



## CIVL- EN COMPETITION CLASS REQUIREMENTS

### 1) Lines

According to EN 926-1.

### 2) Loadtest

Shock and sustained loadtest according to EN 926-1.

### 3) In-flight tests

Only in-flight tests have to be performed. These flight tests have to be done according to EN-D standards, but at maximum weight only.

The official pilots from the test houses test-fly the glider, but with pilot's input after 1 second. The tests have to be performed in a configuration flown normally at competitions (harness...).

### 4) Maximum speed

The maximum speed is 65km/h.

### 5) Aspect ratio

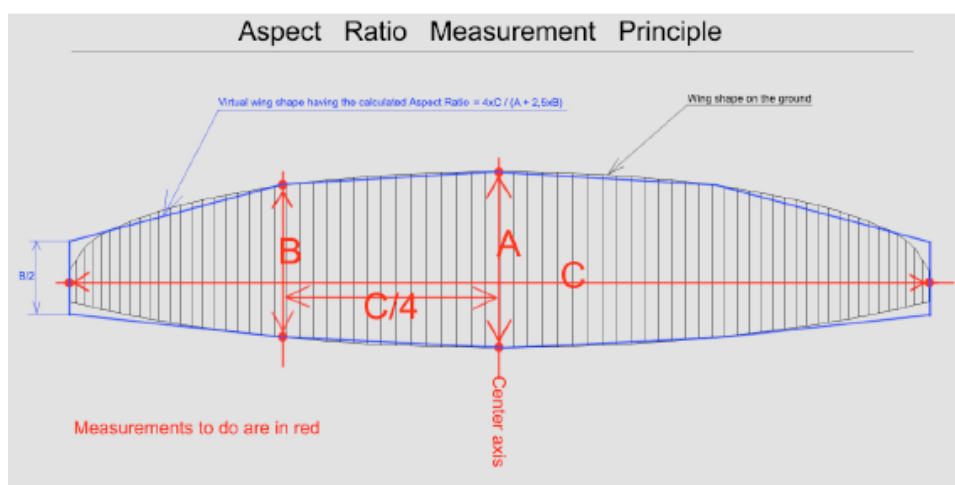
The maximum aspect ratio is 7.

The aspect ratio is determined according to the following formula and figure:

$$\text{Aspect Ratio} = \frac{4C}{A + 2\frac{1}{2}B}$$

where C is flat span measured from wingtip to wingtip, A is the centre chord as found when the wing is folded wingtip-towingtip to find the middle, and B is the chord at one quarter of the span, again found by folding the wing one more time.

No leading edge or trailing edge concave sections within the centre half of the wing are allowed. The wingtips are free to be designed at the manufacturer's discretion.



6) These characteristics and procedures will be revised every 2 years.

7) We expect the WG6 to officialise this new EN Class before 2015. CIVL will request to be a member of the WG6.