AVEVA Implementation Support

Tribon M3

OPERATIONS GUIDE

Hull Design

This service is part of a set of services to make you familiar with new methods and allow you to better utilise your Tribon M3 investment.

Our consultants have profound shipbuilding experience, as well as representing a number of nationalities and languages. Curriculum Vitaes (CVs) are available on request.

Reasons

To ensure that all personnel that operate the Tribon M3 Hull application in a consistent manner that meets the general company needs.

Participants

At least one participant from each of the following disciplines:

- Design Office – Hull
- Production Engineering
- Production Planning
- Technology/Standards

Pre-requisites

All participants must be familiar with the Tribon M3 concept. At least one participant must have attended the Hull Modelling training course.

Process Leader

A senior shipbuilding consultant from AVEVA.

Process Approach

Group meetings and discussions.

Time

Five days.

Expected Results

Operations Guide document defining the above issues for the specific environment at the customer site.

Agenda

- Standards for drawings, view directions (eg. portside looking aft, starboard looking forward, etc.)
- Rules for definition and naming of blocks
- Rules for part naming in production
- How to handle symmetrical parts portside/starboard individual storing of parts PS/SB even if modelled as symmetric part?
- Used material qualities
- Profile types: which profile types are used?
- End cut standards for profiles
- Standards for profile connections (gaps, overlaps, offsets, etc)
- Look of stiffeners in symbolic hull drawings
- Standards for folded (bent) flanges (bending radii, end shape, etc.)
- Hole (opening) standards (compare with Trubon M3 standard)
- Standards for clip (collars) in cut-outs
- Bracket standards
- Notch standards (notches are in Tribon M3 small corner) and edge cut-outs ('rat holes') of many different shapes
- Cut-out standard (cut-out is an opening for penetrating profile
- Bevel standards)option). 'Dotori' (continuously varying bevel angles) to be used?
- Standards for swedging ('small corrugation', eg in superstructures
- Standards for knuckling (bending radii, stretching as a function of bending angle and material thickness)
- Shrinkage compensation (amount of shrinkage as a function of material thickness, butt/fil let weld)

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