

Subject

ClassNK Emergency Technical Assistance Service  
(ETAS)

# **ClassNK**

## **Technical Information**

No. TEC-0680

Date 9 November 2006

To whom it may concern

For a number of years now, ClassNK has offered a special technical service, the Emergency Technical Assistance Service (ETAS), to shipowners or their representatives. In the event of a serious casualty to a ship, the ETAS team can immediately perform a computer analysis of damage stability and damage to longitudinal strength, then provide any technical advice necessary to ensure the ship's safety as well as prevention or mitigation of marine pollution.

A new regulation 37.4 of the revised Annex I to MARPOL 73/78 will enter into force on 1 January 2007, as noted in ClassNK Technical Information No. TEC-0608 issued on 22 November 2004. From 1 January 2007 onwards, all oil tankers of 5,000 tons deadweight or more will be required to have prompt access to shore-based computer programs for damage stability and residual structural strength calculations. This new requirement will apply to new oil tankers as well as to existing oil tankers. ClassNK is pleased to advise that ETAS satisfies the new requirement of the revised Annex I to MARPOL 73/78.

ClassNK therefore encourages all shipowners or their representatives to consider the new requirement and if necessary to enrol in ETAS referring to the attached guidance.

This ClassNK Technical Information is the updated version of ClassNK Technical Information No. TEC-109 with the same subject. The ClassNK Technical Information No. TEC-109 has been superseded.

For any questions about the above, please contact:

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Attachment:

1. Guidance on ClassNK Emergency Technical Assistance Service (ETAS)

NOTES:

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Guidance on the ClassNK Emergency Technical Assistance Service (ETAS)

1. What is ETAS

ETAS is a service designed to assist shipowners or their representatives (clients) in the event of a serious casualty to a ship such as stranding, collision, explosion or fire. Having received details on the emergency from the client, computer analyses of damage stability and damage to longitudinal strength are immediately performed and technical advice is provided on any necessary transfer/offloading of cargo/fuel/ballast as well as any necessary temporary repairs to ensure the ship's safety and to prevent or minimize marine pollution.

With ETAS, an immediate response is possible in such emergency cases because:

- (1) all the data necessary for the calculations, such as ship's hull form, compartments, lightweight distribution etc., are pre-registered in the computer system in advance and
- (2) a special team composed of experts (the ETAS team) is ready to respond to ETAS clients' requests 24 hours a day, 365 days a year.

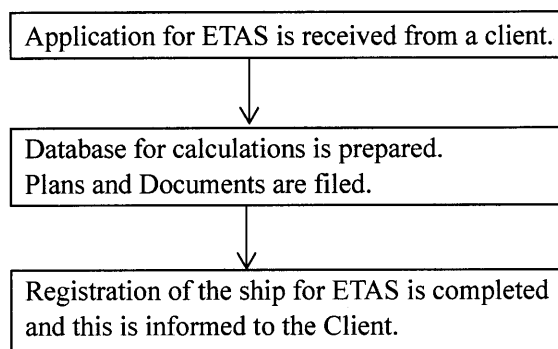
Enrolment in ETAS ensures compliance with the requirements relating to Shipboard Oil Pollution Emergency Plan required by Annex I to MARPOL. Naturally, the calculations are also accepted as a part of the class requirements for damage cases.

2. ETAS Procedures

The ETAS service can only be offered to ships already registered for ETAS at the request of clients. The procedures for registration for ETAS and the typical range of ETAS services are shown below.

2.1 Registration for ETAS

A request for registration for ETAS is to be made by submitting an application, the form of which is attached hereto, to the Survey Department (SVD) together with the related plans and documents



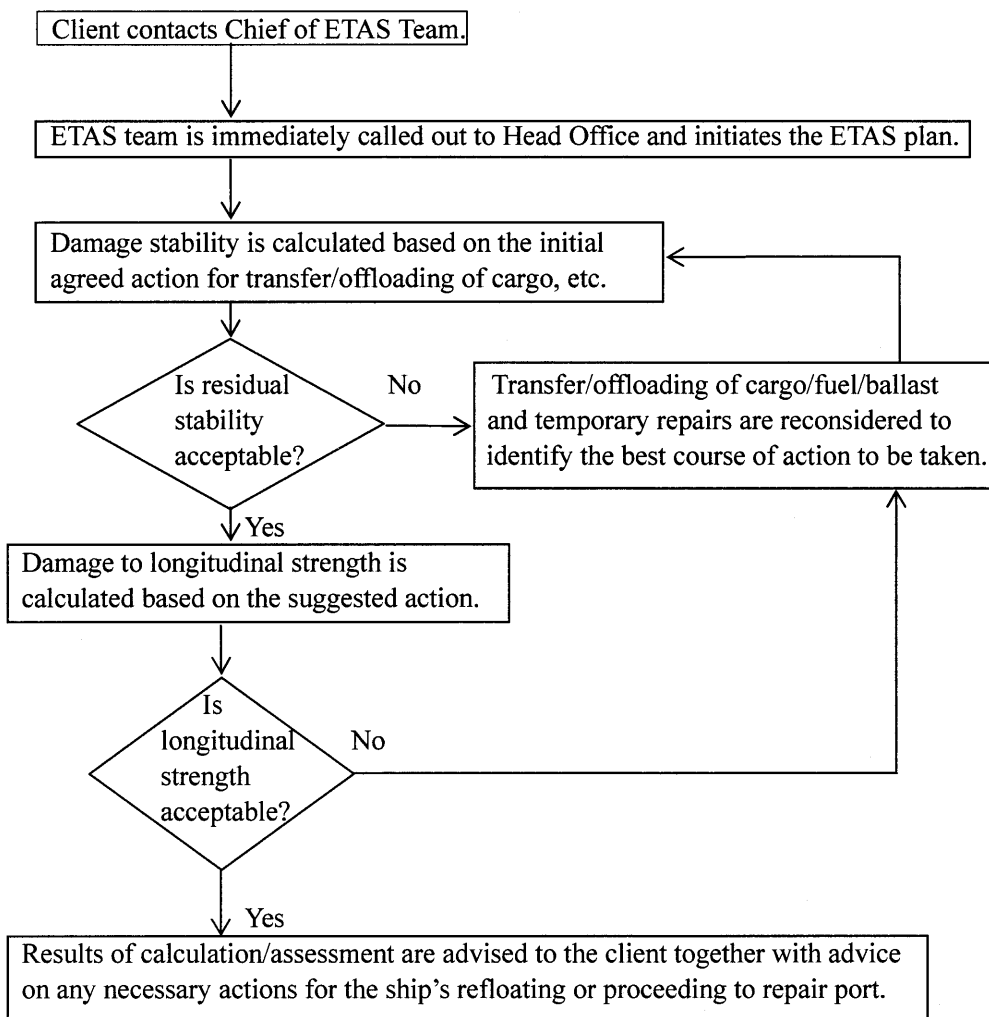
### Necessary Plans and Documents

The following plans and documents are needed for preparation of the database and the provision of ETAS services.

- Lines and Offset Table
- General Arrangement
- Midship Section
- Construction Profile
- Capacity Plan
- Loading Manual
- Stability Information
- Piping System with Pump Capacity

### 2.2 Provision of ETAS services (in the event of serious casualty)

When the ETAS service is necessary due to a serious casualty of a registered ship, the client calls the ETAS exclusive number. ETAS Services will be provided in the following manner.

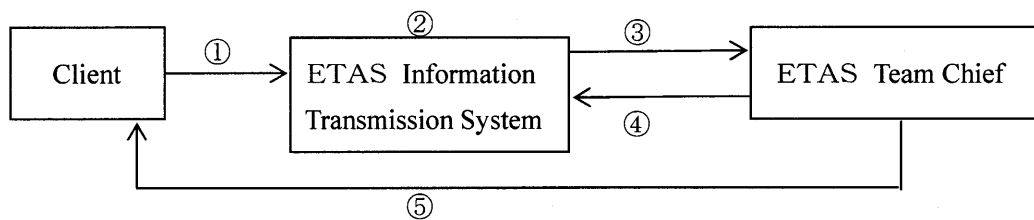


(1) ETAS team

ETAS services are provided by a special ETAS team based in the NK Head Office. It is composed of a team chief and a group of highly trained experts.

(2) Contact by the client with the ETAS team

Whenever ETAS is needed, the client can call an exclusive telephone at the NK Head Office and provide the necessary information. A communication link will be established in the following manner.



- ① Client calls ETAS exclusive number and leaves a message including an outline of the casualty, and the name/telephone number of the person to be contacted.
- ② ETAS Information Transmission System records the message.
- ③ ETAS Information Transmission System calls the ETAS Team Chief.
- ④ ETAS Team Chief receives the message.
- ⑤ ETAS Team Chief contacts Client.

Detailed information including, for example, that listed below, is to be sent to the ETAS team by fax or E-mail at the following numbers.

Fax: +81-3-5226-2049

E-mail: [etas@classnk.or.jp](mailto:etas@classnk.or.jp)

Information to be provided to the ETAS team by the client:

- Outline of the casualty
- Extent and condition of the damage as precisely as possible
- Conditions of outflow of cargo/fuel and ingress of water
- Loading condition, draught, trim and heel
- Any proposed urgent action by the client on the transfer/offloading of cargo/fuel/ballast for the ship's refloating or proceeding to a repair port
- Weather (forecast) at the site and on the way to the repair port
- Information necessary for the client's staff or representative to be contacted by the ETAS team (such as their name, TEL/FAX numbers, E-mail address)
- Any other matters which may in particular affect the ship's seaworthiness, such as damage to the hull structure which may have previously been recommended to be repaired.

(3) Arrangement of and communication with an attending surveyor

In the case of the ship being classed by NK, the ETAS team will arrange an attending surveyor for the class survey of the damage at the request of the client. Information on conditions of the damage and results of the calculations, will be exchanged between the ETAS team and the attending surveyor.

### 3. Fees for ETAS

The following fees will be charged for ETAS.

- Registration fee (including a fee for the preparation of the database)
- An annual fee
- ETAS performance fee (when the ETAS service is actually provided in the event of a casualty, including drills)

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To NIPPON KAIJI KYOKAI (Fax: +81-3-5226-2029)

Date:

**APPLICATION FOR REGISTRATION FOR EMERGENCY TECHNICAL ASSISTANCE SERVICE (ETAS)**

We, the owner / on behalf of the owner, hereby request registration of the following vessel for the ClassNK Emergency Technical Assistance Service :

**Ship to be registered for ETAS**

Name of the Ship:

Classification Number:

Flag:

Purpose of Ship:

Call Sign:

Gross Tonnage:

Registered Owner's Name:

Owner's Name:

Address:

**Sister ship(s) registered for ETAS**

Name:

Classification Number:

**Attached Plans and Documents (one copy of each):**

- Lines and Offset Table
- General Arrangement
- Midship Section
- Construction Profile (Hold Construction & E/R Construction)
- Loading Manual
- Stability Information
- Piping System with Pump Capacity

Note : "X" is to be entered in  when the plan/document is enclosed.

**Person in charge:**

Name:

Phone Number :

Fax Number :

E-mail address:

**Remarks (if any):**

Applicant's Name:

Company's Name:

Address: