SHORT INTRODUCTION TO THE BRITFAIR-FORMAT FOR HULL DEFINITION

The *Britfair* is a fairly powerful, yet straight forward hull geometry definition data format. This document briefly explains the most basic data format for the definition of sequential sections forming a hull. When you create your hull keep in mind that:

- Data separation is usually done using blanks (mellanslag) and ***not*** tab.
- The coordinate system is defined as *x* being the length coordinate from stern to bow, *y* is positive to port and *z* from keel upwards, usually with the hull lower point as z=0. For sailboats, usually the lowest point of the canoe-body is used as z=0.
- Define the sections in sequence starting with the aft-most section.
- Define each section with the offset points sequentially starting at the keel and then in counter-clockwise direction.
- You only need to define the right (starboard) side of the hull if the hull is symmetric.
- You shall save your file as an ASCII textfile with extension .txt or .bri (*not* .doc or similar).

The following is an example of a Britfair file with explanations:

File content :	Explanation :			
Britta	Arbitrary hull name.			
1	Start of section 1 definition… it has to be here, just accept that ☺…			
8 -4.42 -4.42	No of section offsets	section x-coord.	section x-coord.	S
0.00 0.00	y z			E
0.04 0.00	y z			C
0.04 9.20	y z			T
3.52 9.88	etc			I
6.28 10.68				O
8.84 12.08				N
10.32 13.76				
11.12 16.24				1
0	End of section 1.			
11 0 0	No of section offsets	section x-coord.	section x-coord.	
0.00 0.00	y z			
0.16 0.00	y z			S
0.24 5.00	etc ...			E
0.56 7.20				C
1.40 8.12				T
2.68 8.72				I
6.52 10.04				O
8.76 11.16				N
10.52 12.76				
11.56 14.60				2
11.96 16.20				
0	End of section 2.			
...	Section nr 3			
...	etc...			E
...	...			T
...	...			C
0	End of section xx.			
8 162 162	No of section offsets	section x-coord.	section x-coord.	S
0.0 3.5	y z			E
0.0 4.0	y z			C
0.0 6.0	osv...			T
0.0 8.0				I
0.0 10.0				O
0.0 12.0				N
0.0 14.0				
1.0 16.44				n
0	End of section			
0 0 0	End of file indicator.			