## FTR - Flight Test Report Dieser Prüfbericht darf ohne schriftliche Zustimmung der EAPR nicht, auch nicht au

| Manufacturer | SKYWALK                                               | Type testing No. | EAPR-GS-0004/13  |
|--------------|-------------------------------------------------------|------------------|------------------|
|              | Skywalk GmbH & Co.KG Windeckstr. 4 83250 Maquartstein | Seriennummer     | jxii-m-201302-04 |
| Model        | Join't3 M                                             | Location         | Achensee         |
|              |                                                       | Trimmer / Pitch  | offen / open     |



Rev. 2.1 - 10.05.2013

EAPR GmbH - Marktstr. 11 D-87730 Bad Grönenbach - Germany

|                         | Minimum take off w | eight          | Maximum take off weight |     |  |
|-------------------------|--------------------|----------------|-------------------------|-----|--|
| Date of testing         | 11.06.13           |                | 19.06.13                |     |  |
| Testpilot               | Mike Küng          |                | Anselm Rauh             |     |  |
| Harness                 | EAPR Tandem TE     | Walibi/EAPR TE |                         |     |  |
| Pilot's take off weight | 130 kg             | <u> </u>       | 223 k                   | g A |  |

Classification В



| 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                               | A 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       | Yes                              | А          | Yes                              | А          |
| Minimum speed                                           | Less than 25 km/h                | Α          | 25 km/h to 30 km/h               | В          |
| 4. Control movement - 4.1.4                             |                                  |            |                                  |            |
| Max. weight in flight up to 80kg                        |                                  | -          |                                  | -          |
| Max. weight in flight 80 to 100kg                       |                                  | -          |                                  | -          |
| Max. weight in flight greater than 100kg                | Increasing >65 cm                | А          | Increasing >65 cm                | А          |
| 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 accelerate | ed flight - 4.1.6                |            |                                  |            |
| Collapse occurs                                         | No                               | Α          | No                               | Α          |
| 7. Roll stability and damping - 4.1.7                   |                                  |            |                                  |            |
| Oscillations                                            | Reducing                         | Α          | Reducing                         | А          |
| 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°       | А          | Rocking back less than 45°       | А          |
| Recovery                                                | Spontaneous in less than 3 sec   | А          | Spontaneous in less than 3 sec   | А          |
| Dive forward angle on exit                              | 30° - 60° Keeping course         | В          | 0° - 30° Keeping course          | Α          |
| Cascade occurs                                          | No                               | Α          | No                               | Α          |
| 11. Exiting deep stall (parachutal stall) - 4.1.11      |                                  |            |                                  |            |
| Deep stall achieved                                     | Yes Yes                          |            | Yes                              |            |
| Recovery                                                | Spontaneous in less than 3 sec   | А          | Spontaneous in less than 3 sec   | А          |
| Dive forward angle on exit                              | 0° - 30°                         | Α          | 30° - 60°                        | В          |
| Change of course                                        | Changing course less than 45°    | Α          | Changing course less than 45°    | Α          |

Flight Test Report -Musterprüfnummer: EAPR-GS-0004/13 Seite 1 von 2

| Recovery                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | А                |                                   | No                | А          |                        | No                      |            |                                   | Cascade occurs              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------------------|-------------------|------------|------------------------|-------------------------|------------|-----------------------------------|-----------------------------|
| No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |                                   |                   |            |                        |                         |            | attack recovery - 4.1.12          |                             |
| No.    | А                | less than 3 sec                   | Spontaneous in    | Α          | n 3 sec                | Spontaneous in less t   |            |                                   | Recovery                    |
| 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A                |                                   |                   |            |                        | <u>'</u>                |            |                                   |                             |
| Dec   Contage on east   10 - 607   10   10   10   10   10   10   10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |                                   | 110               |            |                        | 110                     | 3          | n a developed full stall - 4.1.   |                             |
| March   Marc   | В                |                                   | 30° - 60°         | В          |                        | ***                     |            |                                   | Dive forward angle on exit  |
| County products   County of the symmetric collapse (time appeal) = 0.1.14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | A                |                                   |                   |            |                        | '                       |            | other than collabor               |                             |
| March   Marc   | A                |                                   |                   |            |                        |                         |            |                                   |                             |
| Change of course until re-infactor   Part    | A                |                                   |                   |            |                        |                         |            |                                   | •                           |
| Spontameous re-riflation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |                                   |                   |            |                        |                         |            | ollapse (trim speed) - 4.1.14     | 14. Asymmetric collapse     |
| No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5° A             | Dive or roll angle 15° - 45°      | < 90°             | В          | r roll angle 15° - 45° | 90° - 180° Div          | bse        | until re-inflation                | Change of course until re-  |
| No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | А                | inflation                         |                   |            | 1<br>                  | ·                       | o colla    |                                   |                             |
| No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | A                |                                   |                   |            | No                     |                         | 50%        |                                   | •                           |
| Second course until re-inflation   Page   90" - 180"   New relange   15" - 45"   8   90" - 180"   new relange   15" - 45   4   5   5   5   5   5   5   5   5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A                |                                   |                   |            |                        |                         | max        | pposite side occurs               |                             |
| Spontaneous re-inflation A Spontaneous re-inflation A Spontaneous re-inflation A Spontaneous re-inflation A No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | А                |                                   | No                | A          | I                      | No                      |            |                                   | Cascade occurs              |
| No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5° B             | Dive or roll angle 15° - 45°      | 90° - 180°        | В          | r roll angle 15° - 45° | 90° - 180° Div          | apse       | until re-inflation                | Change of course until re-  |
| No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A                | inflation                         | · ·               |            | l                      | ·                       | % colls    |                                   |                             |
| No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A                |                                   |                   |            |                        |                         | × 75       |                                   |                             |
| 15. Directional control with a maintained asymmetric collapse -4.1.15  Alle to keep course straight  All Yes  Anount of control range between turn and stall or spin  More than 50% of the symmetric control travel  Anount of control range between turn and stall or spin  More than 50% of the symmetric control travel  6. Trim speed spin tendency - 4.1.16  Spin coours  No  No  No  A  No  No  A  No  No  A  No  No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | А                |                                   | No                | Α          |                        | No                      | ma         |                                   | Twist occurs                |
| Able to keep course straight  180° turn away from the collapsed side possible in 10 see  Yes  Anount of control range between turn and stall or spin  Nor than 50% of the symmetric control travel  A Nor than 50% of the symmetric control travel  Trim speed spin tendency - 4.1.18  Spin occurs  No A No  18. Recovery from a developed spin - 4.1.18  Spin rotation angle after release  No Stops spinning in less than 90° A Stops spinning in less than 90° A No  19. Superation angle after release  No No A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less than 90° A No  19. Stops spinning in less tha | А                |                                   | No                | A          |                        |                         |            |                                   |                             |
| 180" turn away from the collapsed side possible in 10 see   Amount of control range between turn and stall or spin   More than 50% of the symmetric control travel   16. Trin speed spin tendency - 4.1.16  17. Low speed spin tendency - 4.1.17  Spin occurs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |                                   | Lyas              |            |                        |                         | netric col |                                   |                             |
| 16. Trim speed spin tendency - 4.1.16 Spin occurs No A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | A                |                                   |                   |            |                        |                         |            |                                   | ·                           |
| 1. Trim speed spin tendency - 4.1.16   No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | А                |                                   | Yes               | A          |                        | Yes                     | 10 sec     | m the collapsed side possible i   | 180° turn away from the co  |
| Spin occurs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | el A             | of the symmetric control travel   | More than 50% of  | Α          | mmetric control travel | More than 50% of the    | spin       |                                   |                             |
| 17. Low speed spin tendency - 4.1.17   Spin occurs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A                |                                   | No                | Α          |                        | No                      |            | oin tendency - 4.1.16             |                             |
| 18. Recovery from a developed spin - 4.1.18  Spin rotation angle after release Stops spinning in less than 90° A Stops spinning in less than 90° A No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |                                   | I No.             |            |                        | No                      |            | in tendency - 4.1.17              |                             |
| Cascade occurs   No   A   No    19. B-line-stall - 4.119  Change of course before release   NA    Recovery   NA    Dive forward angle on exit   NA    Cascade occurs   NA    Dive forward angle on exit   NA    Entry procedure   Special device required   A   Special device required    Behaviour during big ears   Stable flight   A   Stable flight    Entry procedure   Special device required   A   Special device required    Behaviour during big ears   Stable flight   A   Stable flight    Recovery   Spontaneous in 3 to 5 sec   B   Spontaneous in 3 to 5 sec    Dive forward angle on exit   Or -30"   A   O' bis 30"    Entry procedure   Special device required   A   Special device required    Behaviour during big ears   Stable flight   A   Stable flight    Entry procedure   Special device required   A   Special device required    Behaviour during big ears   Stable flight   A   Stable flight    Behaviour during big ears   Stable flight   A   Stable flight    Behaviour during big ears   Stable flight   A   Stable flight    Behaviour during big ears   Stable flight   A   Stable flight    Behaviour during big ears   Stable flight   A   Stable flight    Behaviour during big ears   Stable flight   A   Stable flight    Behaviour during big ears   Stable flight   A   Stable flight    Behaviour return to straight flight   A   Stable fl | А                |                                   | INO               | A          |                        | NO                      |            | n a developed spin - 4.1.18       | •                           |
| Cascade occurs   No   A   No    19. B-line-stall - 4.119  Change of course before release   NA    Recovery   NA    Dive forward angle on exit   NA    Cascade occurs   NA    Dive forward angle on exit   NA    Entry procedure   Special device required   A   Special device required    Behaviour during big ears   Stable flight   A   Stable flight    Entry procedure   Special device required   A   Special device required    Behaviour during big ears   Stable flight   A   Stable flight    Recovery   Spontaneous in 3 to 5 sec   B   Spontaneous in 3 to 5 sec    Dive forward angle on exit   Or -30"   A   O' bis 30"    Entry procedure   Special device required   A   Special device required    Behaviour during big ears   Stable flight   A   Stable flight    Entry procedure   Special device required   A   Special device required    Behaviour during big ears   Stable flight   A   Stable flight    Behaviour during big ears   Stable flight   A   Stable flight    Behaviour during big ears   Stable flight   A   Stable flight    Behaviour during big ears   Stable flight   A   Stable flight    Behaviour during big ears   Stable flight   A   Stable flight    Behaviour during big ears   Stable flight   A   Stable flight    Behaviour during big ears   Stable flight   A   Stable flight    Behaviour return to straight flight   A   Stable fl | А                | n less than 90°                   | Stops spinning in | Α          | nan 90°                | Stops spinning in less  |            |                                   | •                           |
| 19. B-line-stall - 4.1.19 Change of course before release Behaviour before release Behaviour before release Behaviour before release Recovery NA Recovery NA Recovery NA Cascade occurs NA Casca | A                |                                   |                   |            |                        |                         |            |                                   |                             |
| Change of course before release Behaviour before release Recovery NA Recovery Rec |                  |                                   | 1.10              |            |                        | 1                       |            | 4.1.19                            |                             |
| Dive forward angle on exit  Entry procedure  Special device required  Special device required  Behaviour during big ears  Stable flight  Special device required  Special device required  Behaviour during big ears  Stable flight  A Stable flight  Special device required  Behaviour during big ears  Stable flight  Special device required  Behaviour during big ears  Stable flight  Special device required  A Special device required  Behaviour during big ears  Stable flight  A Stable flight  A Stable flight  Special device required  A Special device required  Behaviour during big ears  Stable flight  A Stable flight  A Stable flight  Special device required  Behaviour during big ears  Stable flight  A Stable flight  A Stable flight  A Stable flight  A Stable flight  Special device required  A Special device required  Behaviour during big ears  Stable flight  A Stable flight  Stable flight  A Stable flight  A Stable flight  A Stable flight  A Stable flight  Stable flight  A Stable flight  Stable flight  A Stable fligh | NA               |                                   |                   | NA         |                        |                         |            |                                   |                             |
| Dive forward angle on exit Cascade occurs  NA  20. Big ears - 4.1.20  Entry procedure Special device required Special device required Behaviour during big ears Stable flight A Stable flight A O' bis 30°  21. Big Ears in accelerated flight - 4.1.21  Entry procedure Special device required A Special device required A O' bis 30°  21. Big Ears in accelerated flight - 4.1.21  Entry procedure Special device required A Special device required Behaviour during big ears Stable flight A Stable flight Behaviour medicately after releasing the accelerator while maintaining big ears  Stable flight Spontaneous in 3 to 5 sec A Spontaneous in 3 to 5 sec Behaviour medicately after releasing the accelerator while maintaining big ears  Stable flight A Stab | NA               |                                   |                   | NA         |                        |                         |            | e release                         | Behaviour before release    |
| Cascade occurs  20. Big ears - 4.1.20  Entry procedure Special device required A Special device required Behaviour during big ears Stable flight A O° bis 30°  21. Big Ears in accelerated flight - 4.1.21  Entry procedure Special device required A Special device required A Special device required Behaviour during big ears Stable flight A Stable flight Behaviour during big ears A Stable flight Behaviour immediately after releasing the accelarator while maintaining big ears A Stable flight A S | NA               |                                   | NA                |            |                        |                         |            | Recovery                          |                             |
| 20. Big ears - 4.1.20  Entry procedure Special device required A Special device required  Behaviour during big ears Stable flight A Stable flight  Recovery Spontaneous in 3 to 5 sec B Spontaneous in 3 to 5 sec  Dive forward angle on exit 0° - 30° A 0° bis 30°  21. Big Ears in accelerated flight - 4.1.21  Entry procedure Special device required A Special device required  Behaviour during big ears Stable flight A | NA<br>NA         |                                   |                   |            |                        |                         | e on exit  | , , ,                             |                             |
| Behaviour during big ears  Stable flight  Recovery  Spontaneous in 3 to 5 sec  B Spontaneous in 3 to 5 sec  Dive forward angle on exit  O° - 30°  A O° bis 30°  21. Big Ears in accelerated flight - 4.1.21  Entry procedure  Special device required  A Special device required  Behaviour during big ears  Stable flight  A Stable flight  A Stable flight  Recovery  Spontaneous in 3 to 5 sec  A Spontaneous in 3 to 5 sec  Dive forward angle on exit  Behaviour immediately after releasing the accelarator while maintaining big ears  22. Behaviour exiting a steep spiral - 4.1.22  Tendency to return to straight flight  Spontaneous exit  Less than 720°, spontaneous recovery  A Cass than 720°, spontaneous recovery  23. Alternative means of directional control - 4.1.23  180° turn achievable in 20 sec  Yes  A Yes  Stable flight  NA  Procedure works as descibed  NA  Cascade occurs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 101              |                                   |                   |            |                        |                         |            | .20                               | 20. Big ears - 4.1.20       |
| Behaviour during big ears  Stable flight  Recovery  Spontaneous in 3 to 5 sec  B Spontaneous in 3 to 5 sec  Dive forward angle on exit  O° - 30°  A O° bis 30°  21. Big Ears in accelerated flight - 4.1.21  Entry procedure  Special device required  A Special device required  Behaviour during big ears  Stable flight  A Stable flight  A Stable flight  Recovery  Spontaneous in 3 to 5 sec  A Spontaneous in 3 to 5 sec  Dive forward angle on exit  Behaviour immediately after releasing the accelarator while maintaining big ears  22. Behaviour exiting a steep spiral - 4.1.22  Tendency to return to straight flight  Spontaneous exit  Less than 720°, spontaneous recovery  A Cass than 720°, spontaneous recovery  23. Alternative means of directional control - 4.1.23  180° turn achievable in 20 sec  Yes  A Yes  Stable flight  NA  Procedure works as descibed  NA  Cascade occurs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | А                | equired                           | Special device re | Δ          |                        | Special device require  |            |                                   | Entry procedure             |
| Recovery Spontaneous in 3 to 5 sec  Dive forward angle on exit  O° - 30°  21. Big Ears in accelerated flight - 4.1.21  Entry procedure  Special device required  Special device required  A Special device required  Behaviour during big ears  Stable flight  A Stable flight  Recovery  Spontaneous in 3 to 5 sec  A Spontaneous in 3 to 5 sec  Dive forward angle on exit  Behaviour immediately after releasing the accelerator while maintaining big ears  22. Behaviour exiting a steep spiral - 4.1.22  Tendency to return to straight flight  Spontaneous exit  Less than 720°, spontaneous recovery  A Spontaneous exit  Turn angle to recover normal flight  Less than 720°, spontaneous recovery  A Yes  Stall or spin occurs  No  A No  4. No  A No  Cascade occurs  NA  NA  Cascade occurs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  | , qui o u                         | · ·               |            |                        | .,                      |            | nia eare                          |                             |
| Dive forward angle on exit   O° - 30°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A<br>B           | 2 to 5 coc                        |                   |            | 20                     | -                       |            | ng ears                           |                             |
| 21. Big Ears in accelerated flight - 4.1.21  Entry procedure Special device required A Special device required  Behaviour during big ears Stable flight A Stable flight  Recovery Spontaneous in 3 to 5 sec A Spontaneous in 3 to 5 sec  Dive forward angle on exit O° - 30° A O° bis 30°  Behaviour immediately after releasing the accelarator while maintaining big ears  22. Behaviour exiting a steep spiral - 4.1.22  Tendency to return to straight flight Spontaneous exit A Spontaneous exit  Turn angle to recover normal flight Less than 720°, spontaneous recovery A Less than 720°, spontaneous recovery  23. Alternative means of directional control - 4.1.23  180° turn achievable in 20 sec Yes A Yes  Stall or spin occurs No A No  24. Any other flight procedure and/or configuration described in the user's manual - 4.1.24  Procedure works as descibed NA  Procedure suitable for novice pilots NA  Cascade occurs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  | 3 10 3 560                        |                   |            |                        | •                       |            | 4                                 | <u> </u>                    |
| Behaviour during big ears  Stable flight  Recovery  Spontaneous in 3 to 5 sec  A Spontaneous in 3 to 5 sec  Dive forward angle on exit  Behaviour immediately after releasing the accelarator while maintaining big ears  Stable flight  A Stable flight  A Stable flight  Stable flight  A  | A                |                                   | U- DIS 30°        | А          |                        | U - 3U                  |            |                                   |                             |
| Recovery Spontaneous in 3 to 5 sec A Spontaneous in 3 to 5 sec Dive forward angle on exit Behaviour immediately after releasing the accelarator while maintaining big ears Stable flight A Stable flight  22. Behaviour exiting a steep spiral - 4.1.22 Tendency to return to straight flight Spontaneous exit A Spontaneous exit Turn angle to recover normal flight Less than 720°, spontaneous recovery A Less than 720°, spontaneous recovery  23. Alternative means of directional control - 4.1.23  180° turn achievable in 20 sec Yes A Yes Stall or spin occurs No A No  24. Any other flight procedure and/or configuration described in the user's manual - 4.1.24  Procedure works as descibed NA Procedure suitable for novice pilots NA Cascade occurs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | А                | equired                           | Special device re | Α          |                        | Special device require  |            |                                   | Entry procedure             |
| Dive forward angle on exit  Behaviour immediately after releasing the accelarator while maintaining big ears  22. Behaviour exiting a steep spiral - 4.1.22  Tendency to return to straight flight  Spontaneous exit  Less than 720°, spontaneous recovery  A Spontaneous exit  Less than 720°, spontaneous recovery  A Less than 720°, spontaneous recovery  23. Alternative means of directional control - 4.1.23  180° turn achievable in 20 sec  Yes  A Yes  Stall or spin occurs  No  A No  24. Any other flight procedure and/or configuration described in the user's manual - 4.1.24  Procedure works as descibed  Procedure suitable for novice pilots  Cascade occurs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | А                | Stable flight                     |                   | Α          |                        | Stable flight           |            | pig ears                          | Behaviour during big ears   |
| Dive forward angle on exit  Behaviour immediately after releasing the accelarator while maintaining big ears  22. Behaviour exiting a steep spiral - 4.1.22  Tendency to return to straight flight  Spontaneous exit  Less than 720°, spontaneous recovery  A Spontaneous exit  Less than 720°, spontaneous recovery  A Less than 720°, spontaneous recovery  23. Alternative means of directional control - 4.1.23  180° turn achievable in 20 sec  Yes  A Yes  Stall or spin occurs  No  A No  24. Any other flight procedure and/or configuration described in the user's manual - 4.1.24  Procedure works as descibed  Procedure suitable for novice pilots  Cascade occurs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | А                | 3 to 5 sec                        | Spontaneous in    | A          | ec                     | Spontaneous in 3 to 5   |            |                                   | Recovery                    |
| Behaviour immediately after releasing the accelarator while maintaining big ears  22. Behaviour exiting a steep spiral - 4.1.22  Tendency to return to straight flight Spontaneous exit A Spontaneous exit  Turn angle to recover normal flight Less than 720°, spontaneous recovery A Less than 720°, spontaneous recovery  23. Alternative means of directional control - 4.1.23  180° turn achievable in 20 sec Yes A Yes  Stall or spin occurs No A No  24. Any other flight procedure and/or configuration described in the user's manual - 4.1.24  Procedure works as descibed NA  Procedure suitable for novice pilots NA  Cascade occurs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A                |                                   |                   |            |                        | 0° - 30°                |            | e on exit                         | Dive forward angle on exit  |
| 22. Behaviour exiting a steep spiral - 4.1.22  Tendency to return to straight flight Spontaneous exit A Spontaneous exit  Turn angle to recover normal flight Less than 720°, spontaneous recovery A Less than 720°, spontaneous recovery  23. Alternative means of directional control - 4.1.23  180° turn achievable in 20 sec Yes A Yes  Stall or spin occurs No A No  24. Any other flight procedure and/or configuration described in the user's manual - 4.1.24  Procedure works as descibed NA  Procedure suitable for novice pilots NA  Cascade occurs NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | А                |                                   |                   |            |                        | Stable flight           | tor while  | ately after releasing the accelar | Behaviour immediately after |
| Tendency to return to straight flight  Spontaneous exit  A Spontaneous exit  Turn angle to recover normal flight  Less than 720°, spontaneous recovery  A Less than 720°, spontaneous recovery  23. Alternative means of directional control -4.1.23  180° turn achievable in 20 sec  Yes  A Yes  Stall or spin occurs  No  A No  24. Any other flight procedure and/or configuration described in the user's manual -4.1.24  Procedure works as descibed  Procedure suitable for novice pilots  Cascade occurs  A Spontaneous exit  A Spontaneous exit  A Spontaneous exit  A Ves  A Yes  A No  No  A No  A No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                                   |                   |            |                        |                         |            |                                   |                             |
| Turn angle to recover normal flight  Less than 720°, spontaneous recovery  A Less than 720°, spontaneous recovery  23. Alternative means of directional control -4.1.23  180° turn achievable in 20 sec  Yes  A Yes  Stall or spin occurs  No  A No  24. Any other flight procedure and/or configuration described in the user's manual - 4.1.24  Procedure works as descibed  Procedure suitable for novice pilots  Cascade occurs  A Less than 720°, spontaneous recovery  A No  Yes  A No  No  NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | А                | it                                | Spontaneous ex    | А          |                        | Spontaneous exit        |            |                                   |                             |
| 180° turn achievable in 20 sec Yes A Yes  Stall or spin occurs No A No  24. Any other flight procedure and/or configuration described in the user's manual - 4.1.24  Procedure works as descibed NA  Procedure suitable for novice pilots NA  Cascade occurs NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | А                | spontaneous recovery              | Less than 720°,   |            | eous recovery          | Less than 720°, spont   |            | ver normal flight                 | Turn angle to recover norm  |
| Stall or spin occurs No A No  24. Any other flight procedure and/or configuration described in the user's manual - 4.1.24  Procedure works as descibed NA  Procedure suitable for novice pilots NA  Cascade occurs NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |                                   |                   |            |                        |                         | 1.23       | eans of directional control       | 23. Alternative means of    |
| 24. Any other flight procedure and/or configuration described in the user's manual - 4.1.24       Procedure works as descibed     NA       Procedure suitable for novice pilots     NA       Cascade occurs     NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | А                |                                   | Yes               | А          |                        | Yes                     |            | ole in 20 sec                     | 180° turn achievable in 20  |
| Procedure works as descibed NA Procedure suitable for novice pilots NA Cascade occurs NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | А                |                                   | No                | А          |                        |                         |            |                                   | <u> </u>                    |
| Procedure suitable for novice pilots  NA  Cascade occurs  NA  NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |                                   |                   |            | al - 4.1.24            | ribed in the user's man | tion desc  |                                   |                             |
| Cascade occurs NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NA<br>NA         |                                   | -                 |            |                        |                         |            |                                   |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NA<br>NA         |                                   |                   |            |                        |                         |            | o for flowice pilots              |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.              |                                   |                   |            |                        |                         |            | stpilot:                          |                             |
| B-Stall durch Hersteller im Handbuch ausgeschlossen  B-Stall durch Hersteller im Handbuch ausgeschlossen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | schlossen        | rsteller im Handbuch ausgeschlo   | B-Stall durch He  | sen        | im Handbuch ausgeschlo | B-Stall durch Herstell  |            |                                   |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  | -                                 |                   |            | -                      |                         |            |                                   |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                                   | 1                 |            |                        |                         |            |                                   |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                                   | <u> </u>          |            |                        |                         |            |                                   |                             |
| Copyright Ralf Antz 2013 This Flight Test Report was generated automatically and is valid w                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | vithout signatur | utomatically and is valid without | was generated a   | est Report | This Flight T          |                         |            | ntz 2013                          | Copyright Ralf Antz 201     |

Flight Test Report - Musterprüfnummer: EAPR-GS-0004/13 Seite 2 von 2