

Isle of Man Ship Registry Technical Advisory Notice

JRC Navigation & Communication Equipment Rollover

Ref. TAN 004-22
Issued: 26/04/2022

This notice is for the attention of owners/operators of the equipment listed in the table below.

Introduction

The JRC GPS system is synchronised to a different time scale than Coordinated Universal Time (UTC) and calculates date by counting the number of weeks from a set date (29th September 2002). Due to the size limitation of the counter, the week counter resets to zero after 1023 weeks and begins counting again, a process known as GPS week rollover.

GPS week rollover for products containing JRC GPS Chips will occur on 15th May 2022. The affected products will rollback their date to 29th September 2002. This may result in:

- Loss of scheduled transmission; LRIT and VMS transmission functions.
- Incorrect date in the transmitted data and log function.
- Inmarsat network registration and communication failure.

Owners are responsible for ensuring the correct operation and function of all SOLAS equipment onboard their vessel. As a critical part of the GMDSS system, GPS equipment reporting incorrect dates will not comply with the GMDSS requirements of SOLAS IV (13.8 & 18).

Affected Products & Action Required

Model	Equipment	Action
JLR-4330	GPS Receiver	Perform Initial Settings
JLR-4331	GPS Receiver	Perform Initial Settings
JLR-7700MKII	GPS Navigator	Perform Initial Settings
JUE-250	Fleet Broadband	Upgrade to SYS 01.61
JUE-95SA/LT	Mini C	Upgrade to ACSE V.03.05
JUE-95VM	Mini C	Upgrade to ACSE V.03.55
JUE-85	Inmarsat-C	Upgrade to ACSE V.03.55

In some cases, GPS receiver equipment may continue to show an incorrect date once the initial settings have been restored. To maintain vessel compliance these models should be replaced with newer models.

Further Information

Please refer to the [JRC website](#) for further information.

Please note - The Isle of Man Ship Registry cannot give legal advice. Where this document provides guidance on the law it should not be regarded as definitive. The way the law applies to any particular case can vary according to circumstances - for example, from vessel to vessel. You should consider seeking independent legal advice if you are unsure of your own legal position.

