



EAPR e.V - Marktstr. 11 - D-87730 Bad Grönenbach - Germany

	Minimum take off we	eight	Maximum take off weight		
Testpilot	Mike Küng		Tschofen Johannes		
Harness	Academy-Equipment	- E	Academy Test Equipment	4	
Pilot's take off weight	90 kg		110 kg		

ssification



Test-criteria		Minimum take off weight	Evaluation	Maximum take off weight	Evaluation
1. Inflation / take-off - 4.1.1					
Rising behavior		Smooth, easy and constant rising	А	Smooth, easy and constant rising	А
Special take off technique required		No	Α	No	Α
2. Landing - 4.1.2					
Special landing technique required		No	Α	No	Α
3. Speeds in straight flight - 4.1.3					
Trim speed more than 30km/h		Yes	Α	Yes	Α
Speed range using the controls larger than 10km/h	ı	Yes	Α	Yes	Α
Minimum speed		Less than 25 km/h	Α	Less than 25 km/h	Α
4. Control movement - 4.1.4					
Max. weight in flight up to 80kg			-		-
Max. weight in flight 80 to 100kg		Increasing 45cm - 60cm	С		-
Max. weight in flight greater than 100kg			-	Increasing 50cm - 65cm	С
5. Pitch stability exiting accelerated flight - 4.1	.5				
Dive forward angle on exit		Dive forward less than 30°	Α	Dive forward less than 30°	Α
Collapse occurs		No	Α	No	Α
6. Pitch stability operating controls during acce	elerated fl	ight - 4.1.6			
Collapse occurs		No	Α	No	Α
7. Roll stability and damping - 4.1.7					
Oscillations		Reducing	Α	Reducing	Α
8. Stability in gentle spirals - 4.1.8					
Tendency to return to straight flight		Spontaneous exit	Α	Spontaneous exit	Α
9. Behaviour in a steeply banked turn - 4.1.9					
Sink rate after two turns		More than 14m/s	В	More than 14m/s	В
10. Symmetric front collapse - 4.1.10					
Entry	-	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	rim speed	Spontaneous in 3 to 5 sec	В	Spontaneous in 3 to 5 sec	В
Dive forward angle on exit	Ë	30° - 60° Entering a turn of less than 90°	В	30° - 60° Entering a turn of 90° to 180°	С
Cascade occurs		No	Α	No	Α
Entry	p	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	accelerated	Spontaneous in 3 to 5 sec	В	Spontaneous in 3 to 5 sec	В
Dive forward angle on exit	acce	30° - 60° Entering a turn of 90° to 180°	С	30° - 60° Entering a turn of 90° to 180°	С
Cascade occurs	· to	No	Α	No	Α

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11. Exiting deep stall (parachutal stall) - 4.1.11									
Deep stall achieved		Yes				Yes			
Recovery		Spontaneous in	less than 3 sec		Α	Spontaneous in	Spontaneous in less than 3 sec		
Dive forward angle on exit		0° - 30°			Α	0° - 30°		Α	
Change of course		Changing course	e less than 45°		A	Changing course less than 45° No			A
Cascade occurs 12. High angle of attack recovery - 4.1.12		No			Α	ווט			Α
						ı			
Recovery		Spontaneous in	less than 3 sec		Α	Spontaneous in	less than 3 sec	_	Α
Cascade occurs		No			Α	No			Α
13. Recovery from a developed full stall - 4.1.13	3	L 000 000				Loop oon			
Dive forward angle on exit Collapse		30° - 60° No collapse			B A	30° - 60° No collapse			B A
Cascade occurs (other than collapse)		No			A	No			A
Rocking backward		Less than 45°			A	Less than 45°			A
Line tension		Most lines tight			Α	Most lines tight			Α
14. Asymmetric collapse (trim speed) - 4.1.14			1			ı			
Change of course until re-inflation	Se	< 90°	Dive or roll angle	0° - 15°	Α	< 90°	Dive or roll angle	0° - 15°	Α
Re-inflation behavior	trim speed, max 50% collapse	Inflates in less th	nan 3 sec from sta	rt of pilot action	С	Inflates in less th	nan 3 sec from sta	rt of pilot action	С
Total change of course	trim speed, x 50% colla	Less than 360°		•	A	Less than 360°		•	A
Collapse on the opposite side occurs	trim x 50	No A No					A		
Twist occurs	E E	No			Α	No			Α
Cascade occurs		No	T		Α	No		I	Α
Change of course until re-inflation	Se	< 90°	Dive or roll angle	15° - 45°	Α	< 90°	Dive or roll angle	15° - 45°	Α
Re-inflation behavior	trim speed, max 75% collapse	Inflates in less th	nan 3 sec from sta	rt of pilot action	С	Inflates in less th	nan 3 sec from sta	rt of pilot action	С
Total change of course	sheeds % colls	Less than 360°		. ,	A	Less than 360°		. ,	A
Collapse on the opposite side occurs	triin × 75	No			A	Yes, no turn rev	ersal		C
Twist occurs	na.	No			Α	No			A
Cascade occurs		No			Α	No			Α
Change of course until re-inflation	m	< 90°	Dive or roll angle	15° - 45°	Α	< 90°	Dive or roll angle	15° - 45°	Α
•	accelerated, max 50% collapse								
Re-inflation behavior	accelerated, x 50% collap	Inflates in less th	nan 3 sec from sta	rt of pilot action	С	Inflates in less th	nan 3 sec from sta	rt of pilot action	С
Total change of course	cele 50%	Less than 360°			A	Less than 360°			A
Collapse on the opposite side occurs Twist occurs	ас	No No			A A	Yes, no turn rev	ersal		C A
Cascade occurs		No			A	No			A
Change of course until re-inflation		< 90°	Dive or roll angle	45° - 60°	С	90° - 180°	Dive or roll angle	60° - 90°	С
-	accelerated, max 75% collapse								
Re-inflation behavior	accelerated x 75% colla		nan 3 sec from sta	rt of pilot action	С		nan 3 sec from sta	rt of pilot action	С
Total change of course	cele 75%	Less than 360°			A	Less than 360°	oroal		A
Collapse on the opposite side occurs Twist occurs	a	No No			A A	Yes, no turn rev	UISAI		C A
Cascade occurs		No			A	No			A
15. Directional control with a maintained asymm	netric col								
Able to keep course straight		Yes			Α	Yes			Α
180° turn away from the collapsed side possible in	10 sec	Yes			Α	Yes		Α	
Amount of control range between turn and stall or s	spin	25% to 50% of the symmetric control travel		С	25% to 50% of the symmetric control travel		С		
16. Trim speed spin tendency - 4.1.16									
Spin occurs		No			Α	No			Α
17. Low speed spin tendency - 4.1.17					Α				
Spin occurs		No			Α	No			Α
18. Recovery from a developed spin - 4.1.18									
Spin rotation angle after release		Stops spinning in	n less than 90°		Α	Stops spinning in	n less than 90°		А
Cascade occurs		No				Stops spinning in less than 90°			
19. B-line-stall - 4.1.19		INO			Α	No			A
Change of course before release		Changing course	e less than 45°		Δ.	Changing course	e less than 45°		А
J					Α				A
Rehaviour before release		Remains stable	with straight span		Α Δ	Remains stable	Remains stable with straight span A Remains stable with straight span		
Behaviour before release					А				Α
Recovery		Spontaneous in				Spontaneous in			
Recovery Dive forward angle on exit		Spontaneous in 0° - 30°			A A A	Spontaneous in 30° - 60°			Α
Recovery Dive forward angle on exit Cascade occurs		Spontaneous in			A A	Spontaneous in			
Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.1.20		Spontaneous in 0° - 30° No	less than 3 sec		A A A	Spontaneous in 30° - 60°	less than 3 sec		A A
Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.1.20 Entry procedure		Spontaneous in 0° - 30° No Special device re	less than 3 sec		A A A	Spontaneous in 30° - 60° No Special device re	less than 3 sec		А
Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.1.20 Entry procedure		Spontaneous in 0° - 30° No Special device re Stable flight	less than 3 sec		A A A	Spontaneous in 30° - 60° No Special device in Stable flight	less than 3 sec		A A
Dive forward angle on exit Cascade occurs 20. Big ears - 4.1.20 Entry procedure Behaviour during big ears		Spontaneous in 0° - 30° No Special device re Stable flight Recovery throug	less than 3 sec	ss than a further	A A A A	Spontaneous in 30° - 60° No Special device in Stable flight Recovery throug	less than 3 sec	ss than a further	A A
Recovery Dive forward angle on exit Cascade occurs		Spontaneous in 0° - 30° No Special device re Stable flight	less than 3 sec	ss than a further	A A A A	Spontaneous in 30° - 60° No Special device in Stable flight	less than 3 sec	ss than a further	A A A
Dive forward angle on exit Cascade occurs 20. Big ears - 4.1.20 Entry procedure Behaviour during big ears Recovery		Spontaneous in 0° - 30° No Special device re Stable flight Recovery throug 3 sec	less than 3 sec	ss than a further	A A A B	Spontaneous in 30° - 60° No Special device in Stable flight Recovery throug 3 sec	less than 3 sec	ss than a further	A A A A B
Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.1.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big Ears in accelerated flight - 4.1.21		Spontaneous in 0° - 30° No Special device re Stable flight Recovery throug 3 sec 0° - 30°	less than 3 sec equired th pilot action in le	ss than a further	A A A A B A	Spontaneous in 30° - 60° No Special device in Stable flight Recovery throug 3 sec 0° bis 30°	less than 3 sec equired sh pilot action in les	ss than a further	A A A B A
Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.1.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big Ears in accelerated flight - 4.1.21 Entry procedure		Spontaneous in 0° - 30° No Special device re Stable flight Recovery throug 3 sec 0° - 30° Special device re	less than 3 sec equired th pilot action in le	ss than a further	A A A B A A	Spontaneous in 30° - 60° No Special device n Stable flight Recovery throug 3 sec 0° bis 30° Special device n	less than 3 sec equired sh pilot action in les	ss than a further	A A B A
Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.1.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big Ears in accelerated flight - 4.1.21 Entry procedure Behaviour during big ears		Spontaneous in 0° - 30° No Special device re Stable flight Recovery throug 3 sec 0° - 30° Special device re Stable flight	equired h pilot action in le		A A A A B A A A	Spontaneous in 30° - 60° No Special device n Stable flight Recovery throug 3 sec 0° bis 30° Special device n Stable flight	equired ph pilot action in lese		A A B A A A
Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.1.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big Ears in accelerated flight - 4.1.21 Entry procedure Behaviour during big ears Recovery		Spontaneous in 0° - 30° No Special device re Stable flight Recovery throug 3 sec 0° - 30° Special device re Stable flight Recovery throug 3 sec	less than 3 sec equired th pilot action in le		A A A A B A A B A B B	Spontaneous in 30° - 60° No Special device re Stable flight Recovery throug 3 sec 0° bis 30° Special device re Stable flight Recovery throug 3 sec	less than 3 sec equired sh pilot action in les		A A B A A
Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.1.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big Ears in accelerated flight - 4.1.21 Entry procedure Behaviour during big ears		Spontaneous in 0° - 30° No Special device re Stable flight Recovery throug 3 sec 0° - 30° Special device re Stable flight Recovery throug	equired h pilot action in le		A A A A B A A A	Spontaneous in 30° - 60° No Special device n Stable flight Recovery throug 3 sec 0° bis 30° Special device n Stable flight Recovery through	equired ph pilot action in lese		A A B A A A

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22. Behaviour exiting a steep spiral - 4.1.22				
Tendency to return to straight flight	Spontaneous exit	Α	Spontaneous exit	Α
Turn angle to recover normal flight	Less than 720°, spontaneous recovery	Α	Less than 720°, spontaneous recovery	А
23. Alternative means of directional control - 4.1.23	•			
180° turn achievable in 20 sec	Yes	А	Yes	Α
Stall or spin occurs	No	Α	No	Α
24. Any other flight procedure and/or configuration d	escribed in the user's manual - 4.1.24			
Procedure works as descibed		NA		NA
Procedure suitable for novice pilots		NA		NA
Cascade occurs		NA		NA
25. Remarks of testpilot:				
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