

Changes in wind definition

Until now the definition of the wind data occurred by the definition of the wind contour. Each wind contour had its own wind pressure and its own wind moments. This meant that if a calculation asked for another wind pressure, another wind contour had to be defined, even if the contour itself was identical. If the wind pressure at the damage stability calculations was less than in intact condition, another wind contour had to be selected for the concerning loading condition. For fairing the use of wind data and wind contour, a number of changes are implemented.

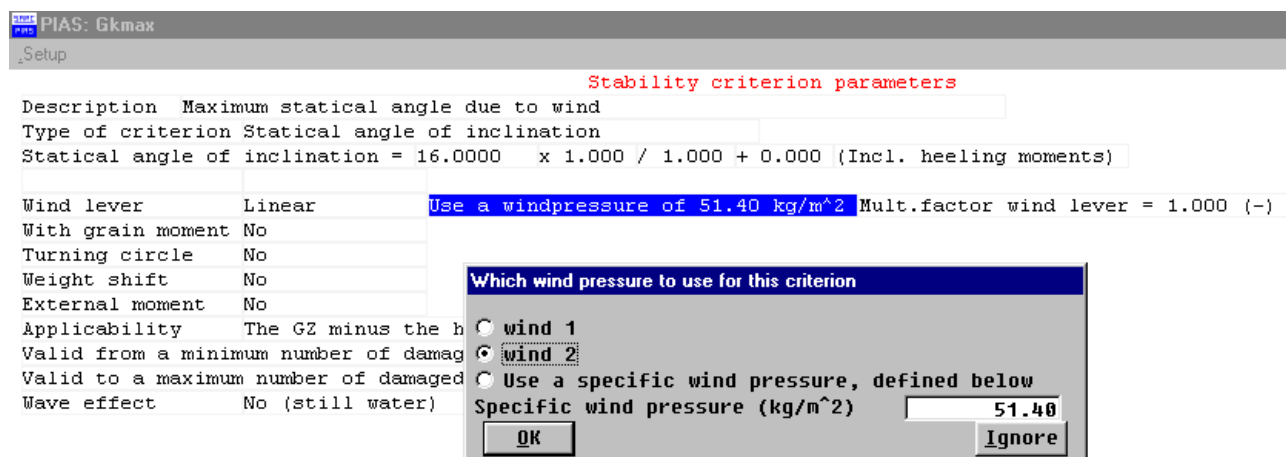
The definition of the wind data and wind contours is separated. Both still can be defined in the module of chapter 250 (Input of contour and calculation of wind moments), but are completely detached. Next to the definition of the wind contours, a number of wind data sets can be defined now. At each wind data set the wind moments can be calculated and printed for each selected wind contour. If desired the wind moments can be defined by oneself. If wind criteria for a specific wind contour are calculated, the linked table of wind moments must be available. From now on the depth and the bilge keel area can only be defined at the main particulars of the ship (chapter 70, Input of existing hullform).

At the definition of the wind criteria a pre-defined wind data set has to be selected. At the criteria for damage stability calculations a lesser wind pressure can now be selected. At the VCGmax calculations, still all selected wind contours are calculated.

At the loading conditions a wind contour is still selected in the same old-fashioned way, with this difference that only if the contour itself is changed (f.e. container vessel), another contour has to be selected.

The manuals of the involved modules will be up-dated on short notice.

Unfortunately a file conversion is necessary for the storage of the wind data and wind contours. This conversion is carried out automatically by starting up the module of chapter 250. If a module which is able to use wind data is started up, a message pops up with the remark that the wind data have to be converted first. If this is done, the correct wind has to be selected at each wind criterion, see below :



The converted files can not be used with the outmoded modules.