

## **TECHNICAL BULLETIN – GPS ROLLOVER**

### **FURUNO SAT-C/ MINI-C**

**FELCOM-15** (fitted with internal GPS module) and **FELCOM-16**:

Software update is required to postpone the rollover date to 31 December 2052.

More details on Summary Table No.1

**Summary Table No. 1**

<b>Equipment</b>	<b>Rollover Dates</b>	<b>Notes</b>	<b>Action</b>
FELCOM-15	20 December 2020	Applicable to Serial 3533-9371 and before	Software update required: 1650159-05.05 / 1650162-
	02 January 2022	Applicable to Serial No. 3533-9371 and after	05.05 1650159-03.11 / 1650162-03.08 1650159- 03.61 / 1650162-03.08
FELCOM-16	20 December 2020	Applicable to Serial No. 3534-2756 and before	Software update required: 1650160-05.05 1650160- 03.11 1650160-03.61
	02 January 2022	Applicable to Serial No. 3534-2756 and after	

**FELCOM-18** (fitted with internal GPS module) and **FELCOM-19**:

Software update is required to postpone the rollover date to 31 December 2052.

More details on Summary Table No.2

**Summary Table No.2**

<b>Equipment</b>	<b>Rollover Dates</b>	<b>Notes</b>	<b>Action</b>
FELCOM-18	02 January 2022	-	Software update required: 1650247-01.20
FELCOM-19	02 January 2022	-	Software update required: 1650248-01.20

## **FURUNO AIS**

### **FA-100/R:**

Although the rollover does not affect the communication function, the dates of the AIS internal system (internal GPS, display of own ship dynamic data, logs transmitting and receiving messages, alarm logs, and power ON/OFF logs) are incorrect. Retrofit with new model is recommended.

### **FA-150:**

Software update is required to postpone the rollover date to 16 July 2039.

More details on Summary Table No.3

### **FA-170:**

Countermeasure software will be available soon.

**Summary Table No.3**

<b>Equipment</b>	<b>Rollover Dates</b>	<b>Notes</b>	<b>Action</b>
FA-100	20 December 2020	-	Retrofit with new model is recommended
FA-150	02 January 2022	-	Software update required: 2450018-04.07
FA-170	16 August 2025	-	Countermeasure software will be available soon

## **FURUNO GPS**

### **GP-80 and GP-90:**

Rollover date depends on the GPS module installed. Software update is not planned for those units. Retrofit with new model\* is recommended.

*\*Units having GPS core module GN-8091 can be upgraded with GPS core module GN-8096D (p/n: 00015095715), postponing the rollover date to 02 January 2022.*

### **GP-150 and GP-150DUAL:**

Software update is required to postpone the rollover date to 31 December 2052.

See details on Summary Table No.4

### **GP-170:**

Rollover will never happen with a special processing by software.

**Summary Table No.4**

<b>Equipment</b>	<b>Rollover Dates</b>	<b>Notes</b>	<b>Action</b>
GP-80/90	20 June 2021	Applicable to GPS Core GN-8091 program number 4850237***	Retrofit with a new model is recommended.
	02 January 2022	Applicable to GPS Core GN-8096 program number 4850264***	Software update required: 2051518-04.05 (ENG) 2051520-04.05 (DUAL)
GP-150 GP-150DUAL	02 January 2022	-	-
GP-170	Never	-	-