

MAINTENANCE AND INSPECTION PROCEDURES

ANNUAL PERIODICAL INSPECTION OR INSPECTION AFTER 100 FLIGHT HOURS			
Aircraft S/N.:	Total flight hours:
Registration mark:	No. of takeoffs:
Type of inspection:		

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Chpt.	Prescribed works	Made by	Checked by
	AIRFRAME		
3	Fuselage		
	Visually check surface condition including fiberglass parts - loosened rivets, deformation, cracks and some other damage.		
	Check condition of fuselage-wing fairings.		
	Check condition and attachment of the tailskid.		
	Check condition and attachment of the canopy.		
	Check condition and functions of vents.		
	Check condition of the canopy locks.		
	Check condition and completeness of emergency equipment.		
	Check condition of rubber sealing of the cockpit.		
	Check condition of canopy struts.		
4	Wing		
	Visually check surface condition - loosened rivets, deformation, cracks and some other damage.		
	Check play in the wing attachments.		
	Check condition and attachment of the wing tips.		
	Check condition of the position lights.		
	Check conductive wing-fuselage connection.		
	Aileron		
	Visually check surface condition - loosened rivets, deformation, cracks and some other damage.		
	Check for free travel.		
	Check hinges.		
	Check for conductive connection and securing control links.		
	Flap		
	Visually check surface condition - loosened rivets, deformation, cracks and some other damage.		
	Check for free travel.		
	Check hinges.		
Check condition of the control rods and servo			
Check conductive connection.			
5	Tail unit		
	HTU		

2.CHAPTER - LIMITATIONS / MAINTENANCE CHECKS

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Chpt.	Prescribed works	Made by	Checked by
5	Check horizontal stabilizer attachment and securing.		
	Visually check surface condition - deformation, cracks and some other damage.		
	Check condition and attachment of the wing tips.		
	Check suspension and free travel of the elevator.		
	Visually check condition and suspension of the trim tab.		
	Visually check condition and securing of the elevator control pull rod and the trim tab control servo.		
	VTU		
	Visually check surface condition -loosened rivets, deformation, cracks and some other damage.		
	Check hang and securing of the rudder lower hinge.		
	Check for free travel of the rudder.		
	Check attachment and securing of rudder cables.		
	Check conductive connection.		
	6	Control	
Manual control			
Check for free travel of control (see 6.4.2).			
Check plays (see 6.4.1).			
Check securing of links and conductive connection.			
Check condition of the stops.			
Foot control			
Check free play of control (see 6.4.2).			
Check plays (see 6.4.1).			
Check securing of links and conductive connection.			
Check condition of the stops on the control cables.			
Check condition and tension of cables (see 6.4.5).			
Flap control			
Check for free travel of the control lever.			
Check securing of links and conductive connection.			
Check function of control servo.			
Control of the elevator trim tab			
Check the control servo.			
Check plays (see 6.4.1).			
Check securing of links and conductive connection.			
Check trim tab neutral position adjustment.			
Check trim tab position indicator.			
7	Equipment		
	Check completeness and validity of documentation. Check general condition and attachment of the instrument panel.		

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Chpt.	Prescribed works	Made by	Checked by
7	Check condition and attachment of instruments.		
	Check function and condition of switches and circuit breakers.		
	Check function and condition of throttle controller, choke, Andair valve, heating and ventilation		
	Check condition of labels.		
	Check cleanness and condition of upholstery.		
	Check condition of seats.		
	Check condition, damage, function and attachment of safety harnesses.		
8	Landing gear		
	Main landing gear		
	Check condition of landing gear legs and attachment points.		
	Check lubrication and securing of movable links.		
	Check condition and attachment of wheel pants.		
	Check condition, wear and inflation of tires.		
	Check condition of the wheel disk for occurrence of cracks.		
	Check securing of bolts.		
	Check wheels for free rotation.		
	Check function of brakes and parking brake.		
	Check condition and attachment of brake hoses.		
	Check condition and wear of brake hoses (minimum admissible thickness of brake pad is 2 mm) and brake disk.		
	Check brake fluid leakage - brake fluid hoses, brake pumps, brake cylinders. Replenish brake fluid as needed (see 8.5.4).		
	Exchange brake fluid - applied for annual inspection only (see 8.5.4).		
	Tail wheel landing gear		
	Check condition and attachment of the tail wheel landing gear to the fuselage.		
	Check condition and inflation of tire.		
	Check condition of wheel disk and for occurrence of cracks.		
	Check self locking nuts of the bolts.		
	Check wheel free rotation.		
Check condition of tail wheel landing gear springs.			
9	Fuel system		
	Drain fuel tanks and gascolator (see 9.5.2)		
	Remove fuel filter inserted in gascolator and clean it.		

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9	Check condition and integrity of fuel pumps and hose sleeves in the engine compartment.		
	Visually check for fuel system tightness.		
	Check tightness and condition of fuel pump for occurrence of cracks on the pump body (see 9.4.2)		
10	Engine and propeller		
	List of performed operations for the engine according to engine maintenance system, which is contained in Maintenance Manual (Line Maintenance) for installed engine.		
	List of performed operations for the propeller is shown in Technical description and operation instructions for installed propeller.		
	Remove and check engine cowlings for evident signs of heat damage or cracks.		
	Inspect and check for tightening and securing the bolts on the engine brackets and the engine bed.		
	Check the engine bed for occurrence of cracks.		
	Check the exhaust system (and its attachment) for occurrence of cracks on the exhaust system and on welds (see 10.4.5)		
11	Electrical system		
	Check attachment and condition of battery.		
	Check level of battery charge.		
	Check condition and integrity of wiring.		
	Check condition and securing of plug/socket outlets.		
12	Pitostatic system		
	Check condition (at every second annual inspection) and pitot tube attachment.		
	Check cleanness of air inlet holes of pitot tube.		
	Check attachment and securing of hoses to the instruments.		
	Check function of the pitot tube.		
13	Heating and ventilation system		
	Check cleanness and passage of air inlet holes.		
	Check line and integrity of the heating and ventilation system hoses.		
	Check condition and attachment of the heat exchanger.		

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Chpt.	Prescribed works	Made by	Checked by
	Navigation/Communication		
	Visually check condition of navigation and communication instruments.		
	Check function of navigation and communication instruments - applied for annual inspection only		
	Check altimeter function - applied for annual inspection only		

Notes:

Date:

Signature:

2.CHAPTER - LIMITATIONS / MAINTENANCE CHECKS

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2.7 Lubrication plan

Unit	Area of lubrication	After first 25 hours	Every 100 hours	Lubricant
Engine	Throttle control cable on the inlet into terminal (in the engine compartment).	X	X	Engine oil
	Choke control cable on the inlet into terminal (in the engine compartment).	X	X	Engine oil
Tail wheel landing gear	Grease-cup at wheel fork vertical axle.	X	X	Lubrication Grease
Main landing gear	Brake pad pins.	X	X	Lubrication Grease
Ailerons	Hinges.	X	X	Lubrication Grease
	Rod end bearings of the control tubes.	X	X	Lubrication Grease
	Two-arm control lever in the outer wing and control lever in the center wing.	X	X	Lubrication Grease
	Torque tube bearings in center console in fuselage.	X	X	Lubrication Grease
Flaps	Hinges.	X	X	Lubrication Grease
	Rod end bearings on actuator.	X	X	Lubrication Grease
HTU	Elevator hinges.	X	X	Lubrication Grease
	Rod end bearing of the elevator control tubes.	X	X	Lubrication Grease
VTU	Rudder hinges.	X	X	Lubrication Grease
	Cable shackles on the rudder control cables.	X	X	Lubrication Grease
Trim tab	Tab hinges.	X	X	Engine oil
Manual control	All movable links in the cockpit.	X	X	Lubrication Grease
Foot control	All movable links in the cockpit.	X	X	Lubrication Grease
	Cable shackles of rudder control.	X	X	Lubrication Grease