# Subject : ECDIS upgrade to meet with new standards

Dear our valued customers

We thank you very much for your usual favor, support and cooperation.

IEC (International Electrotechnical Commission) testing standard (IEC61174) new Edition, which is Edition 4.0, for type approval of ECDIS has been issued on Aug. 2015. Linked with this, IHO (International Hydrographic Organization) Standard S-52 was revised from Ed.6.0 to Ed.6.1.0, as well as S-52 Annex A Presentation library from Ed.3.4 to Ed.4.0.

This information is to announce about TOKYO KEIKI's action about update to meet these new standards.

1. **Contents of new standards**
   A) Short description about new testing standard IEC61174 Ed.4.0
      i. Meeting with IHO new standard as below.
      ii. Adding function to store and recall operator-specified control setting (chart display mode, conditions of route monitoring mode, etc.)
   B) Short description about IHO new standard (Refer to the above A) i.)
      i. Changing of drawing procedure about chart symbols.
      ii. Adding new chart symbols and changing of display category.
      iii. Changing of alarm procedure/display about chart symbols.

2. **Time limit**
   IMO announced ECDIS should meet with new standards by Aug. 31st, 2017.

3. **Required action for TOKYO KEIKI ECDIS.**
   A) EC-8000, EC-8500, EC-8100, EC-8600 (including -K type)
      Capable and meeting with new standards after upgrading to new software.
   B) EC-7000, EC-7000-A, EC-7500, EC-7500-A
      Hardware replacement is required due to unsatisfactory performance, and the unavailability for upgrade to meet these new standards. TOKYO KEIKI would like to offer a retrofit plan.

4. **TOKYO KEIKI action schedule**
   We will be able to start upgrade on 6 th day of April, 2017. Modification available location, fee/cost and so on, please contact with our sales agent in your region.

*Note : Some additional parts will be replaced for preventative maintenance and increasing ECDIS performance purpose with this upgrading work. Due to this reason, the schedule maybe delayed for specific models.