



## Frequently Asked Questions

For any other questions, please contact [zeta@classnk.or.jp](mailto:zeta@classnk.or.jp)

### General

---

**Q1-1. What can ClassNK ZETA (hereinafter, "ZETA") be used for?**

- A. With ZETA, you can check the CO<sub>2</sub> emissions (total amount, AER, EEOI) and CII rating results of an individual ship or fleet at any time. It also lets you simulate how CO<sub>2</sub> emissions and CII rating results would change when slow steaming and other operations are implemented.

**Q1-2. What kind of data is used by ZETA?**

- A. Data from ClassNK MRV Portal (hereinafter, "MRV Portal")\* is used. In addition to data submitted to MRV Portal prior to using ZETA and data verified by ClassNK, data submitted for verification can also be viewed on ZETA as preliminary information.

\* ClassNK MRV Portal is a system that collects data sent by ship management companies for certification based on the IMO-DCS (IMO Fuel Oil Consumption Data Collection System) Regulation and EU-MRV Regulation (European Regulation for the monitoring, reporting and verification of fuel oil). It provides support with creating emission reports in compliance with the IMO-DCS and EU-MRV regulations by gathering monitoring data and documentation (BDN, B/L, etc.) sent from onboard a ship or onshore to our server. ZETA links with the data sent and collected in MRV Portal.

**Q1-3. Who can use ZETA?**

- A. ZETA can be used by ship management companies, shipowners, charterers, and anyone involved in ship operations. Ship management companies that send data on managed ships to MRV Portal can use that data on ZETA. Shipowners and charterers can use the data in the same way as a ship management company by obtaining permission of data usage from the ship management company on ZETA for owned ships and operating ships. Additional features for cargo owners and financial institutions that allow CO<sub>2</sub> emission reporting which includes frameworks such as the Poseidon Principles and the Sea Cargo Charter will also be made available soon.

- Q1-4. As a ship management company, we submit data to MRV Portal. With the launch of ZETA, will data verification based on IMO-DCS and EU-MRV regulations be performed on ZETA instead of MRV Portal?**
- A. Data verification based on the IMO-DCS and EU-MRV regulations will continue to be carried out on MRV Portal even after ZETA is in operation. ZETA is linked with MRV Portal, so any data submitted to MRV Portal can also be used in ZETA.
- Q1-5. I use a classification society other than ClassNK to verify data under IMO-DCS and EU-MRV regulations. Can ZETA also be used for such ships?**
- A. ZETA can also be used for ships verified under IMO-DCS and EU-MRV regulations by a classification society other than ours. When doing so, the data will need to be submitted via MRV Portal.
- Q1-6. Is ZETA a cloud-based service?**
- A. Yes. ZETA can be used on an internet browser without the need to install any other software. Although ZETA can be used in any location or environment, please appropriately manage your access ID (e.g., log out after you are done). In addition, since this cloud-based service manages data in a multiplexed manner, the service can continue to be used in the event of a failure due to a disaster, etc. by automatically switching to a server in another region.

## Features

---

- Q2-1. What are the features of ZETA?**
- A. ZETA has four main features: Vessel Monitoring, Fleet Monitoring, Simulation, and Periodical Report.
- Q2-2. What is the Vessel Monitoring feature for?**
- A. This feature allows you to check CO<sub>2</sub> emissions and CII rating results of individual ships at any time. In addition to displaying the current CO<sub>2</sub> emissions and CII rating results, it can also forecast annual CO<sub>2</sub> emissions and CII rating results to help consider necessary measures.
- Q2-3. What is the Fleet Monitoring feature for?**
- A. This feature allows you to check CO<sub>2</sub> emissions and CII rating results of a fleet at any time. You can check the CO<sub>2</sub> emissions of responsible fleet and the entire company's progress with CO<sub>2</sub> reduction at any time.

**Q2-4. What is the Simulation feature for?**

A. This feature allows you to simulate how future CO<sub>2</sub> emissions and CII rating results would change for an individual ship or fleet when implementing slow steaming, installing energy-saving add-ons, or switching fuels. Various simulations enable users to consider measures for reducing CO<sub>2</sub> emissions.

**Q2-5. What is the Periodical Report feature for? Is there a designated report format?**

A. This feature allows you to output CO<sub>2</sub> emissions as a report by voyage, cargo, ship, fleet, etc. In the future, it will also allow you to meet the reporting needs of various stakeholders, such as financial institutions, cargo owners and insurance companies. The report is output in A4 size and PDF format.

**Q2-6. Can ZETA also be used for frameworks related to CO<sub>2</sub> emissions reporting, such as the Poseidon Principles (for financial institutions and marine insurance) and the Sea Cargo Charter?**

A. We are currently developing features that can be used for these frameworks and plan to implement them during 2022.

**Q2-7. How often is ZETA updated (or upgraded)? Are there any plans to add new features in the future?**

A. Modifications to ZETA will be implemented every two weeks. We will also continue to incrementally implement new features based on customer requests and needs.

## **Method of use**

---

**Q3-1. How do I start using ZETA?**

A. To start using ZETA, you must apply from [here](#). After applying, a password for ZETA will be issued to the email address you provide.

**Q3-2. Are IDs and passwords issued for each company?**

A. IDs and passwords are provided for each individual, but multiple users can use the service by having a representative user register first (an individual name is required, but a departmental representative e-mail address, etc. can be used) and then register sub users afterward.

**Q3-3. How many sub users can register? Can they use the service at the same time?**

A. There is no limit to the number of sub users that can register. Each sub user can use the service at the same time.

**Q3-4. Is it necessary to report suspension of use if there is a change in management of a ship currently using ZETA or if it is sold/scrapped?**

- A. You must contact us for each ship that will stop using the service. You will still be able to view data from the period of use even after suspension.

**Q3-5. I currently use MRV Portal. Can I use ZETA with my MRV Portal ID and password (ID and password of the ClassNK Web Service Portal)?**

- A. Unique ID and password for ZETA are provided. Upon completion of the application of ZETA, a password will be provided to the e-mail address (ID for ZETA) identified in the ZETA application form.

## Pricing

---

**Q4-1. How much does it cost to use ZETA?**

- A. ZETA comes with “Basic Functions” and “Advanced Functions”.
- Basic Functions  
Throughout 2022, the service will be available as a trial usage period free of charge regardless of the number of sub users. (Pricing for 2023 and beyond will be announced at a later date.)
  - Advanced Functions  
Pricing for Advanced Functions to be implemented subsequently after the release of ZETA will be announced separately.

**Q4-2. Can I stop using ZETA at any time? If so, is the fee refundable?**

- A. ZETA users may terminate their use of the service by notifying ClassNK at least one month in advance. However, please note that fees already paid will not be refunded. (You will be asked to agree to the Terms of Use when you apply for the service.)

## Data content and handling

---

**Q5-1. How accurate is the data displayed?**

- A. ZETA's monitoring features generally use data submitted to MRV Portal by customers, therefore it is impossible to give a general answer as it depends on the accuracy of the submitted data. Conversions of CO<sub>2</sub> emissions are based on international standard values, and the number of digits after decimal points is displayed according to general notation.

**Q5-2. Can displayed data be downloaded?**

A. Data displayed in ZETA can be downloaded in PDF format. Downloads in CSV and Excel format will be supported in the future.

**Q5-3. Are emission amounts displayed in terms of GHG (CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O)? Is it possible to calculate NO<sub>x</sub> and SO<sub>x</sub>?**

A. The emissions displayed in ZETA are currently limited to CO<sub>2</sub> only. For other GHGs such as CH<sub>4</sub> and N<sub>2</sub>O, we plan develop calculation/display support on ZETA when a unified framework including GHG conversion factors is agreed upon internationally. NO<sub>x</sub> and SO<sub>x</sub> emissions depend on the operating conditions of the engine and the sulphur content in the fuel oil, respectively, so they cannot be calculated on ZETA at this time.

**Q5-4. Is it possible to calculate CO<sub>2</sub> emissions over the entire fuel life cycle, in addition to CO<sub>2</sub> emissions on board?**

A. At this time, ZETA cannot calculate CO<sub>2</sub> emissions over the entire fuel life cycle. Please contact [zeta@classnk.or.jp](mailto:zeta@classnk.or.jp) for calculation and verification of CO<sub>2</sub> emissions throughout the fuel life cycle. We will support such requests case-by-case.

**Q5-5. Is the data displayed by ZETA from January 1st? Is it possible to aggregate the data in the middle of the year?**

A. The standard display is from January 1st, but you can set the range for display and aggregation as desired.

**Q5-6. I currently submit data to MRV Portal. Do I need to submit it again when using ZETA?**

A. If you have submitted data to MRV Portal, you do not need to resubmit it to ZETA. ZETA is linked with MRV Portal, so if you submit the data to MRV Portal, you can also use it with ZETA.

**Q5-7. Will I be notified if there is missing data?**

A. There is not currently a notification feature for missing data. Missing data may cause errors in the displayed content.

**Q5-8. We are a ship management company. How do we receive permission of data usage applications from shipowners and charterers for our managed ships?**

A. Shipowners and charterers apply for data use on ZETA by specifying the IMO number of the ship for which they wish to use the data and the period for which they wish to use it. The application will be sent to the e-mail address of the ship management company registered with ZETA, and use of the data will be approved after confirming the applicant, ship, and period. Once the application is approved, the applicant can use the data in the same way as the ship management company.

**Q5-9. We are a solution provider offering services using CO<sub>2</sub> emissions data from ships. Can we provide services linked to ZETA?**

**A.** If you wish to provide services on ZETA, please contact [zeta@classnk.or.jp](mailto:zeta@classnk.or.jp) and we will consider your request.

---