	Allstar PZL Glider Sp. z o. o. ul. Cieszyńska 325 43-300 Bielsko-Biała, Poland	EXPLOITATION BULLETIN No. BE-001/SZD/2011	Appendix No. 2 Page 1 of 5
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Instrument Type	Maintenance Schedule	Maintenance Range	Entitled to perform maintenance	Type of Maintenance confirmation document	Executive Documents
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Air-speed indicators					
Winter 6 FMS 4 6 FMS 5-2 6 FMS 4 Ø80 7 FMS 4 Ø58	Once a year– leak testing	Leak testing of static and total pressure installation on the glider	LPO	CRS	xxx
	Retesting every 5 years	Acc. to guidelines of Winter GmbH & Co. KG	COO C13	EASA Form 1	Installation and maintenance instructions by Winter GmbH & Co. KG
Whichever dedicated for gliders, up to 350 / 400 km/h	Once a year– leak testing	Leak testing of static and total pressure installation on the glider	LPO	CRS	Maintenance manual issued by producer (if the manual exists)
Altimeters					
Winter 4 FGH 10, Ø80 4 FGH 20, Ø58 4 FGH 40, Ø58	Once a year– leak testing	Leak testing of static pressure installation on the glider	LPO	CRS	xxx
	Retesting every 5 years	Acc. to guidelines of Winter GmbH & Co. KG	COO C13	EASA Form 1	Installation and maintenance instructions by Winter GmbH & Co. KG
Whichever dedicated for gliders, up to 10 km, 360 deg. pointer's turn - max 1000 m	Once a year– leak testing	Leak testing of static pressure installation on the glider	LPO	CRS	Maintenance manual issued by producer (if the manual exists)

Legend:

LPO – holder of B.2. Part-66 licence or ICAO equivalent, Approved Maintenance Organization (AMO) or a/c owner, depending on entry into appropriate Maintenance Program

COO C13 – Approved Maintenance Organization, cat. C13

xxx – no requirements

Accelerometers					
Falcon Guage GM510-2	Acc. to producer' s demands or /if they do not exist/ every 1500 hrs flight	Acc. to producer's demands. If they do not exist – visual checking of general condition and proper work in flight conditions.	LPO	CRS	Maintenance manual issued by producer (if the manual exists)
Friebie 35.231	Acc. to producer' s demands or /if they do not exist/ every 1500 hrs flight	Acc. to producer's demands. If they do not exist – visual checking of general condition and proper work in flight conditions.	LPO	CRS	Maintenance manual issued by producer (if the manual exists)
AOA BM 470-RL/L	Acc. to producer' s demands or /if they do not exist/ every 1500 hrs flight	Acc. to producer's demands. If they do not exist – visual checking of general condition and proper work in flight conditions.	LPO	CRS	Maintenance manual issued by producer (if the manual exists)
Whichever dedicated for gliders	Acc. to producer' s demands or /if they do not exist/ every 1500 hrs flight	Acc. to producer's demands. If they do not exist – visual checking of general condition and proper work in flight conditions.	LPO	CRS	Maintenance manual issued by producer (if the manual exists)
NOTE: for SZD-59 „Acro” accelerometer -5/+10 g should be used only					
Stall Warning Systems					
LAMERS - S.T.U. (Allstar PZL Glider) SP-3	Once a year	Checking of general condition, power supply and correctness of work on the glider	LPO	CRS	xxx

Legend:
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 COO C13 – Approved Maintenance Organization, cat. C13
 xxx – no requirements




Compass					
Winter C-2300	Once a year and everytime after assembling some new equipment into instrument panel	Compensation	LPO	CRS	Guidelines of Winter GmbH & Co. KG (see www.winter-instruments.de)
Ludolph FK 16 CA 300 CA 300P C-2 FD	Acc. to producer's demands or /if they do not exist/ once a year and everytime after assembling some new equipment into instrument panel	Acc. to producer's demands. If they do not exist – compensation	LPO	CRS	Maintenance manual issued by producer (if the manual exists)
Hamilton H I 400	Acc. to producer's demands or /if they do not exist/ once a year and everytime after assembling some new equipment into instrument panel	Acc. to producer's demands. If they do not exist – compensation	LPO	CRS	Maintenance manual issued by producer (if the manual exists)
Bohli 46 MKF 1	Acc. to producer's demands or /if they do not exist/ once a year and everytime after assembling some new equipment into instrument panel	Acc. to producer's demands. If they do not exist – compensation	LPO	CRS	Maintenance manual issued by producer (if the manual exists)
Whichever	Acc. to producer's demands or /if they do not exist/ once a year and everytime after assembling some new equipment into instrument panel	Compensation	LPO	CRS	Maintenance manual issued by producer (if the manual exists)

Legend:

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COO C13 – Approved Maintenance Organization, cat. C13

xxx – no requirements

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Total Energy Vertical Speed Indicators and others					
Winter Ø80 5STV5, ±5 m/s Ø57 5STV5, ±5 m/s 5 StVM 10, ± 10 m/s 5 StVM 15, ±15 m/s	Once a year– leak testing	Leak testing of static and total pressure installation on the glider	LPO	CRS	-
	Retesting every 5 years	Acc. to guidelines of Winter GmbH & Co. KG	COO C13	EASA Form 1	Installation and maintenance instructions by Winter GmbH & Co. KG
Cambridge Aero Instruments 300 series	Acc. to producer' s demands or /if they do not exist/ once a year	Acc. to producer's demands. If they do not exist – leak testing of static and total pressure installation on the glider	LPO	CRS	Maintenance manual issued by producer (if the manual exists)
Whichever dedicated for gliders	Acc. to producer' s demands or /if they do not exist/ once a year	Acc. to producer's demands. If they do not exist – leak testing of static and total pressure installation on the glider	LPO	CRS	Maintenance manual issued by producer (if the manual exists)
Compensation of Total Energy Variometers					
Allstar PZL Gliders K-1 tube	xxx	xxx	xxx	EASA Form 1	xxx
Whichever dedicated for gliders	Acc. to producer' s demands or /if they do not exist/ once a year	Acc. to producer's demands. If they do not exist – leak testing of pressure installation on the glider	LPO	CRS	Maintenance manual issued by producer (if the manual exists)
Compensation Bottles					
Winter	Once a year– leak testing, chek of general condition	Leak testing of compensation bottle	LPO	CRS	xxx

Legend:

LPO – holder of B.2. Part-66 licence or ICAO equivalent, Approved Maintenance Organization (AMO) or a/c owner, depending on entry into appropriate Maintenance Program

COO C13 – Approved Maintenance Organization, cat. C13

xxx – no requirements

Turn and Bank Indicators					
Falcon TB02E-2-1	Acc. to producer' s demands or /if they do not exist/ once a year	Acc. to producer' s demands – if they do not exist – checking of general condition, power supply and corrections of work in flight	LPO	CRS	Maintenance manual issued by producer (if the manual exists)
Friebe Electric Turn & Bank Indicator, 80 mm	Acc. to producer' s demands or /if they do not exist/ once a year	Acc. to producer' s demands – if they do not exist – checking of general condition, power supply and corrections of work in flight	LPO	CRS	Maintenance manual issued by producer (if the manual exists)
Gauting WZ-402/31 12V	Acc. to producer' s demands or /if they do not exist/ once a year	Acc. to producer' s demands – if they do not exist – checking of general condition, power supply and corrections of work in flight	LPO	CRS	Maintenance manual issued by producer (if the manual exists)
NOTE: Flights in IMC conditions allowed only with turn & banks indicators certified acc. to European regulations - valid TSO and/or ETSO and current Form 1 EASA (or CRS).					
Side-Slip (Bank) Indicators					
Winter Bank Indicator typ I, II lub III	xxx	xxx	xxx	xxx	xxx
Falcon SI-2Q 2 ¼"	xxx	xxx	xxx	xxx	xxx
Whichever	Acc. to producer' s demands or /if they do not exist/ – no maintenance	Acc. to producer' s demands or /if they do not exist/ – no maintenance	LPO	CRS	Maintenance manual issued by producer (if the manual exists)

- END -

Legend:

LPO – holder of B.2. Part-66 licence or ICAO equivalent, Approved Maintenance Organization (AMO) or a/c owner, depending on entry into appropriate Maintenance Program

COO C13 – Approved Maintenance Organization, cat. C13

xxx – no requirements