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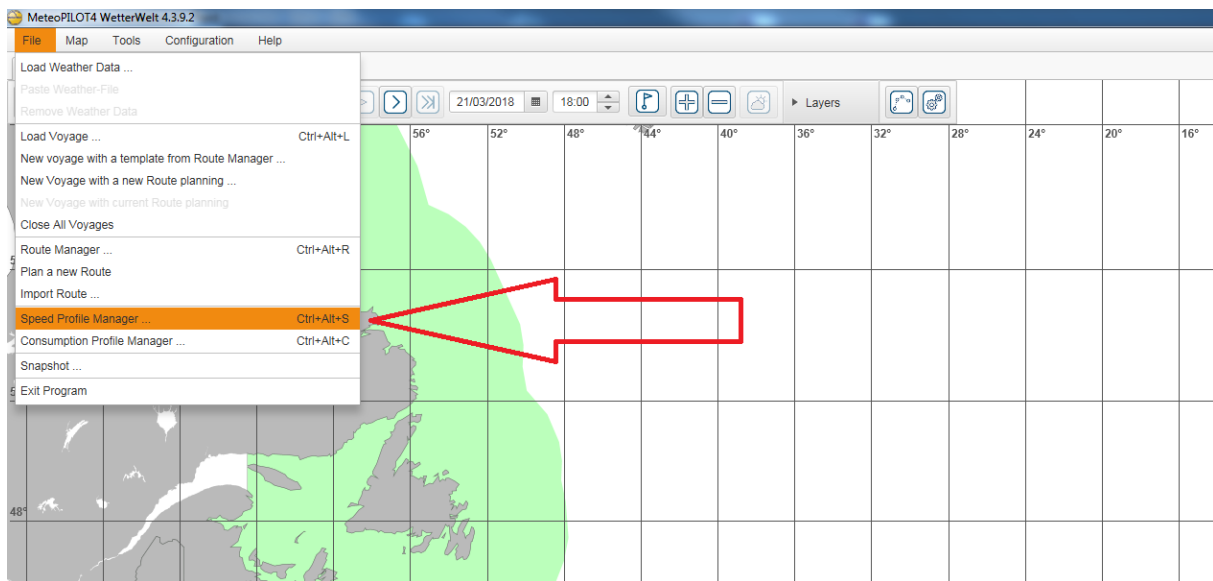
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1. Speed Profiles:

MeteoPILOT 4 uses different profiles for calculating speed and consumption performance figures on a specific voyage.

Therefore a profile management for speed profiles and consumption profiles can be done, respectively.

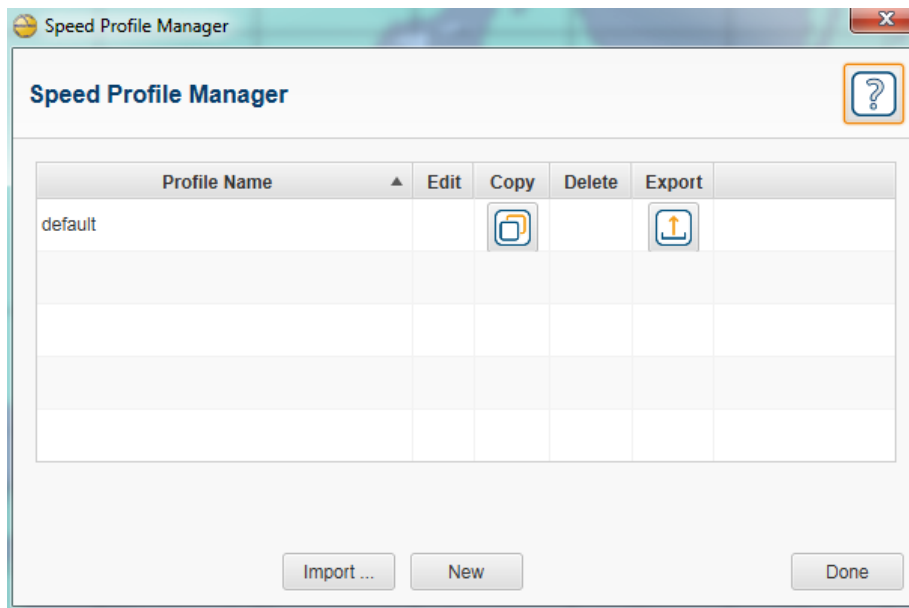
(A) Create New Speed Profiles:



Go to main menu → File → Speed Profile Manager

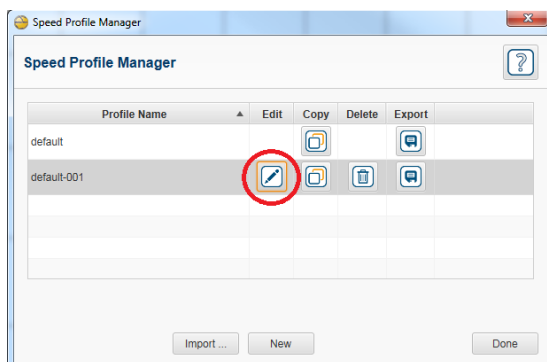
MANUAL

HOW TO use speed profiles



The Speed Profile Manager lists all your speed profiles.

To add a new speed profile, copy the default profile and click 'edit'



Wind and wave impact on ship speed.

Values in percent depending on wind/wave angle and wind speed / wave height (0° = ahead, 180° = astern).
(100 % = Base Speed = SOG in calm weather / sea conditions)

force [Bft] / angle	2	4	6	8	10
0°	100	100	95	85	75
45°	100	100	100	90	85
90°	100	100	100	100	100
135°	100	100	100	102	105
180°	100	100	102	105	110

height [m] / angle	2	4	6	8	10
0°	95	80	50	30	10
45°	97	90	80	30	15
90°	100	95	70	40	25
135°	100	95	75	60	40
180°	105	98	85	75	50

Test the profile

Ship Base Speed [kts]	Wind Force [Bft]	Wind Angle [°]	Wave Height [m]	Wave Angle [°]	Resulting Speed over ground [kts]

Save as ... Save Cancel

The Speed Profile Editor opens and allows you to define the specification of ship speed behavior in different wind and wave impact conditions.

MANUAL

HOW TO use speed profiles



Speed Profile Editor

Edit Ship Speed Profile 'default-001'

Wind and wave impact on ship speed.

Values in percent depending on wind/wave angle and wind speed / wave height (0° = ahead, 180° = astern).
(100 % = Base Speed = SOG in calm weather / sea conditions)

force [Bft] / angle	2	4	6	8	10
0°	100	100	95	85	75
45°	100	100	100	90	85
90°	100	100	100	100	100
135°	100	100	100	102	105
180°	100	100	102	105	110

height [m] / angle	2	4	6	8	10
0°	95	80	50	10	10
45°	90	90	80	30	15
90°	100	95	70	40	25
135°	100	95	75	60	40
180°	105	98	85	75	50

Test the profile

Ship Base Speed [kts] Wind Force [Bft] Wind Angle [°] Wave Height [m] Wave Angle [°] Resulting Speed over ground [kts]

Save as ... Save Cancel

DoubleClick into the cell of the matrix to change the values.
Values are percentages of the base speed.

The '**Base Speed**' is defined as the speed over ground (SOG) in calm water and good weather conditions.

For exact specification, please use the "test the profile" function
At the bottom of the dialog window.

Once the speed profile has been finalized, save the speed profile.

Rename any new profile by double-clicking on the name.

Speed Profile Manager

Profile Name	Edit	Copy	Delete	Export
default				
default-001				
default-001-001				

Import ... New Done



(B) Import / Export Speed Profiles:

MeteoPILOT speed profiles can be exported and imported as a json-file. Use the import- / export buttons in the speed profile manager to do this.