

WHAT'S NEW IN N4 RELEASE 3.2

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ABOUT N4 RELEASE 3.2

Navis N4 release 3.2 executes on the vision to provide a technology platform that increases the productivity and efficiency of terminals in all operational environments. N4 3.2 includes a features and enhancements that help terminal operators to meet the new regulatory requirements of SOLAS, enable IT teams to administer and maintain N4 more easily, and provide innovative solutions for terminals utilizing rail and automated equipment.

The following provides an overview of the key enhancements introduced in N4 3.2. For more technical details on this release, please consult the N4 3.2 Release Notes.

SOLAS Verified Gross Mass (VGM)

Navis N4 3.2 supports the new SOLAS Verified Gross Mass mandate and provides an easy, user-friendly means for terminal operators to capture container weights prior to loading. The following new fields support VGM:

- **VGM Weight** – This field stores the Verified Gross Mass
- **VGM Verifier** – This text field captures the party/entity authorizing the VGM Weight
- **Gross Weight Source** – This field represents the source that generated the Gross Weight of the unit
- **VGM Updated Date** – This field stores the Timestamp

More information on SOLAS functionality in N4 can be found in the recent Navis SOLAS webinar on the Navis website.

Administration and Maintenance Improvements

N4 release 3.2 includes more features that help terminal IT teams to monitor, maintain and support N4 systems. These include:

- The new Log Collector is a utility that collects log files from the Bridge, XPS, ECN4 and ECN4Web and consolidates the data in the Node Information Desk.
- Data archive and purge improvements help to maintain performance levels and usability of data.

Functional Improvements and Enhancements

Additions to N4 in version 3.2 include improvements and enhancements that will help terminals to optimize operations and be more efficient. These include:

- Visibility for multi-lift operations in the Bay View of the Crane Team Application. Containers that are a part of the multi-lift group are clearly highlighted with the origin and destination blocks in an intuitive manner. Terminal staff involved in vessel operations can monitor and anticipate changes easily and efficiently.
- Improvements to EDI posting rules that enable administrators to have control over how an incoming message is applied to an existing Unit.
- Yard segregation factors in Expert Decking that enable users to improve yard distribution, allowing operators to deploy more yard cranes during vessel operations while minimizing yard clashes resulting in increased productivity and faster vessel turnaround time.
- Double byte character support for gate tickets that enables tickets to be printed in more languages.

Improving the Productivity and Flexibility of Rail Operations

N4 3.2 now enables terminals to pair and validate the load of two 20' containers that are not twin lifted but moved from different locations to the same decoupled chassis. N4 supports 2 x 20' rail moves for terminals using automated, semi-automated and manual operations.

New Functionality for Automated Equipment



ASH Scheduler: Autosshuttle moves are optimized by the ASH Scheduler to maximize the number of containers that are moved and to minimize ASH unladen time. Continuing on the vision of providing innovative solutions for terminals using automated equipment, N4 3.2 introduces support for horizontal transport Autosshuttles (ASH) to improve the movement of containers between waterside and yard storage areas. This includes extended and enhanced transfer zone management that optimizes ASH movements by supporting decoupled container interchanges between the yard and quay cranes.



Quay Crane Scheduler: The Quay Crane Scheduler (QC Scheduler) helps to minimize crane idle time and reduce the time that horizontal transport vehicles are waiting for interchange with the quay crane. The QC Scheduler refines the output of the Quay Commander by considering real-time crane delays and supports multiple operational types like double barge banking. This results in higher precision handoffs especially for AGVs.



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Navis provides operational technologies that unlock greater performance and efficiency for our customers, the world's leading terminal operators. The Navis N4 terminal operating system (TOS) represents more than 25 years of experience and innovation that enables terminals to optimize their operations and move cargo smarter, faster and more efficiently. As an industry leading technology, more than 250 container terminals worldwide have partnered with Navis to improve performance, reduce costs and minimize risk.