

SECTION 4

CALCULATION PROGRAMMES

1 General

1.1 Application

1.1.1 The present Section deals with the various calculation software developed by Bureau Veritas to help checking the requirements of the present Rules.

1.1.2 The list of software is given hereafter, together with their main purpose and scope of application.

Application for these software is to be transmitted to the following internet address:

- MarinesoftwareMail@bureauveritas.com

Information can also be found on the following web site:

- <http://www.veristar.com>

2 Software

2.1 STEEL

2.1.1 This software allows any type of 2D or 3D beam analysis, for metallic structure.

It includes user-friendly pre-processing for the modelling and post-processing for the bending moments, shear forces, and resulting stresses analysis.

Curved beams may easily be modelled and calculated, using dedicated pre-processing developed separately.

2.2 COMP 2000

2.2.1 This software allows the detailed strength analysis of any type of composites panel or stiffeners, and calculation of strength characteristics of hull girder transverse section, according to Part B, Chapter 9 and to Part B, Chapter 12.

It includes the failure criteria to be considered.

2.3 MARS

2.3.1 Using the appropriate sub-routine, this software allows the calculation of geometrical characteristics of any transverse section of yachts made of metallic materials.