WinFrog Device Group:	**OUTPUT**
Device Name/Model:	**Targets Vehicles**
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:	OUTPUT NONE

DEVICE DESCRIPTION:
This device outputs on a serial port (COM port) the coordinates of radar targets and selected vehicles. The label TARGET_ID will be the user-entered name of the vessel or, if a radar target, will be ARPA_1 through ARPA_20. Each vehicle or radar target is output once per second.

DEVICE CONFIGURATION INSTRUCTIONS

WINFROG I/O DEVICES > EDIT I/O:
Serial
Configurable Parameters
A dialog appears in which to change the name of the device if desired.

SETUP:

The Radar Targets (RHO-THETA) device must be present in WinFrog and radar targets must be received. Then their coordinates will automatically be output to the serial port. Vehicle coordinates will only be output if the OUTPUT,Targets Vehicles,OUTPUT data item is attached to the desired vehicle and that vehicle has a valid position.

WINFROG I/O DEVICES > CONFIGURE DEVICE:

No configuration is required at the I/O Device window level.

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

Adding the Targets Vehicles device creates the OUTPUT data item.

Data item: OUTPUT,Targets Vehicles,OUTPUT

Attach this data item to the vehicle(s) for which its coordinates are to be output. This data item may be attached to more than one vehicle. There is no edit dialog for this data item. The coordinates output are the user-selected reference coordinates (in yards) of either the CRP or the user-selected offset point for the vehicle. The data output can be viewed in the Decoded Data tab of the I/O Window.

TELGRAM SPECIFICATION:

The data telegram output by WinFrog contains the following data;

TARGET_ID, DATE, TIME, X, Y, Z, CMG, SPEED

Note that X,Y,Z are the Easting, Northing, and vehicle height. Also note that the coordinate units are in yards and that the speed is in knots.