

# Initiatives to Comply with Environmental Laws and Regulations

In addition to observing laws and regulations, Casio undertakes voluntary efforts to ensure thorough risk management of chemical substances.

## Risk Management and Reduction Policy for Chemical Substances

Risk management of chemical substances can be divided into the control of chemical substances used during the production process and the control of chemical substances included in products.

More specifically, the categories include:

1. Risk management of chemical substances used during the production process
    - Health effects on people engaged in product manufacturing
    - Health and environmental effects on neighborhood residents and the local area
  2. Risk management of chemical substances included in products
    - Health effects on customers while using the products
    - Environmental effects after the products are disposed
- Casio controls these chemical substances appropriately and is striving to replace them with chemical substances that have lower risks.

In fiscal 2007, Casio established the following new objectives for the reduction of chemical substances:

- Reduce output of PRTR substances.
- Reduce emissions of VOCs to atmosphere.

Five sites—Casio Micronics (First and Second Plant, Yamanashi), Kofu Casio (headquarters), and Kochi Casio—in Casio’s Electronic Components segment account for over 99% of Casio’s usage of these PRTR substances and VOCs. Casio will reduce their usage to achieve its fiscal 2011 targets.

## Environmental Laws and Regulations Related to Products (Laws and Regulations for Hazardous Substances)

### Complying with RoHS: From Europe to China

By June 2006, Casio had made products bound for Europe compliant with all items in the EU’s RoHS Directive. Then, in December 2006, Casio finished making its products for all destinations, except for some special purpose products, compliant with the directive.

Unlike the EU’s RoHS Directive, the new Chinese RoHS (Measures for Administration of the Pollution Control of Electronic Information Products) does not prohibit the use of the regulated substances; rather, it mandates that information on regulated substances contained in all parts must be provided to customers. The Chinese RoHS does not include exceptions for parts for which it is technologically difficult to make alternatives. Accordingly, information on the inclusion of regulated substances in all parts must be added to users’ manuals, marks indicating the inclusion of regulated substances must be affixed to the bodies of products, and the date of manufacture and a recycling mark must be displayed on packaging. Casio was fully compliant by February 2007.

 **What is the Chinese RoHS?**

## Overview of Chinese RoHS

Chinese RoHS		Marks that must be displayed	
Effective date	March 1, 2007		
Subject substances	Six RoHS substances		
Subject products	Electronic and electrical devices and components	Does not contain substances	Contains substances
Manner of enforcement	Products manufactured on or after March 1, 2007 must carry a mark indicating whether they contain or do not contain the regulated substances.		

### Complying with REACH

The Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) regulation, promulgated in June 2007, requires companies to track 30,000 chemical substances contained in chemical products and nearly 1,500 chemical substances contained in various articles. This regulation cannot be managed with conventional green purchasing practices and will require a completely different program. Casio is looking into a management system (a new chemical substance management database) for streamlining compliance with this regulation without causing confusion in or outside the group, while considering coordination with related industries.

## Environmental Laws and Regulations Related to Production Sites

### Reducing releases of PRTR substances

In fiscal 2007, Casio used 183 tons and released 18 tons of chemical substances subject to Japan’s Pollutant Release and Transfer Register (PRTR) Law. Casio controls these substances on a per-unit of actual production basis as an indicator of release reductions. In fiscal 2007, this figure reached 0.00005 tons/million yen, thereby achieving the fiscal 2011 target of 0.00010 tons/million yen. Accordingly, Casio plans to establish a new reduction target during fiscal 2008.

 **Releases of PRTR Substances**

### Reducing VOC emissions

In fiscal 2007, Casio used 211 tons of VOCs and emitted 52 tons to the atmosphere. The Electronic Components segment accounts for nearly 100% of this usage. Casio will continue to reduce emissions by improving manufacturing processes and equipment and by increasing production efficiency.

 **VOC Inputs and Emissions to the Atmosphere (Japan production sites)**