**BGA SDMP 267 form** (only for use in the BGA airworthiness system)

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| **Aircraft Maintenance Programme (AMP)** | | | | | | | | |
| **Aircraft identification** | | | | | | | | |
| 1 | Registration: | | Type: **Schempp-Hirth**  **Ventus 3TS** | | Serial no: | | | |
| **Basis for the maintenance programme** | | | | | | | | |
| 2 | This is the BGA recommended option for owners to declare their aircraft maintenance program. This template is for all ELA1 Sailplanes, Self Launching/Sustaining sailplanes and TMG, not involved in commercial operations, declaring the “other” Programme complying with M.A.302(i)  Note the BGA SDMP 267 lists all the scheduled inspection requirements in tasks 1 to 89 and is equivalent to EASA Appendix A, AMC M.A.302 (e) , required by  EASA ‘Minimum Inspection Programme’. | | | | | | |  |
| **Design approval holder (DAH) maintenance data** | | | | | | | | |
| 3 | **Equipment manufacturer and type** | | | **Applicable maintenance data reference (at latest revision)** | | | | |
| 3a | Aircraft **(other than balloons)** | **SCHEMPP-HIRTH FLUGZEUGBAU**  **VENTUS 3TS** | | **VENTUS 3TS Maintenance Manual Rev No 0** | | | | |
| 3b | Engine (if applicable) | **SOLO-KLEINMOTOREN**  **SOLO 2350** | | **VENTUS 3TS Maintenance Manual Rev No 0**  **SOLO type 2350 Manual Rev No 4** | | | | |
| 3c | Propeller (if applicable) | **Technoflug Leichtflugzeugbau**  **OE\_FL 5.83/83 a5, v92** | | **VENTUS 3TS Maintenance Manual Rev No 0**  **Technoflug Leichtflugzeugbau Issue 14.06.99** | | | | |
| **Additional maintenance requirements not covered above (applicable to all AMPs, regardless of whether they are based on design approval holder (DAH) data or minimum inspection programmes (MIPs))** | | | | | | | | |
| 4 | **Indicate if any of the following additional maintenance requirements are applicable (when replying ‘YES’, list the specific requirements in Appendix B (add to the BGA SDMP 267 EASA mandatory and BGA CAMO requirements found after task 89) to this AMP** | | | | | Yes | No | |
| Maintenance due to specific equipment and modifications | | | | | **X** |  | |
| Maintenance due to life-limited components | | | | | **X** |  | |
| Maintenance due to mandatory continuing-airworthiness information (airworthiness limitations (ALIs), certification maintenance requirements (CMRs), specific requirements in the TCDS, etc.) | | | | | **X** |  | |
| Maintenance due to repetitive ADs | | | | | **X** |  | |
| Maintenance due to specific operational/airspace directives/requirements (altimeter, compass, transponder, etc.) | | | | |  | **X** | |
| Maintenance due to type of operation or operational approvals | | | | |  | **X** | |
| 5 | **Indicate if there is any maintenance due to specific recommendations in service bulletins, service letters, etc. (when replying ‘YES’, list the specific recommendations and any deviations in Appendix B to this AMP)** | | | | | Yes | No | |
| **Pilot-owner maintenance** | | | | | | | | |
| 6 | **Does the Pilot-owner perform Pilot-owner maintenance (ref. Part-ML, ML.A.803)?**  If yes, enter the name of the pilot-owner(s):  Pilot-owner name:\_ Licence Number:  Signature: Date: | | | | | **X** |  | |
| **Approval/declaration of the maintenance programme by owner** | | | | | | | | |
| 7 | **Declaration by owner**  ***‘I hereby declare that this is the maintenance programme applicable to the aircraft referred to in Field 3, and I am fully responsible for its content and, in particular, for any deviations from the Design Approval Holder’s recommendations.’***  Signature/name/date: Date | | | | | |  | |
| **Certification statement** | | | | | | | | |
| 8 | ***‘I will ensure that the aircraft is maintained in accordance with this maintenance programme and that the maintenance programme will be reviewed and updated as required.’***  Signed by the person/organisation responsible for the continuing airworthiness of the aircraft according to ML.A.201:  Owner **YES**  Name of owner  Address:  Telephone:  Email:  Signature/date: | | | | | | | |
| 9 | Appendices attached to BGA SDMP 267   * Appendix A **YES** BGA SDMP 267 already complies with Appendix A requirement * Appendix B **YES** Add to the BGA SDMP 267 EASA mandatory and BGA CAMO requirements found after task 89 | | | | | | | |
|  | **Record of periodic reviews and revisions of the Aircraft Maintenance Programme (in accordance with M.A.302(g) or M.A.302(h)5, as applicable) (add more rows/lines if required)** | | | | | | | |
| 10 | |  |  | | --- | --- | | **Entire below changes to this SDMP and revision number** | **Date and signature of owner** | |  |  | |  |  | |  |  | |  |  | | | | | | | | |

BGA Self-Declared Minimum Inspection Program

form 267 for sailplanes and powered sailplanes

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| Work pack file ref: |
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| Registration | BGA No. | Type. **Ventus 3TS** | Serial No |

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| Task  Item | Description | Inspection detail | Operation  Insp/check |
| 0 | **All Tasks General** | **The aircraft must be clean. Inspect for security, damage, wear, integrity, drain/vent holes clear, signs of overheating, leaks, chafing, cleanliness and condition as appropriate to the task. Whilst checking GRP Composite structures check for signs of impact or pressure damage that may indicate underlying damage.**  **The manufacturer’s maintenance manual must be used for specific maintenance instructions.** |  |
| 1 | **Fuselage Paint/Gelcoat** | Inspect external surface and fairings, gel coat and paintwork. Check that registrations marks are correctly applied. All turbulator tapes are fitted correctly and in secure. |  |
| 2 | **Fuselage structure** | Check frames, formers, tubular structure, skin and attachments. Inspect for signs if corrosion on tubular framework. Wooden structure inspection ref BGA Inspection 047/02/2006 |  |
| 3 | **Nose Fairing** | Inspect for evidence of impact with ground or objects. Inspect nose tow release unit and aperture. |  |
| 4 | **Rudder** | Check rudder assembly, hinges, attachments, balance weights. |  |
| 5 | **Pot Pitot/Ventilator** | Check alignment of probe, check operation of ventilator and canopy demisting |  |
| 6 | **Centre section fairing** |  | **N/A** |
| 7 | **Wing attachments** | Inspect the wing structural attachments. Check for damage, wear and security. Check for rigging damage. Check condition and security of wing attachment pins and associated bearings. |  |
| 8 | **Canopy, doors, locks, jettison** | Inspect canopy and frame and transparencies for cracks unacceptable distortion and discoloration. Check operation of all locks and catches. |  |
| 9 | **Seat / cockpit floor** | Inspect seat (s). Check that all loose cushions are correctly installed and as appropriate, energy absorbing foam cushions are fitted correctly and secured. Seat trim inspection ref BGA Inspection 019/10/2001 |  |
| 10 | **Cleanness / loose article check** | Check cockpit floor under seat pan and in rear fuselage for debris and foreign items |  |
| 11 | **Front Skid/Nose Wheel & mounts** |  | **N/A** |
| 12 | **Mainwheel, tyre & Brake assembly** | There should be zero play (unless a tolerance is specified in the manual) in the brake torque link/stud. Check for integrity of hydraulic seals and leaks in pipe work. Check life of hydraulic hoses and components if specified by manufacturer.  **CAUTION: BRAKE DUST MAY CONTAIN ASBESTOS.**  Check operation of brake. Check level of brake fluid and replenish if necessary.  **CAUTION: CHECK TYPE OF BRAKE FLUID USED AND OBSERVE SAFETY PRECAUTIONS**  If DOT 3 or DOT 4 automotive brake fluid is used; change at regular intervals as it absorbs water.  Tyres check for wear, sidewall damage, perishing, correct pressure and creep marks have not moved. (58 psi) |  |
| 13 | **Undercarriage suspension** | Check springs, bungees, shock absorbers, and attachments. Check for signs of damage.  If rubber parts fitted check for perished rubber and bulges.  Note: Carry out with weight off the landing gear. |  |
| 14 | **Undercarriage retraction system** | Check retraction mechanism and controls with aircraft on jacks/dolly, check warning system if fitted, gas struts, doors and linkages/springs, over centre/locking device. Perform retraction test. |  |
| 15 | **Tail wheel** | Inspect for evidence of hard/heavy landings. Inspect wheel, tyre and wheel box. Check tyre pressure (36 psi) |  |
| 16 | **Release hooks** | Inspect nose and C of G release hooks and controls as per manufacturer’s instructions.  Check operational life against manufactures instruction (both calendar life and actuations)  Carry out operational test. If more than one release hook or control is fitted check operation of all release hooks from all positions. (O/H life 2,000 launches) |  |
| 17 | **Harnesses** | Inspect all harnesses for condition and wear of all fastenings, webbing and fittings. Check operation of release and adjustments. See BGA AMP manual Leaflet 4-8 for advice. |  |
| 18 | **Flight/Rudder pedal assemblies** | Inspect rudder pedal assemblies and adjusters |  |
| 19 | **Rudder control circuit & stops** | Inspect rudder control cables. Check that control stops are contacting and secure. Pay attention to wear and security of liners and cables in “S” tubes. Check rudder assembly, hinges, attachments and balance weights are secure |  |
| 20 | **Elevator control circuit & stops** | With the tailplane derigged, check tailplane attachments, Inspect elevator control rods/cables. Check that control stops are contacting and secure. Inspect self-connecting control devices, Check surface finish. |  |
| 21 | **Aileron and Flap control circuit & stops** | Inspect aileron control rods Check that control stops are contacting and secure.  Inspect self-connecting control devices. |  |
| 22 | **Flap control circuit and detents** | Inspect flap control circuit. Check that all detents and springs in the flap circuit and handle operate correctly as specified by Manufacture and detents are not too excessively worn. |  |
| 23 | **Trimmer control circuit** | Inspect trimmer control rods. Check locking device. |  |
| 24 | **Air brake control circuit** | Inspect air brake control rods/bellcranks/brackets. Inspect self-connecting control devices. |  |
| 25 | **Wheel brake control circuit** |  | **N/A** |
| 26 | **Instrument panel assemblies** | Inspect instrument panel and all instruments/equipment. Check that instrument readings are consistent with ambient conditions. Check marking of all switches, circuit breakers and fuses are correctly labelled. Registration is displayed on instrument panel.  Check operation of all installed equipment as possible i.a.w. Manufacturer’s instructions  Check all instruments are marked as required by Flight manual. |  |
| 27 | **Pitot/static system** | Inspect pitot probes, static ports all tubing (as accessible) for security, damage, cleanliness, kinking and condition. Drain any water from condensate drains. Perform system leak check. |  |
| 28 | **ASI operational check** | Carry out accuracy of the airspeed indicator (in situ permissible) i.a.w. manufacturer’s instructions (Use manufacturers limits. If Not avail. Max error 2 knots). Ensure colour coding has been appliedl. |  |
| 29 | **Altimeter datum** | Check barometric sub scale. (max. error 2 Mb) |  |
| 30 | **Electrical installation/ fuses/trips** | Check all electrical wiring for condition. Check for signs of overheating and poor connections. Check fuses/trips for condition and correct rating. |  |
| 31 | **Battery** | Check battery mounting for security and operation of clamp. Check for evidence of electrolyte spillage and corrosion. Check that battery has the correct main fuse fitted.  It is recommended to carry out battery capacity test on gliders equipped with radio, used for cross-country, airways or competition flying. Note: In accordance with equipment manufacturer’s recommendations where capacity checks are recommended by the equipment manufacturer. See BGA AMP manual leaflet 4-9. |  |
| 32 | **Oxygen systems** |  | **N/A** |
| 33 | **Radio installations and placards, Transponders.** | Check radio installation, microphones, speakers. Check that call sign placard is installed. Check aircraft registration placard is visible near radio.  Carry out radio ground function test. Record type fitted. All avionics (including transponders) to be maintained as per the manufacturer’s instructions and applicable ADs. |  |
| 34 | **Radio frequency check** |  | **N/A** |
| 35 | **Removable ballast** |  | **N/A** |
| 36 | **Colour coding of controls** | Ensure that controls are colour coded and in good condition, as follows;  Tow release: Yellow  Air Brakes: Blue  Trimmer: Green  Canopy normal operation: White  Canopy jettison: Red  Combined Canopy jettison and normal operation: White and Red  Other controls: clearly marked but not using any of the above colours |  |
| 37 | **Equipment stowed in centre section** |  | **N/A** |
| 38 | **Wing struts/wires** |  | **N/A** |
| 39 | **Drag chute** |  | **N/A** |
| 40 | **Water ballast system** | Check water ballast system, wing and tail tanks as fitted. Check filling points, vents, dump and drains for operation and leakage.  Ensure outside temp gauge is fitted and reads ambient temperature. |  |
| 41 | **Tailplane and elevator** | With tailplane de-rigged check tailplane and attachments, self-connecting control connections, check condition of surface finish.  All turbulator tapes are fitted correctly and secure.  Mylar seal inspection ref BGA Inspection 011/12/2000 |  |
| 42 | **Left wing** | Check mainplane structure externally and internally as far as possible. All vents and drain holes are clear. Check surface finish. |  |
| 43 | **Left wing controls** | Inspect aileron and Flaperon assemblies, hinges, control connections, tapes and seals. Ensure that seals do not impair full range of movement.  Mylar seal inspection ref BGA Inspection 011/12/2000 |  |
| 44 | **Left air brake** | Inspect air brake panel(s) operating rods, closure springs, and friction devices as fitted. |  |
| 45 | **Left Flap** | Check flap system and control. Inspect self-connecting control devices. Tturbulator tapes are fitted correctly and secure. |  |
| 46 | **Right wing** | Check main plane structure externally and internally as far as possible. All vents and drain holes are clear. Check surface finish. Check registration marks are correctly applied. |  |
| 47 | **Right wing controls** | Inspect aileron and Flaperon assemblies, hinges, control connections, springs, tapes and seals. Ensure that seals do not impair full range of movement.  Mylar seal inspection ref BGA Inspection 011/12/2000 |  |
| 48 | **Right air brake** | Inspect air brake panel(s) operating rods, closure springs, and friction devices as fitted. Check locking forces as specified by AMM or AD |  |
| 49 | **Right Flap** | Check flap system and control. Inspect self-connecting control devices. Turbulator tapes are fitted correctly and secure. |  |
| 50 | **Vents/drains** | Check all vents and drains are clear from debris. |  |
| 51 | **Lubrication** | Lubricate and replenish fluids in accordance with manufacturers requirements |  |
| 52 | **Markings** | Check side and under-wing markings are correct. Ident plate for CAA registered aircraft present. Identification plate for National aviation authority registered aircraft is present. Other identification markings in accordance with local (national) rules. BGA Number on fint. |  |
| 53 | **Mandatory checks** | Check for compliance of all mandatory modifications, airworthiness directives and inspections applicable to the Airframe, accessories & equipment. Record compliance in the logbook.  State of design Type certificate and STC holder AD list, BGA Compendium, BGA Technical News Sheet, BGA Mandatory inspections, Manufacturers mandatory check list (if available). |  |
| 54 | **Manufacturers recommendations and life inspections** | Review manufacturers maintenance schedules and instructions for continued airworthiness for the airframe to establish if any additional work, servicing or preservation action is required (enter in  **Any Deviations from TCDS holder’s recommendations must be recorded and signed for by the owner.** |  |
| 55 | **Control deflections & free play** | Check and record range of movements and free play. |  |
| 56 | **Duplicate inspections** | Record each item requiring a duplicate inspection on an additional worksheet and complete prior to releasing aircraft back to service. |  |
| 57 | **Weighing** | Review weighing record to establish accuracy against installed equipment  Check date of last weighing (BGA Maximum deviation period for re-weigh is 8 years or after painting). See Generic Requirement 10 and BGA AMP. However, between 8 year cycles the C of G must be calculated in accordance with Part NCO. For EL1 aircraft the mass and centre of gravity (CG) position should be revised whenever the cumulative changes to the dry operating mass exceed ± 0.5 % of the maximum landing mass or, for aeroplanes, the cumulative change in CG position exceeds 0.5 % of the mean aerodynamic chord. This may be done by weighing the aircraft or by calculation. If the AFM requires to record changes to mass and CG position below these thresholds, or to record changes in any case, and make them known to the pilot-in-command, mass and CG position should be revised accordingly and made known to the pilot-in-command. |  |
| 58 | **Speed/weight/**  **manoeuvre placard** | Check placard is correct, legible and accurately reflects the status of the aircraft |  |
| 59 | **Hours** | Aircraft hours at this inspection |  |
| 60 | **Launches** | Launches at this inspection |  |
| 61 | **Modifications** | Review Log Book and verify that any modifications incorporated since last Airworthiness Certificate or ARC renewal have been approved and correctly embodied and recorded |  |
| 62 | **Log book** | Complete log book entry. Ensure that all flying records are entered and up to date. |  |
| 63 | **Flight manual** | Verify that the Aircraft Flight Manual and/or Operating Handbook is at the latest revision. |  |
| 64 | **Engine pylons & mountings & flexible vibration dampers** | Inspect engine and pylon installation. Check engine compartment and fire sealing. Check pylon for cracks. Ensure all rubber parts (especially engine mounts) are not perished, cracked or deteriorated. |  |
| 65 | **Gas strut** | Check gas strut with AMM. |  |
| 66 | **Pylon/engine stops** | Check limit stops on retractable pylons. Check restraint cables |  |
| 67 | **Electric actuator** | Inspect electric actuator, motor, spindle drive and mountings |  |
| 68 | **Electrical wiring.** | Inspect all electrical wiring. Pay special attention to wiring that is subject to bending during extension and retraction of engine/pylon. Check function of all lights. |  |
| 69 | **Limit switches** | Check operation of all limit switches & strike plates. Ensure not damaged by impact. |  |
| 70 | **Fuel tank** | Check fuel tank mountings, electrical bonding and tank integrity. Check fuel quantity indication system if fitted. Filling nozzle receptacle correctly labelled |  |
| 71 | **Fuel pipes & vents** | Check all fuel pipes especially that are subject to bending during extension and retraction of engine/pylon. Check vents clear. Ensure overboard drains do not drain into engine compartment. Check self-sealing couplings. Ensure all swaged fittings, jubilee clips are secure and there is no perishing. |  |
| 72 | **Fuel cock or SOV** | Check operation of fuel cock or shut off valve & indications |  |
| 73 | **Fuel pumps and filters** | Clean or replace filters as recommended by manufacturer  Check operation of fuel pumps for engine supply or tank replenishment  Check fuel pump controls and indications |  |
| 74 | **Decompression valve** | Inspect decompression valve and operating control |  |
| 75 | **Spark plugs** | Carry out spark plug service. |  |
| 76 | **Harnesses & Magneto** | Inspect low tension and high-tension wiring, connectors, spark plug caps. Check magneto to engine timing. Check impulse coupling operation. |  |
| 77 | **Propeller** | Inspect propeller, hub, prop bolts torque (if require) folding mechanism. Lubricate all as required by TCDS holder. Check overhaul period and TBO of propeller. |  |
| 78 | **Doors** | Check engine compartment doors, operating cables, rods and cams. |  |
| 79 | **Safety springs** |  | **N/A** |
| 80 | **Extension and retraction** | Check extension and retraction operation times are within limits specified by manufacturer. Check light indications and interlocks for correct operation. Check for factory software updates every year. |  |
| 81 | **Exhaust,** | Inspect exhaust system, silencer, shock mounts and links. |  |
| 82 | **Engine installation** | Inspect engine and all accessories. Carry out compression test and record results on worksheet. |  |
| 83 | **Lubrication** |  | **N/A** |  |
| 84 | **Engine instruments and controls** | Inspect all engine instruments and controls. Check control unit, mounts, bonding and connections. |  |
| 85 | **Engine battery** | (if separate to airframe battery) Inspect battery and mountings. If main fuse is fitted check rating and condition. |  |
| 86 | **Placards** | Check all placards in accordance with Flight/Maintenance manual and are legible. |  |
| 87 | **Fuel leaks** | With the engine, fully serviced check the fuel system for leaks |  |
| 88 | **Mandatory checks** | Check for compliance of all mandatory modifications, airworthiness directives and inspections applicable to the engine, propeller, accessories & equipment. Record compliance in the logbook.  TCDS holder AD list, EASA AD list, Equipment ADs (including Technical notes and service bulletins) BGA Compendium, BGA Technical News Sheet, BGA Mandatory inspections, BGA compendium in service issues, Manufacturers mandatory check list (if available) and Factory service bulletins and Technical notes |  |
| 89 | **Manufacturers recommendations** | Review manufacturers maintenance schedules and instructions for continued airworthiness for the engine/propeller to establish if any additional work is required. All recommendations not carried out require an owner declare deviation. |  |

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| **EASA Mandatory items.** Add ALIs (found in section 4 of modern AMM and TCDS), only add EASA and State of Design ADs carried out at this annual (add more rows/lines if required) | | | | | |
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|  | **BGA CAMO requirements** (found in Compendium and BGA inspections) and if desired add advisory Maintenance Manual recommendations (if embodied and not already included in the SDMP 267) add more rows/lines below if required. | | | |  | |
| BGA inspection 056-08 all types | |  | Check security of stick and airbrake grips as required by AAIB recommendation | Annual | |
| BGA inspection 011-12 | |  | Control tape/seals must be in good condition |  | |
| BGA inspection 031-05 | |  | Check security of stick and airbrake grips |  | |
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| Add any Deviations from TCDS holder and equipment manufacture recommendations from mandatory service bulletins, AMM, AFM and TCDS. The BGA requires justification and Acceptable Means of Compliance for Deviations. No deviations are permitted from Airworthiness Directives or mandatory maintenance (ALIs) or BGA CAMO requirements as specified in the maintenance/flight manuals, TDCS, ADs and BGA compendium (add more rows/lines if required) | | | | | ***Owner must sign & date below*** |
| Service Life/TBO Interval | | | Task Description | Engineering justification and alternative means  of compliance (AMC).  Add extra documents to this MIP section as required to support AMC and engineering justification of a deviation. |  |
| Original TC holder recommendations  (hrs/cyc/cal) |  | Changed to |  |
| 4Year |  | Annual review | Tost 4 year recommended replacement/overhaul of release hooks | History has shown that subject to annual maintenance and lubrication (IAW Tost hook maintenance procedures) that service life is unaffected extending the 4 year recommendation. |  |
| 12 Years |  | Annual review | Schroth Harness Webbing | Harness life extended subject to annual inspection using BGA AMP 4-8 guidelines. Within the BGA CAMO adherence to BGA AMP 4-8 guidelines has shown seat harnesses have been safely extended. |  |
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| General Remarks | | | | | | |
| Date of ARC or BGA C of A expiry:  Other remarks: | | | | | | |
| Record identifying marks. | Fin: | | Fuselage: | | | Under wing: |
| **Certificate of Release to Service** | | | | | | |
| **Certifies that the work specified, except as otherwise specified, was carried out in accordance with Part-M and in that respect is considered ready for release to service. BGA Approval No. UK.MF.0007.** | | | | | | |
| (\* Written signature required) | | | | | | |
| Inspector Name: | | Signed \*: | | Date: | BGA Authorisation No: | |