

DNB Cup Rules

These rules enter into force as from January 1st, 2016 and stay valid as until the introduction of new rules. They are result of an agreement among the national FJ Class organisations (NFJO) Germany, the Netherlands and Belgium.

Negotiators:

Michael Korsmeier on behalf of NFJO GER

Hylke Sasse on behalf of NFJO NED

Sarah De Canniere on behalf of NFJO BEL

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Preamble

The DNB Cup is a competition for the FJ Class sailors from Germany, the Netherlands, Belgium and Luxembourg. It was founded in 1971. The idea is to give the sailors from the named countries the possibility to match with each other during a whole sailing season at different places and under different sailing conditions. One important goal of the DNB Cup is to encourage sailors to visit races in the neighbor countries.

Keeping the goals in mind, these rules were developed to provide all competitors with an easily understandable and fair system.

After some *definitions* the *point system* and the *calculation* procedure are explained. At the end you find an *example* calculation.

Strictly speaking the rules are only the chapters *definitions*, *point system* and *calculation*. The rest is only given as background information or explanation.

Definitions

In the following a term is underlined if it refers to a definition in these rules.

<u>Season</u>	A sailing season starts on January 1st and ends on December 31st.
<u>DNB Cup</u>	Name of the competition and also the trophy awarded to the <u>DNB Cup winner</u> . DNB is an abbreviation for Deutschland-Nederland-België.
<u>DNB regatta</u>	Each of the countries Germany, the Netherlands and Belgium is allowed to place two regattas for the DNB Cup. Each country has to inform the other countries about its two DNB regattas before the start of the season.
<u>DNB ranking</u>	Ranking of the boats that competed. Its calculation is described below. In the ranking shall be noted who sailed the boat during the single <u>DNB regattas</u> .
<u>Total points</u>	Total points of a boat in the <u>DNB ranking</u> , which is sorted according to these points (highest points first).

<u>DNB Cup winner</u>	Winner is the boat, which leads the <u>DNB ranking</u> at the end of a season. Honored with the <u>DNB Cup</u> shall be the helmsman and crew who are responsible for the largest fraction of <u>total points</u> .
<u>Race</u>	Individual race sailed during a <u>DNB regatta</u> .
<u>Result</u>	Points that are awarded to a boat for one <u>DNB regatta</u> .
<u>Multiplicator (m)</u>	Maximum number of results entering the <u>DNB ranking</u> from one <u>DNB regatta</u> .

Point System

The winner of a DNB regatta gets 100 points. The other sailors get a fraction of this 100 points according to their place.

$$P = 100 \cdot \frac{N + 1 - n}{N}$$

Here P are the result, N is the number of competitors (number of boats that at least started once) and n is the place of the boat.

Calculation

For the DNB ranking the best 10 results of a boat are included. The number of results that can enter the DNB ranking per DNB regatta is the multiplicator. The multiplicator equals the number of races during a DNB regatta for one and two races. For three and more races the multiplicator is three.

The total points of a boat in the DNB ranking is the arithmetic mean of the 10 best results:

$$T = \sum_{i=1}^{10} \frac{P_i}{10}$$

Here T is the total points and P_i are the 10 best results. If a boat has less than 10 results the missing ones are filled with 0 points.

Example

What follows here are only examples. Strictly speaking this part does no longer belong to the DNB Cup rules.

Let's assume you sailed:

Race	Place (n)	Competitors (N)	Races	Result
German Open	3	25	6	92
Dutch Open	7	20	4	70
Belgian Open	4	20	2	85

Total points for the DNB ranking:

$$T = \underbrace{(92 + 92 + 92)}_{m_{\text{GermanOpen}}=3} + \underbrace{(85 + 85)}_{m_{\text{BelgianOpen}}=2} + \underbrace{(70 + 70 + 70)}_{m_{\text{DutchOpen}}=3} + \underbrace{(0 + 0)}_{\text{two missing results}}) / 10 = 65.6$$

As you see you need to visit at least four DNB regattas in order to miss no results. In Fig. 1 you find an exemplary raking.

Place	Boat	Helm/Crew	Points	m
1	NED 961		98.95	
	Paashaas	Rolf de Jong, Esther de Jong	100.00	3
	Dutch Open	Rolf de Jong, Esther de Jong	100.00	3
	Duisburg	Rolf de Jong, Esther de Jong	100.00	3
	Belgian Open	Rolf de Jong, Esther de Jong	89.47	3
2	GER 381		88.99	
	German Open	Norbert Riffeler, Gudrun Korsmeier-Riffeler	91.30	3
	Dutch Open	Norbert Riffeler, Gudrun Korsmeier-Riffeler	85.71	3
	Duisburg	Norbert Riffeler, Gudrun Korsmeier-Riffeler	58.82	3
	Belgian Open	Norbert Riffeler, Gudrun Korsmeier-Riffeler	100.00	3
3	NED 1419		88.89	
	Paashaas	Hylke Sasse, Jori Vermeij	88.89	3
	German Open	Bart van den Hondel, Jori Vermeij	56.52	3
	Dutch Open	Hylke Sasse, Jori Vermeij	92.86	3
	Duisburg	Hylke Sasse, Jori Vermeij	88.24	3
	Belgian Open	Hylke Sasse, Jori Vermeij	78.95	3
4	GER 407		79.41	
	German Open	Thorsten Willemsen, Stephanie Tauchert	100.00	3
	Duisburg	Thorsten Willemsen, Lisa Schabel	64.71	3
	BeNeLux Cup	Thorsten Willemsen, Stephanie Tauchert	100.00	3

Fig. 1: DNB Ranking example.