Guard, and development of methodologies to determine/ quantify the probability of a Cypriot ship to be targeted by these MOUs.</td>
<td>Twinning Light</td>
<td></td>
</tr>
<tr>
<td>- collection of data from published sources</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- definition of procedures for the use of SRF</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Design and development of the SFR, including, testing the SRF against data in the public domain.</td>
<td>Service contract awarded as result of open tender procedures.</td>
<td></td>
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</tbody>
</table>
### Implementation of ILO Convention No. 147 on Minimum Standards in Merchant Ships

- Technical assistance to:
  - Draft subsidiary legislation (regulations and/or codes) with regard to the implementation of ILO Convention No. 147.
  - Adapt the subsidiary legislation with regard to the implementation of ILO Convention No. 147 in a competitively fashion.

### Purchase of Mobile Earth Stations and GMDSS Test Equipment

- Acquisition of one Mobile Earth Station INMARSAT - Mini M and one Mobile Earth Station INMARSAT – C.
- Acquisition of two GMDSS “test boxes”.

### Twinning Light

- Supply contract awarded as result of open tender procedures

### Preconditions

- Full commitment of the Authorities involved
- Effective monitoring of project implementation
- Budgets approved and available.
# ANNEX 2

**DETAILED TIME IMPLEMENTATION CHART FOR THE PROJECT**

<table>
<thead>
<tr>
<th>Project Description</th>
<th>2001</th>
<th>2002</th>
<th>2003</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>Implementation of EU Directive (94/57/EC) and effective monitoring of Classification Societies</td>
<td>D D D</td>
<td>D D D</td>
<td>C C C</td>
<td>C C C</td>
</tr>
<tr>
<td>- Twinning Light</td>
<td>D D D</td>
<td>D D D</td>
<td>C C C</td>
<td>I I I</td>
</tr>
<tr>
<td>- Supply Contract</td>
<td>D D D</td>
<td>D D D</td>
<td>C C C</td>
<td>I I I</td>
</tr>
<tr>
<td>Training Program for the Global Network of Inspectors of Cyprus Ships</td>
<td>D D D</td>
<td>D D D</td>
<td>C C C</td>
<td>I I I</td>
</tr>
<tr>
<td>Implementation of Numerical Evaluation Tool (Safety Risk Factor)</td>
<td>D D D</td>
<td>D D D</td>
<td>C C C</td>
<td>I I I</td>
</tr>
<tr>
<td>- Twinning Light</td>
<td>D D D</td>
<td>D D D</td>
<td>C C C</td>
<td>I I I</td>
</tr>
<tr>
<td>- Supply Contract</td>
<td>D D D</td>
<td>D D D</td>
<td>C C C</td>
<td>I I I</td>
</tr>
<tr>
<td>Implementation of ILO Convention No.147 on Minimum Standards in Merchant Ships</td>
<td></td>
<td></td>
<td></td>
<td>D D D</td>
</tr>
<tr>
<td>Purchase of Mobile Earth Stations and GMDSS test equipment</td>
<td>D D D</td>
<td>D D D</td>
<td>C C C</td>
<td>I I I</td>
</tr>
</tbody>
</table>

- D = Design
- C = Contracting
- I = Implementation
- X = Closure
## CUMULATIVE CONTRACTING AND DISBURSEMENT SCHEDULE

### (Million Euro)

<table>
<thead>
<tr>
<th></th>
<th>31/12/01</th>
<th>31/03/02</th>
<th>30/06/02</th>
<th>30/09/02</th>
<th>31/12/02</th>
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<th>31/12/03</th>
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<td>DISBURSEMENT</td>
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<td>0.60</td>
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