

TEST REPORT		AVENNE Patrick	Date	11-déc-06	
MANUFACTORY	AEROS	MODEL	fuego	SIZE	29
Procédure	Min Weight	Weight in flight	95 kg		
HARNAIS	SUP AIR	TYPE	abs	VENTRAL	42 cm
Accelerator range 11 cm					

Measurements and possible ranges

- 1 Rising behaviour
Smooth, easy and constant rising **A**
- 2 Special take off technique
No **A**

Measurements and possible ranges in the landing test

- Special landing technique required
No **A**

Measurements and possible ranges in the speeds in straight flight test

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

Classification of a paraglider's behaviour in the control movement test

- Max weight up to 80 kg
- Max weight 80 to 100 kg
increasing greater than 60 cm **A**
- Max weight greater than 100 kg

Classification of a paraglider's behaviour in the pitch stability exiting accelerated flight test

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

Classification of a paraglider's behaviour in the pitch stability operating controls during accelerated flight test

- Collapse occurs
No **A**

Classification of a paraglider's behaviour in the roll stability and damping test

- Oscillations
Reducing **A**

Classification of a paraglider's behaviour in the stability in gentle spirals test

- Tendency to return to straight flight
Spontaneous exit **A**

Classification of a paraglider's behaviour in the behaviour in a steeply banked turn test

- Sink rate after two turns
12 to 14 m/s **A**

Classification of a paraglider's behaviour in the symmetric front collapse test

- Entry
Rocking back less than 45° **A**
- Recovery
Spontaneous in less than 3 s **A**
- Dive forward angle on exit
Dive forward 0° to 30° Keeping course **A**
- Cascade occurs
No **A**

Classification of a paraglider's behaviour in the symmetric front collapse test accelerated

Entry	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30° Entering a turn of less than 90°	A
Cascade occurs	No	A

Classification of a paraglider's behaviour in the exiting deep stall (parachutal stall) test

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

Classification of a paraglider's behaviour in the high angle of attack recovery test

1 Recovery	Spontaneous in less than	A
2 Cascade	No	A

Classification of a paraglider's behaviour in the full stall test

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

Classification of a paraglider's behaviour in the asymmetric collapse test to 50%

Change of course until re-inflation	90° to 180° Dive or roll angle 15° to 45°	B
Re-inflation behaviour	Spontaneous re-inflation	A
Total change of course	Less than 360°	A
Collapse on the opposite side occurs	No	A
Twist occurs	No	A
Cascade occurs	No	A

Classification of a paraglider's behaviour in the asymmetric collapse test to 50% full speed

Change of course until re-inflation	90° to 180° Dive or roll angle 15° to 45°	B
Re-inflation behaviour	Spontaneous re-inflation	A
Total change of course		

	Less than 360°	A
Collapse on the opposite side occurs		
	No	A
Twist occurs		
	No	A
Cascade occurs		
	No	A

Classification of a paraglider's behaviour in the asymmetric collapse test 75%

Change of course until re-inflation		
	90° to 180° Dive or roll angle 15° to 45°	B
Re-inflation behaviour		
	Spontaneous re-inflation	A
Total change of course		
	Less than 360°	A
Collapse on the opposite side occurs		
	No	A
Twist occurs		
	No	A
Cascade occurs		
	No	A

Classification of a paraglider's behaviour in the asymmetric collapse test 75% full speed

Change of course until re-inflation		
	90° to 180° Dive or roll angle 60° to 90°	C
Re-inflation behaviour		
	Spontaneous re-inflation	A
Total change of course		
	Less than 360°	A
Collapse on the opposite side occurs		
	Yes, no turn reversal	C
Twist occurs		
	No	A
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
2 180° turn away from the collapsed side possible in 10 s		
	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

Measurements and possible ranges in the low speed spin tendency test

Spin occurs		
	No	A

Classification of a paraglider's behaviour in the recovery from a developed spin test

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

Classification of a paraglider's behaviour in the B-line stall test

1 Change of course before release		
	Changing course less than 45°	A

2 Behaviour before release	Remains stable with straight span	A
3 Recovery	Spontaneous in less than 3 s	A
4 Dive forward angle on exit	Dive forward 0° to 30°	A
5 Cascade occurs	No	A

Classification of a paraglider's 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 s	A
4 Dive forward angle on exit		

Classification of a paraglider's behaviour in the big ears in accelerated flight test

1 Entry procedure	Dedicated controls	A
2 Behaviour during big ears	Stable flight	A
3 Recovery	Spontaneous in less than 3 s	A
4 Dive forward angle on exit	Dive forward 0° to 30°	A
5 Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A

Classification of a paraglider's 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	Less than 720°, spontaneous recovery	A

Classification of a paraglider's behaviour in the alternative means of directional control test

1 180° turn achievable in 20 s	Yes	A
2 Stall or spin occurs	No	A

Classification of a paraglider's behaviour when testing any other flight procedure and/or

1 Procedure works as described		
2 Procedure suitable for novice pilots		
3 Cascade		

Less than 360°	A
Greater than 360°	C



No	A
Yes, no turn reversal	C
Yes, causing turn reversal	D

Changing course less than 45°	A
Changing course more than 45°	C
Remains stable with straight span	A

Remains stable without straight span	C
Unstable	D
Spontaneous in less than 3 s	A
Spontaneous in 3 s to 5 s	B
Recovery through pilot action in less than a further 3 s	D
Recovery through pilot action between a further 3 s to 5 s	D
Recovery through pilot action in more than a further 5 s	F
Dive forward 0° to 30°	A
Dive forward 30° to 60°	A
Dive forward 60° to 90°	C
Dive forward greater than 90°	F

