



# Navis Ready Validation (Overview Report)

SPARCS N4 3.2.6 & ISOLOC 2.1

## Introduction

Navis Ready is a validation testing program that is open to vendors supplying handheld devices and other hardware technologies within a marine container terminal operating environment. The program ensures that a vendor's hardware and specific messages have been tested and that they have integrated with specific versions of the Navis N4 terminal operating system (TOS) in an integration environment.

## Summary

In this overview report only the high level versions and features are listed. A full report is available on request. In the full report all the test cases, expected results and screenshots are shown as part of the integration work with the vendor; including level of integration and detailed walk through of the integrated features.

## Software Versions Tested

Navis Products & Version:

- SPARCS N4 3.2.6

TTC Products & Version:

- ISOLOC 2.1

## Report Validity

All Navis Ready Validations are completed against specific version, usually the major release, of a product. This ensures customers can buy and engage with vendors with confidence knowing that the majority of the integration work has been completed. The information provided in the Navis Ready Validation report is to help customer assess the level of integration achieved and is possible with a vendor. However, due to the nature of changing releases, configurable products and mission critical flows, customers should test & sign off a solution with the vendors on completion.

## Approvals

This Navis Ready Validation has the following approvals:

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# Navis Ready Validation - TTC Product - N4 PDS

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## 1. Introduction

Navis Ready is a validation testing program that is open to vendors supplying hardware technologies within a marine container terminal operating environment.

The program ensures that a vendor's hardware and specific messages have been tested and that they have integrated with specific versions of the Navis N4 terminal operating system (TOS) in an integration environment.

## 2. Navis Ready Validation - Test Validity

All Navis Ready Validations are completed against specific version of a product. This ensures customers can buy and engage with vendors with confidence knowing that the majority of the integration work has been completed. The information provided in the Navis Ready Validation report is to help customer assess the level of integration achieved and is possible with a vendor.

If a vendor is integrated with a specific release of the product it's likely they will be able to integrate with other versions. However, the customer, vendor and project team should expect to invest time and effort in to the technical and business integration as product versions change; due to API's, UI and product features changing as the product progresses. Therefore Navis Ready Validation is only completed on specific major releases.

Furthermore, with highly configurable products and mission critical flows products can be tailored to meet local requirements. Therefore some additional configuration and integration will be required on a specific implementation. Finally Navis Ready Validation is not a substitution for project testing and customers should test and sign-off a solution with the vendors on completion. If you would like to verify the contents of this report or have any other questions regarding Navis and other vendor solutions and Navis Ready Validation please contact Navis via the Navis Website ([www.navis.com](http://www.navis.com))

## 3. About TTC

TTC Holding is a Group consisting of two companies (TTC & MGPS), optimizing yard utilization, port resources (equipment and labor) and increasing operational productivity of the container terminals (ISOTOP & ISOLOC).

ISOHOP supports the organization of the various actors of the supply chain. The subsidiary TTC deals with the research and the programming of these software packages, and MGPS manages the distribution and the manufacturing of our technologies (OCR, SensorBox, DGPS, etc.)

For many decades now, our products have been operating in the entirety of the Mediterranean French ports.

## 4. Navis Summary

TTC has decided to develop its own web based application for straddle VMTs and to send lift, set and progress update message to ECN4. This application will interface with ECN4 for set, lift and progress update for straddles

## 5. Specific Version Tested

Navis Products & Version:  
\* Navis N4 3.2.6

TTC Products & Version:  
\* ISOLOC 2.1

## 6. Features Tested

Navis N4 functionalities for the following operation:

- \* Primarily yard related operations for Straddle equipment that service Vessel and Gate operations.
- \* ECN4

## 7. Features Not Tested

Navis N4 functionalities not tested for the following operation

- \*Terminal Equipment's message flows for Reach Stackers and Empty Handlers.

## 8. Testing Approach

The validation focused on the container business flows in a marine terminal; this included testing of TTC product with N4 end to end flows.

The validation requires N4 3.2 setup and appropriate license configured. The TTC product was integrated to ECN4 using XMLRDT.

## 9. Schedule

Navis Ready validation testing with the TTC PDS product - ISOLOC was completed over a 2 week period (09.01 - 17.01)

This included:

1. Setup of TTC ISOLOC product in Customer Environment
2. Configuration activities for TTC
3. Setup and configuration of a test system for Integration Testing
4. Testing by Navis Professional Services
5. Final Navis Ready Validation testing of TTC ISOLOC product for PDS

## 10. Integration/Testing Artifacts

As part of the Navis Ready Validation program a number of supporting documents are created to support future testing. The following artifacts exist and are available on request:

- o ECN4 test cases

## 11. Environmental Needs for Testing

The following environment will need to be setup for integration testing; the equivalent would be required for project testing:

Navis Products

- \* N4 System installed in London, UK

TTC Products

- \* ISOLOC

## 12. Staffing and Training Needs

It is not possible to deploy and implement this solution independently. Given the nature of a TTC product, customers would need to work with the vendor on an implementation project. This is usual for this type of integration and implementation, taking in to account the specific requirements, terminal layout and infrastructure a terminal may have.

## 13. Approvals

This Navis Ready Validation has the following approvals:

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