

*Contain***Procedure for solving GPS - Serial Ballpoint mouse problem in Windows***Rev:* 3*Group:***QA-KSP***No:***17.22.2***Page:*

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**1. PURPOSE**

This procedure describes the configuration work performed by the commissioning engineer or by vessel crew under instructions from Kyma service department.

**2. DEFINITIONS**

KSP - Kyma Ship Performance.

**3. RESPONSIBILITIES**

The Kyma commissioning engineer is responsible for carrying out the work as described in this procedure.

**4. DESCRIPTION*****GPS – Serial/Ballpoint problem***

If the KSP system is configured with Windows operating system and NMEA interface module connected to PC serial port, we have seen some problems with the mouse pointer jumping all over the screen.

The problem is related to the GPS signal mistakenly detected as a 'Microsoft Serial/Ballpoint mouse' by Windows, and thus the cursor will jump randomly on the screen and the computer will be difficult to manage. The problem will occur when booting the computer with the GPS cable connected. During Workshop test and commissioning the computer is configured to handle this situation, but we have seen that this serial device can occur under different names. The problem described above is known to us, and the fix is as follows:

1. Disconnect all the serial cables to the Kyma PC (the mouse should now start to act normal)
2. Shut down KSP Log and KSP Display program
3. Shut down the Kyma computer.

4. Switch on power to the computer while the GPS serial cable is disconnected.
5. Shut down KSP Log program if running, as this normally starts automatically.
6. Log off as “**User**”.
7. Log on as “**Administrator**” (password = jaguar)
8. Once again, shut down the automatically starting KSP Log program.
9. Double-click the file called ‘RegfixSerMouse.reg’ and accept to do the changes to the registry when warnings are shown. If this file is not included with this instruction, it can be downloaded as “Reg Fix for Windows” from <https://www.kyma.no/#downloads>
10. Turn off the PC.
11. Re-connect the serial cables to the PC.  
Take care to ensure that they are connected to correct COM ports.
12. Start the Kyma PC. The GPS should now no longer jump randomly around.
13. Redo above procedure if the problem happens again. This can happen if new drivers are installed, as Microsoft has not yet found permanent a solution to this problem.

## **5. REFERENCES**

None

## **6. APPENDIX**

None