

24th April, 2015

Dear Customers,

Notice :

**Influence on our Automatic Identification System(AIS)  
by the leap second adjustment**

Thank you very much for using our products.

Affected products

- AIS TRA-1000
- AIS TRA-2000(Shipments before Feb. 2007)

**Description**

Automatic Identification System (AIS) recognizes the current time using UTC time with the integrated GPS receiver.

The integrated GPS receiver, for a few months before the implementation of this leap second adjustment, receives the broadcast of “leap second implementation notice” from the GPS satellites on the TRA-1000 and initial model of TRA-2000, and both models recognize late time for one second from the correct time. However, you can use both models with no problem on the actual operation.

In addition, the broadcast of “leap second implementation notice” will be finished on July 1,2015 and both models will automatically recognize the correct time.

**For you reference**

Announcement of the leap second:

Last bulletin C International Earth Rotation and Reference System Service (IERS)

<https://hpiers.obspm.fr/iers/bul/bulc/bulletinc.dat>

Sincerely yours,

***Kazuo Tatewaki***

Manager, Quality Assurance Dept.  
Marine Systems Company  
TOKYO KEIKI INC.

If you have any questions, please contact our Marine systems Sales, or Service Dept.

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**Marine Systems Company  
TOKYO KEIKI INC.**