

	Test Report	Avenue Patrick	Date 10-May-07		
Manufacturer	<i>Axispara</i>	Model	<i>Vega II</i>	Size	<i>L</i>
Harness	<i>SupAir EVO xc2</i>	Weight in flight	<i>100kg</i>	Type	<i>abs</i>
				Ventral	<i>42cm</i>

Measurements & possible ranges

- | | | |
|------------------------------|-------------------------------|---|
| 1 Rising Behaviour | Smooth, easy, constant rising | A |
| 2 Special take-off technique | No | A |

Measurements & possible ranges in the landing test

- | | | |
|----------------------------|----|---|
| Special technique required | No | A |
|----------------------------|----|---|

Measurements & possible ranges in the speeds in straight flight test

- | | | |
|---|------------------|---|
| Measurement & ranges | | |
| 1 Trim speed more the 30km/h | Yes | A |
| 2 Speed range using the controls larger than 10km/h | Yes | A |
| 3 Minimum speed | Less than 25km/h | A |

Classification of a paragliders behaviour in the control movement test

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|---------------|-----------------|------------------------------|---|
| Max weight in | more than 100kg | increasing greater than 60cm | A |
|---------------|-----------------|------------------------------|---|

Classification of a paragliders behaviour in the pitch stability exiting accelerated flight

- | | | |
|------------------------------|----------------------------|---|
| 1 Dive forward angle on exit | Dive forward less than 30° | A |
| 2 Collapse occurs | No | A |

Classification of a paragliders behaviour in the pitch stability operating controls in accelerated flight test

- | | | |
|-----------------|----|---|
| Collapse occurs | No | A |
|-----------------|----|---|

Classification of a paragliders behaviour in the roll stability & damping test

- | | | |
|--------------|----------|---|
| Oscillations | Reducing | A |
|--------------|----------|---|

Classification of a paragliders behaviour in the gentle spirals test

- | | | |
|---------------------------------------|------------------|---|
| Tendency to return to straight flight | spontaneous exit | A |
|---------------------------------------|------------------|---|

Classification of a paragliders behaviour in the steep banked turn test

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|-------------------------|-------------|---|
| Sink rate after 2 turns | up to 14m/s | B |
|-------------------------|-------------|---|

Classification of a paragliders behaviour in the symmetric front collapse test

- | | | |
|------------------------------|-------------------------------------|---|
| 1 Entry | Rocking back less than 45° | A |
| 2 Recovery | Spontaneous in less than 3 seconds | A |
| 3 Dive forward angle on exit | Dive forward 0° -30° keeping course | A |
| 4 Cascade occurs | No | A |

Classification of a paragliders behaviour in the symmetric front collapse test accelerated

- | | | |
|------------------------------|---------------------------------------|---|
| 1 Entry | Rocking back less than 45° | A |
| 2 Recovery | Spontaneous in 3-5 seconds | B |
| 3 Dive forward angle on exit | Dive forward 30° - 60° keeping course | B |
| 4 Cascade occurs | No | A |

Classification of a paragliders behaviour in the exiting deep stall (parachutal stall) test

1 Deep stall achieved	Yes	A
2 Recovery	Spontaneous in less than 3 seconds	A
3 Dive forward angle on exit	Dive forward 0° - 30°	A
4 Change of course	Changing course less than 45°	A
5 Cascade occurs	No	A

Classification of a paragliders behaviour in the high angle of attack recovery test

1 Recovery	Spontaneous in less than 3 seconds	A
2 Cascade occurs	No	A

Classification of a paragliders behaviour in the full stall test

1 Dive forward angle on exit	Dive forward 30° - 60°	B
2 Collapse	No	A
3 Cascade occurs (other than collapses)	No	A
4 Rocking back	Less than 45°	A
5 Line tension	Most lines tight	A

Classification of a paragliders behaviour in the asymmetric collapse test to 50%

1 Change of course until re-inflation	Less than 90°, dive or roll 0° - 45°	A
2 Re-inflation behaviour	spontaneous re-inflation	A
3 Total change of course	Less than 360°	A
4 Collapse on the opposite side occurs	No	A
5 Twist occurs	No	A
6 Cascade occurs	No	A

Classification of a paragliders behaviour in the asymmetric collapse test to 50% full speed

1 Change of course until re-inflation	Less than 90°, dive or roll 05° - 45°	A
2 Re-inflation behaviour	spontaneous re-inflation	A
3 Total change of course	Less than 360°	A
4 Collapse on the opposite side occurs	No	A
5 Twist occurs	No	A
6 Cascade occurs	No	A

Classification of a paragliders behaviour in the asymmetric collapse test to 75%

1 Change of course until re-inflation	90° - 180°, dive or roll 45° - 60°	B
2 Re-inflation behaviour	spontaneous re-inflation	A
3 Total change of course	Less than 360°	A
4 Collapse on the opposite side occurs		

5 Twist occurs	Yes without turn	C
6 Cascade occurs	No	A
	No	A

Classification of a paragliders behaviour in the asymmetric collapse test to 75% full speed

1 Change of course until re-inflation	90° - 180°, dive or roll 15° - 45°	B
2 Re-inflation behaviour	spontaneous re-inflation	A
3 Total change of course	Less than 360°	A
4 Collapse on the opposite side occurs	No	A
5 Twist occurs	No	A
6 Cascade occurs	No	A

Measurements and possible ranges in the directional; control with a maintained asymmetric collapse test

1 Able to keep course	Yes	A
2 180degree turn away from the collapsed side possible in 10 seconds	Yes	A
3 Amount of control range between turn and stall or spin	More than 50% of the symmetric control travel	A

Measurements and possible ranges in the trim speed spin tendency test

Spin occurs	No	A
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Measurements and possible ranges in the low speed spin tendency test

Spin occurs	No	A
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Classification of a paragliders behaviour in the recovery from a developed spin test

1 Spin rotation angle after release	Stops spinning in less than 90°	A
2 Cascade occurs	No	A

Classification of a paragliders behaviour in the B-line stall test

1 Change of course before release	spontaneous re-inflation	A
2 Behaviour before release	Remains stable with straight span	A
3 Recovery	Spontaneous in less than 3 seconds	A
4 Dive forward angle on exit	Dive forward 0° -30°	A
5 Cascade occurs	No	A

Classification of a paragliders behaviour in the Big Ears test

1 Entry procedure	Dedicated controls	A
2 Behaviour during big ears	Stable flight	A
3 Recovery	Spontaneous in less than 3 seconds	A
4 Dive forward angle on exit	Dive forward 0° -30°	A

Classification of a paragliders behaviour in the big ears in accelerated flight test

1 Entry procedure	Dedicated controls	A
2 Behaviour during big ears		

3 Recovery	Stable flight	A
4 Dive forward angle on exit	Spontaneous in less than 3 seconds	A
5 Behaviour immediately after releasing the accelerator while maintaining big ears	Dive forward 0-30°	A
	Stable flight	A

Classification of a paragliders behaviour in the behaviour exiting a steep spiral test

1 Tendency to return to straight flight	spontaneous exit	A
2 Turn angle to recover normal flight	720° - 1080° , spontaneous exit	C

Classification of a paragliders behaviour in the alternative means of directional control test

1 180degree turn achievable in 20seconds	Yes	A
2 Stall or spin occurs	No	A

Classification of a paragliders behaviour when testing any other flight procedure

Procedure worked as described
 Procedure suitable for novice pilots
 cascade occurs