WinFrog Device Group:	**OUTPUT**
Device Name/Model:	**NEC Seagull**
Device Manufacturer:	
Device Data String(s) Output to WinFrog:	NONE
WinFrog Data String(s) Output to Device:	See Telegram Specification section below.
WinFrog Data Item(s) and their RAW record:	DATA OUTPUT 450

DEVICE DESCRIPTION:

This is a driver designed to output the described data to the NEC Seagull system.
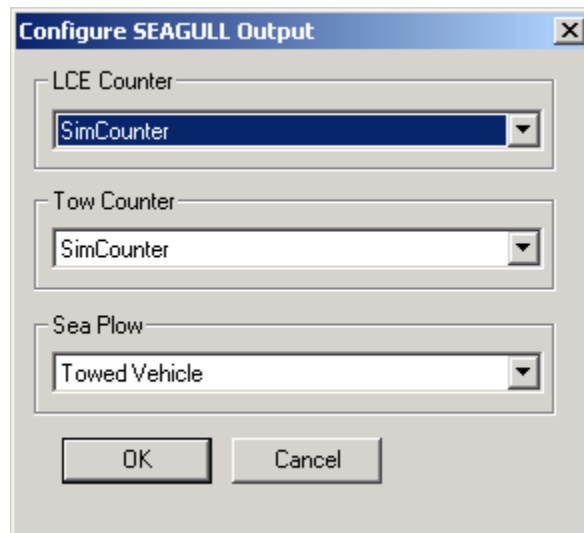
DEVICE CONFIGURATION INSTRUCTIONS

WINFROG I/O DEVICES > EDIT I/O:
Serial
Configurable Parameters

WINFROG I/O DEVICES > CONFIGURE DEVICE:

This device must be configured at the I/O Device window level. In the I/O Devices window, click the device name to select it, then right-click and select Configure Device. The Configure SEAGULL Output dialog box appears, as seen below.

From the dropdown lists, select the appropriate counter devices, as well as the appropriate Plow device.

WINFROG VEHICLE > CONFIGURE VEHICLE DEVICES > DEVICE DATA ITEM > EDIT:

Adding the NEC Seagull device creates the DATA OUTPUT data item. Once the data item has been added to the vehicle, it must be edited to suit the application.

Data item: OUTPUT, Seagull, DATA OUTPUT

Highlight the OUTPUT, Seagull, DATA OUTPUT data item and click the Edit button to open the Configure Output Offsets dialog box as seen below.
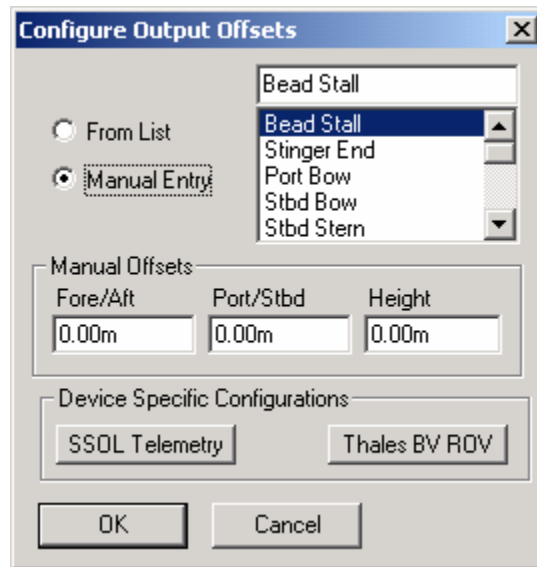
Select the desired reference point for the coordinates that are to be placed in the telegram. If an offset point is not selected and the offsets are set to 0, the coordinate output will be the Central Reference Point (CRP).

The SSOL Telemetry and Thales BV ROV buttons are not used for this device.

TELGRAM SPECIFICATION:

The data telegram output by WinFrog is in comma-delimited format and contains the following data;

Field   Data

1      $NEC

2   hr:min:sec

3   latitude (N/Shhmm.mmmm)

4   longitude (E/Whhhmm.mmmm)

5   pdop

6   heading

7   depth (m)

8   IceTension (kN)

9   IceCount (m)

10   kp

11   burialDepth (cm)

12   as laid tension (tonnes)

13   ship tow tension (tonnes)

    <CR><LF> terminated