

Ship Navigation Platform (NACOS)

**Attention:**
The Ship Navigation Platform (NACOS) is operated by ship's command only.

Summary

The NACOS ship navigation system is the main software platform for all processes concerning navigation and ship maneuvers.

Manufacturer	Waertsilae SAM Electronics
Model	NACOS Platinum
Serial No.	n/a
Type	navigation system
REGISTRY-Link	REGISTRY (2349)

No images available.

Contacts

Name	Institution	Role
Reederei Briese	Briese Schifffahrts GmbH & Co. KG	Engineer In Charge

Components

NACOS Platform includes Radar, Autopilot and Track Control, Conning and Docking display, VDR and a full navigation sensor package, joystick system and Dynamic Positioning, alarm, monitoring and control system, power management system, propulsion control system, main engine safety system, 2-stroke engine governor system, HVAC and cargo monitoring, ship-to-shore data link, remote monitoring and remote maintenance solutions. Multi-function workstation displays on the bridge provide access to all applications installed.

No subdevices available.

Position

Info	no xyz-position given, operation platform located on bridge
X	0.0 (no unit given) (no description given)
Y	0.0 (no unit given) (no description given)
Z	0.0 (no unit given) (no description given)

Data logging, storage and archiving

Logged parameter

Parameter	O2ARegistry Output Type	Unit
latitude	latitude	deg
longitude	longitude	deg

EW direction	attitude	deg
NS direction	attitude	deg
waypoints	index	number

Central geographical ship's position and time standard

Rawdata storage on board

DShip

Device name	nacos
Parameter	Nacos.RARTE.MessageMode; Nacos.RARTE.MessageNumber; Nacos.RARTE.RouteId; Nacos.RARTE.WaypointIdFrom; Nacos.RARTE.WaypointIdTo; Nacos.RAWPL.DirectionEW; Nacos.RAWPL.DirectionNS; Nacos.RAWPL.Identifier; Nacos.RAWPL.Latitude [°]; Nacos.RAWPL.Longitude [°]

Data archiving on land

Track planning

It is possible to provide nautical officer coordinates of waypoints to be uploaded in NACOS/ECDIS. The coordinates must be given in a data file, which is predefined to be a MS Excel template ([HE_waypoint_file.xlsx](#)). The table consists of following columns which are mandatory to be defined: Name of waypoint, Latitude [°], Longitude [°], Max.Speed [kn]. Definition of content for additional columns is optional.

The coordinates must be given in decimal degrees. The precision of coordinates should be of at least 5 digits (corresponds in region of north sea to ca. 1 meter).

The Excel-Sheet must be copied to dedicated USB stick hand over by nautical officer.

Documentation

- [NACOS Platinum \(Factsheet, 1 MB\)](#)