

Main Changes in NI465 Condition Assessment Programme (CAP)

The main changes in Bureau Veritas NI465 *Condition Assessment Programme* October 2026 edition with respect to the previous edition (May 2015) are as follows.

Rules history

July 2026 edition Contents	Previous edition: May 2015 Contents
NI465 – Condition Assessment Programme NI465.DT R02 E July 2026	NI465 – Condition Assessment Programme NI65. DT R01 E May 2015

Overview

This new edition of NI 465 includes:

A new structure of the guidance combining NI 465 and NI 623

Various editorial modifications throughout the document

Updates and clarification of various technical points

In addition, section 4 et section 5 have been created specifically for Gas carriers and Offshore Support Vessel types.

Section 1 – General

Topic	Description	Reference
Reporting time	Clarification of the reporting time due to complete a CAP report following the end of survey.	Sec 1, [1.1]
CAP Application	Enlarged to other vessel's type namely: Bulk Carriers, Liquefied Petroleum Gas (LPG) Carriers, Liquefied Natural Gas (LNG) Carriers and Offshore Support Vessel (OSV)	Sec 1, [1.2]
Assessment Scope	New module within the assessment scope: Hull equipment and Systems. New table illustrating the recommendation scope of inspection per ship Type.	Sec 1, [1.3]
Module Methodology	Clarification of the Methodology per modules	Sec 1, [1.3]
Inspection Definition	Clarification of the inspection condition.	Sec 1, [1.4]
Assessment Process	Clarification of the definition of the CAP Attestation.	Sec 1, [1.5]
CAP Rating definition	Restructuration of tables related to the CAP ratings and condition of criteria specific to items and documentation.	Sec 1; [1.6]
IACS Safety Guidelines	Clarification and addition of IACS guidelines applicable for CAP surveys.	Sec 1, [1.7]

Section 2 – Hull Structure Assessment

Topic	Description	Reference
Hull Structure assessment preparation	Clarification of: - the survey scope for bottom assessment conducted in IWS. - the use of RIT for IWS assessment - the use of BV UTM Data Platform for non-BV vessels	Sec 2, [2], [2.1.1]
Structural History review	Clarification of the SHR documentation needed and addition of new documents to prepare and compile the SHR.	Sec 2, [2.2.1]
CAP Declaration Form	Addition and definition of the CAP Declaration Form.	Sec 2, [2.3.1]

Topic	Description	Reference
Structural and Fatigue Analysis	Clarification of the rejection of a CAP report if the SFA has not been carried out prior the start date of survey. Addition of a new table to illustrate the repair method based on estimated fatigue life and inspection results.	Sec 2, [2.4.1]
UTM reports acceptance	Update of the acceptance date of UTM reports acceptance prior to the assessment. Clarification of the BV UTM Data Software for CAP UTM measurements and results.	Sec 2, [2.5.1]
General Scope of Inspection	Clarification of scope of inspection integrating repair plans and reparation.	Sec 2, [3.1.1]
Structural AUCs subject to CVI	Deletion of the column highlighting the scope for vessels aged between 5 and 10 years.	Sec 2, [3.3.1]
Structural AUCs subject to UTM	Deletion of the column highlighting the scope for vessels aged between 5 and 10 years.	Sec 2, [3.4.1]
CAP Rating methodology	New figure explaining the methodology for the structural condition assessment. Addition of the coating guide booklet references	Sec 2, [5.1.1]
Categorisation of the ship's structure	Wording update: "sections" instead of "Groups". Clarification of Individual compartments and groups of compartments in the table defining the list of structural AUCs per section.	Sec 2, [5.2.1]
Structural AUC rating calculation	Restructuration of specific rules rating through a new table highlighting the NI, NC, NA and Anodes ratings.	Sec 2, [5.3.1]
Section rating calculation	Update and wording changes.	Sec 2, [5.4.1]
Overall Structural condition rating calculation	Update and wording changes.	Sec 2, [5.4.5]
Structural AUC rating rules	Restructuration of table illustrating the visual condition rating definition, coating condition rating criteria, and the measured wastage rating criteria.	Sec 2, [6]
Coating assessment criteria	Addition of new column highlighting the IACS/IMO Condition Equivalent to the coating condition rating criteria.	Sec 2, [6.1.1]
UTM Assessment Criteria	Update of the measured wastage rating criteria for rating 1 for hull structure.	Sec 2, [6.3.1]
S-curves and measured wastage rating	Clarification of the BV UTM Data platform to compile and create the S-curves. Update of the figure illustrating the reading of the S-curves diagram.	Sec 2, [6.3.2]
Global UTM Assessment methodology	Deletion of the section "Assessment of structural Section using the BV UTM Data Platform". Deletion of the several examples for categorising the main deck into sub-groups for the global UTM Assessment.	Sec 2, [7.1.1]

Section 3 – Machinery and Systems Assessment

Topic	Description	Reference
Categorisation of equipment and systems	Addition of a figure to highlight the operational condition assessment methodology based on bottom-up approach.	Sec 3, [5.1.1]
Item rating calculation	Clarification of the specific rating rules for IUC through a Table.	Sec 3, [5.2.1]
Specific calculation Rules	Addition of rules specific to machinery and systems and supplementary condition assessment for machinery which has not been dismantled during the inspection.	Sec 3, [5.2.2]

Topic	Description	Reference
Section Rating Calculation	Update and wording changes.	Sec 3, [5.3.1]
Overall operational condition rating calculation	Update and wording changes.	Sec 3, [5.4.1]
Audits of the vessel PMS	Update and wording changes.	Sec 3, [5.4.1]
Assessment of the records of the lubricating and hydraulic oil analysis	Update of the Scope assessment for Hull and Cargo equipment and Systems module and Propulsion and Auxiliary Systems module.	Sec 3, [6.3.3]
Function Test	Clarification of the main Engine function test rating if the vessel is equipped with: - EPL or ShaPoLi - DF Engine	Sec 3, [7.2.1]
UTM	Update of: - the UTM results acceptance criteria. - the reduction in thickness in % permissible diminution for rating 1.	Sec 3, [7.4.1]
Lubrication Oil / Hydraulic oil analysis	Update of the table illustrating the LO/HO rating rules / definition by deleting rating 2 and rating 3.	Sec 3, [7.7.1]
Survey requirements specific to the module Hull & Cargo Machinery Fittings and Systems	Update and Transfer of Items definition and ratings from previous Guidance Note NI 623: Heat Exchanger / Deaerator / Pumps / Cargo Handling system	Sec 3, [8]
Survey requirements specific to the module Propulsion & Auxiliary, Machinery Fittings and Systems	Update and Transfer of Items definition and ratings from previous Guidance Note NI 623: - Propeller shaft and bearing - Main thrust block and plummer blocks - Reduction Gearboxes - Turbo generators - Evaporator - Diesel Generator - Air compressors and air receivers - Purifiers and separators - Automation - Pipes lines - Fire pumps - Fire / Smoke / Gas detection / Fire Fighting Systems - Breathing / Emergency Escape Breathing Apparatus - Emergency Generator Engine and Emergency Fire Pump - Machinery Spares - Electric Installations - Instrumentation - Emergency Shutdown System - Electric equipment in hazardous areas - Electrical Installation spares - Cabling - Earthing - Power Generation - Batteries - Switchboards and electric sub distribution panels - Transformer - Rotating Machines - Main lighting - Emergency Lighting - Control of propulsion and steering - Automation Control Systems - Fire alarm System, Panels / Detectors - Internal Communication Means	Sec 3, [9]

Section 4 – Specific Requirements for LNG Carriers

Topic	Description	Reference
Scope	Update of references.	Sec 4; [1.1.1]
Survey Flexibility with CAP	Introduction of the Survey Flexibility for CAP survey with Class.	Sec 4, [2.4.2]
Cargo Tanks and adjacent spaces opening	Introduction of the definition the alternative assessment for gas carriers. Clarification of procedural requirement and definition of an adjacent space through a note. Definition of a potential rejection of CAP report clarification for conducting the alternative assessment scope if not agreed prior with the client.	Sec 4, [3.1.2]
Cargo Tank Internal examination	Membrane type – GTT: Update and clarification of the tightness monitoring test.	Sec 4, [3.3.3]
Membrane Type Element	Membrane Type Restructuration of table: Membrane type GTT. Clarification of elements within the inspection scope of the membrane: Pump Tower Base Plate and Pump Tower Base Support.	Sec 4, [3.3.3]
Alternative Cargo Tank assessment	Addition of the Alternative Cargo Tank assessment through a detailed step by step approach and table illustrating all assessments for specific elements of the membrane type specific to GTT.	Sec 4, [3.3.4]
Steam Turbines and gear box systems	Update of the Steam Turbines and gear box systems scope.	Sec 4, [5]

Section 5– Specific Requirements for OSVs

Topic	Description	Reference
General	General Scope for CAP OSV.	Sec 5, [1]
Hull	Hull Assessment scope for OSV including the general part, critical areas, fatigue analysis, survey scope, additional documentation, suspect areas, photographs, structural architecture, close-up examination with vessel age, additional structural architecture and requirements for OSV with specific notation.	Sec 5, [2]
Systems and Equipment	Systems and Equipment assessment scope for OSV including the scope of items and technical criteria of both Hull & Machinery, Fittings and Systems and Propulsion & Auxiliary Machinery Fittings and Systems.	Sec 5, [3]