

*European Aviation Safety Agency*

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**EASA**  
**SPECIFIC AIRWORTHINESS**  
**SPECIFICATION**  
**for**  
**YAKOVLEV YAK-18T**

This Specific Airworthiness Specification is issued in accordance with Regulation (EC) 216/2008 Article 20(1)(b). This document is generic and it should be read in association with any Airworthiness Approval Note for the approval of Flight Conditions for any aircraft issued with an EASA Permit to Fly prior to 31 October 2008, which is specific to a particular serial number. In the event of conflict, please contact EASA: [general.aviation@easa.europa.eu](mailto:general.aviation@easa.europa.eu).

There is no valid EASA Type Certificate for this aircraft type.  
The organisation responsible for technical issues and support for the aircraft is the

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Separately, the Hungarian Civil Aviation Administration granted the Yak-18T a Hungarian Type Certificate in September 1999, No. 21ЯK18.

## **SECTION 1: Aircraft Design Definitions**

### 1.1

Aircraft built to conform to Russian Civil Aircraft Norms of 13/10/1967.

#### 1.1.1 Certification Basis

The aircraft was certificated to Russian Norms (as above), in addition specific list 'technical requirements' of aircraft, which is agreed by the Deputy Civil Aviation Minister of the USSR and Yakovlev Design Bureau on 15/02/1968.

#### 1.1.2 Technical Characteristics and Operating Limitations

Engine	One Vedeneyev (OKBM) M14P (360 HP) or M14PF (400 HP) . 9 cylinder radial piston engine, which is geared and supercharged.
Fuel	To Russian standard B91/115 GOST 1012-72. Octane rating minimum 91.
Engine Limits	M14P Maximum permitted speed of rotation 2950 rpm (101%). Up to five minutes up to 99% (2890 rpm). Up to one minute at 101% (2950 rpm).  M24PF Maximum revolutions are 103% (3010 rpm) for one minute.
Propeller	The following propellers are approved: <ul style="list-style-type: none"><li>• V-530TA-D35 2-blade propeller manufactured by Speriot of Stupino, Russia.</li><li>• MTV-3-250-27 or -29 3-blade propeller manufactured by MT Propeller of Straubing, Germany.</li><li>• MTV-9-250-27 or -29 3-blade propeller manufactured by MT Propellers of Straubing, Germany.</li></ul> Diameter of V-530 propeller is 240cm, and of MTV-3 and MTV-9 propellers of 250cm.
Airspeed Limits	Refer to AFM (Please note that Flight Manual is one of three documents being: Aircraft Flight Manual; Aircraft Description; Aircraft Operating Instructions, which should be considered in their entirety for providing the appropriate information on the aircraft).  Never Exceed Speed ( $V_{NE}$ ) 300 km/hr
C. of G. Range	At Take-off Weight 1510 kg 13.0 – 22.0% AMC At Take-off Weight 1650 kg 13.0 – 26.0% AMC (Note that figures quoted on Yak 18T Flight Conditions approvals were in error)
Maximum Weight	Maximum Take-off Weight (Aerobatic Training) 1510 kg Maximum Take-off Weight (General Training) 1650 kg
Maximum Landing Weight	1650 kg

Manoeuvre Load Limits	at Take-off Weight 1510 kg +6,48g/-3,24g at Take-off Weight 1650 kg +5g/-2,5g															
Number of Seats	Four (or five with three in the rear seat subject to C. of G. Considerations) (refer to AFM)															
Maximum Baggage	Refer to AFM															
Fuel Capacity	Standard aircraft – 90 litres in each wing, and 3 litre fuselage collector tank Additional fuel can be provided by a rear fuselage tank of 90 or 130 litres. Alternatively, additional fuel may be provided within the wings, either by increasing the individual tank size to 180 litres or by adding an additional 85 litre tank outboard of the existing tank.  In all these cases fuel management is automatic, with either the fuselage tanks, or the outer wing tank draining before the main wing tanks.															
Oil Capacity	20 litres. Some aircraft are equipped with inverted oil system, in which case capacity is 16 litres for cruise flight and 10 litres for aerobatics															
Control Surface Movements	<table><tr><td>Wing flaps</td><td>Up 0°</td><td>down 50° +3° -1° 30'</td></tr><tr><td>Aileron</td><td>Up 22° -1°</td><td>down 15° -1°</td></tr><tr><td>Elevator</td><td>Up 25° -1°</td><td>down 25° -1°</td></tr><tr><td>Elevator trim tab</td><td colspan="2">+/- 20° +3° 45' -3° 15'</td></tr><tr><td>Rudder</td><td>Left 27° -1°</td><td>Right 27° -1°</td></tr></table>	Wing flaps	Up 0°	down 50° +3° -1° 30'	Aileron	Up 22° -1°	down 15° -1°	Elevator	Up 25° -1°	down 25° -1°	Elevator trim tab	+/- 20° +3° 45' -3° 15'		Rudder	Left 27° -1°	Right 27° -1°
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Elevator trim tab	+/- 20° +3° 45' -3° 15'															
Rudder	Left 27° -1°	Right 27° -1°														
Tyre pressures	Main wheels – 3 kgf / cm <sup>2</sup> Nose wheel – 3 kgf / cm <sup>2</sup>															
Stall Warning	The 18T is equipped with a CCKYA-1 stall warning system, with a light annunciator between -1° and +1°, and then a light annunciator together with audible signal from +6° to +11° angles of attack.															
Equipment	The standard Yak-18T is equipped with the following equipment: Baklan 5 VHF ARK-9 ADF The IMK-IAZ gyro magnetic compass system. AGD-1K gyro horizon ZUE-53U turn indicator PP-5 radio altimeter However most aircraft in Western service have a range of Western avionics installed.															
Flight Manual	Yak-18T Flight Manual May 5/93 (English translation of Russian's original). Aircraft on Hungarian Register will have individually allocated Flight Manual document numbers.															

## 1.2 Pertinent Data

Centre of Gravity                      The AFM gives a detailed analysis of Weight and Balance and C of G

Aerobatics and spinning are permitted at Take-off Weight 1510 kg and crew of 2 persons on board only. Inverted flight is prohibited unless this aircraft has been fitted with inverted oil and fuel systems.

Maximum permitted altitude    13,123 feet (4,000 meters), as the aircraft is not equipped with the oxygen supply system.

Placards                                      All placards that are required by the Flight Manual must be installed in the appropriate locations

## 1.3 Lifetime

The Yak-18T has an initial 'Lifetime' of 5,000 flying hours and 20,000 landings, irrespective of calendar time. Yakovlev Design Bureau is currently devising an extension procedure, which will be available before any aircraft are approaching this time. The life can be extended by an approved inspection procedure.

## 1.4 Life-Limited Parts

These lives must be incorporated in the maintenance schedule for the aeroplane.

Description	Part Number	Life Limit hr's/years
Propeller	V530TA-D35 MTV-9-B- C/CL250-27 / 29	500 hours / 6 years 1000 hours / 6 years
Main Air Bottle	LM-375a-11-50	-/5 check
Emg Air Bottle	LM-375a-3-50	-/5 check
Altimeter	ALT-20MBF-3	calibration every 2 years
Speed Indicator	US-450K	calibration every 2 years
G Meter	AM-9S	On condition
Vacuum Pressure Gauge	MV-16K	On condition
Cylindrical Thermometers	TTT-13	On condition
Fuel Pressure Transducers	P-1B	On condition
Oil Pressure Transducers	PM-15B	On condition
Bottles Pressure Gauge	2M-80K	On condition
Flexible pipes as fitted	various	10 yrs from date of installation – no more than 2 yrs after manufacture with no limit on flight hours
Undercarriage lifter, main gear	4114-00	on condition & check every 100 hrs
Undercarriage lifter, front gear	4214-00A	on condition & check every 100 hrs
Undercarriage locks, main	4115-00-1 4115-00-2	on condition & check every 100 hrs
Undercarriage lock, front	4215-00	on condition & check every 100 hrs

**SECTION 2: Airworthiness Directives (Service Bulletins)**

SB marked  are Mandatory.

Bulletin No.	Date of issue	Contents	Applies to a/c S/N	Performer	Performing term
1E	08.01.75	"Varly" battery body repair		Overhaul factory	Major overhaul
01-DM	31.10.75	Replacement of the SBSE-77 fuel meter with the SBES2077E fuel meter	0601-0504	Aircraft manufacturer	Major overhaul
02-DK	29.05.75	Replacement of the engine mount ring for the reinforced one	0601-2007	Aircraft manufacturer	Major overhaul
03-DK	29.05.75	Replacement of the 4211-93 linkage in the 4211-90 damper	0601		
04-R	29.05.75	Replacement of undercarriage shock absorber pistons No.4111-14 and No.4211-18.	0601-0306	Aircraft manufacturer	Major overhaul
05E	09.07.75	Manuals clarification	0101-1008	Maintenance organization	
06-DK	06.06.75	Replacement of landing gear uplock springs No.4115 and No.4215	0601-0906	Aircraft manufacturer	Major overhaul
07-DM	11.06.75	Replacement of the M-14 engine with the M-14P	0601-0204	Maintenance organisation	
08-DK	19.05.76	Fire shut-off valves sealing	0601-0106	Maintenance organization	
09-DK	29.07.76	Replacement of the edge former No.1014-07 on the wall of the rib No.4 in the wing center section	0601-2008	Aircraft manufacturer	Major overhaul
10-DK	13.09.76	Installation of the oil cooler winterisation blank No.6205-30A	0601-2008	Aircraft manufacturer	30.09.77
12-DK	23.03.76	Reinforcement of the front spar wing attachment point	0601-1008	Aircraft manufacturer	Major overhaul
14-E	29.09.76	Manuals clarification	0101-0110	Maintenance organisation	
15-DK	29.04.77	Pitot attachment reinforcement	0601-0814	Aircraft manufacturer	Major overhaul
16-DK	13.07.76	Replacement of throttle lever attachment and friction unit	0601-0407	Aircraft manufacturer	Major overhaul
17-DK	23.11.76	Holes in the carburettor inlet choke	0601-0610	Aircraft manufacturer	
21-DK	29.03.77	Replacement of the trim tab and installation of additional balance weight on the elevator	0601-0812	Aircraft manufacturer	Major overhaul
22-DK	06.04.77	Replacement of the governor stop-screws bracket with the reinforced one	0601-2015	Aircraft manufacturer	Major overhaul
24-DK	06.04.77	Replacement of the collective tank drain valve No.6100-170 for the drain valve No.600500A	0601-1807	Aircraft manufacturer	Major overhaul
25-DK	29.04.77	Stabilizer reinforcement within the brace attachment area	0601-2013	Aircraft manufacturer	Major overhaul
26-DK	05.03.77	Fire wall reinforcement within the area of PK-45 attachment	0401-2012	Aircraft manufacturer	Major overhaul
27-DK	05.03.77	1. Enlargement of the aileron skin cutout 2. Installation of the additional access door in the cockpit floor	0601-2013 0601-2014	Overhaul factory	Major overhaul
28-DK	06.05.77	1. Installation of the plate on the wing center section leading edge 2. Replacement of three SP-1 AC	0101-2014 0101-0313	Aircraft manufacturer	30.12.77

		circuit breakers with SP-2B AC circuit breakers			
29-DK	19.01.77	Landing gear inspection	0601-0807	Aircraft manufacturer	28.02.77
30-DK	26.05.77	Replacement of control surfaces attachment units with removable studs units	0101-2014	Aircraft manufacturer	Major overhaul
31-DK	25.03.77	Replacement of the oil cooler thermo valve with the reducing valve	0101-1010	Overhaul factory	Major overhaul
32-DK	29.04.77	Wing center section reinforcement	0101-2014	Aircraft manufacturer	Major overhaul
33-DK	29.04.77	Replacement of the emergency air bottle supporting cup	0601-2013	Aircraft manufacturer	Major overhaul
34-DK	27.06.77	1. Fuselage modification for the installation of 7512-0 fans 2. Reinforcement of gills lip attachment 3. Reinforcement of gills vanes attachment points	0101-2010 0101-2009 0101-2013	Aircraft manufacturer	Major overhaul
35-DK	26.05.77	1. Improving AM-800K landing gear micro switch reliability 2. Replacement of gills control arm with the reinforced one 3. Improving of brake cable terminations 4. Adjusting air system reducing valve	0101-1009 0101-2015 0601-2010 0601-2014	Aircraft manufacturer	Major overhaul Major overhaul Major overhaul 26.08.77
37-DK	01.06.77	Replacement of the stabilizer attachment fork-bolt No. 3000-02	0601-0614	Aircraft manufacturer	30.09.77
38-DK	01.09.77	Replacement of bushings No.4210-05 in upper part of nose landing gear bracing strut	0601-2014	Aircraft manufacturer	Major overhaul
39-DK	27.02.78	Replacement of 2KNR buttons with PK2S-2 buttons for "Radio" and "Intercom"	0601-1415	Aircraft manufacturer	Major overhaul
40-DK	02.12.77	Installation of the reinforcement plate on the pilot's seat sliding rail	0601-2015	Aircraft manufacturer	Major overhaul
41-DK	09.02.78	Elimination of plays in rudder pedals mechanism	0101-2015	Aircraft manufacturer	Major overhaul
42-DK	01.09.77	Replacement of the wing center section diaphragm post with the reinforced post	0601-0614	Aircraft manufacturer	Major overhaul
43-DK	02.12.77	Reinforcement of the carburettor inlet pipe	0601-1416	Aircraft manufacturer	Major overhaul
45-E	17.07.78	Increasing the life time and calendar life for nose landing gear jack	All	Information bulletin	
46-DK	18.07.79	Fin reinforcement	0601-1018	Aircraft manufacturer	Major overhaul
47-E	23.03.78	Manuals clarification	0115-2015		Information bulletin
48-DK	05.01.78	Replacement of elevator flanges for reinforced ones	0601-1018	Aircraft manufacturer	Major overhaul
49-DK	18.03.79	Replacement of aileron's and elevator's brackets due to the replacement of MP-5 alloy with the AL-19 alloy	0601-1706	Aircraft manufacturer	Major overhaul
50-DK	02.12.78	Installation of additional stabilizer attachment point	0601-1018	Aircraft manufacturer	Major overhaul
51-DK	24.05.78	Lower engine cowling reinforcement	0601-2016	Aircraft manufacturer	Major overhaul
52-DK	09.06.78	Reinforcement of cockpit ventilation pipes, compressor and generator	0101-2014	Aircraft manufacturer	Major overhaul

		cooling ducts			
53-DK	25.04.78	Replacement of undercarriage jacks No.4114-00	0601-0216	Maintenance organisation	25.09.79
54-DK	06.02.78	Oil tank leaks elimination	0601-2014	Maintenance organization	If necessary
55-DK	08.02.78	Replacement of fuel tanks No.6101-001V with reinforced tanks No.6101-00D	0601-1111	Overhaul factory	30.12.79
57-E	10.08.78	Clarification of bulletin No. 32-DK	0601-2014	Information bulletin	
58-DK	02.12.78	Fuel system modification: 1. Replacement of the tee-piece No.6100-06 with the new shape tee-piece 2. Installation of the additional attachment point for the pipe No.6100-00	0601-2017  0601-2011	Overhaul factory	30.12.79
59-DK	09.06.78	Installation of the IL-611-150 regulator in the charging device	0601-0516	Aircraft manufacturer	Major overhaul
60-DK	09.06.78	Installation of plates on the wing center section skin near the landing flap	0601-2016	Aircraft manufacturer	Major overhaul
61-DK	10.08.78	1. Replacement of aluminium pipes with steel pipes No.5800-00-165 and No.167P1.(replacement of steel pipes with Teflon hoses is cancelled). 2. Replacement of aluminium pipes with steel pipes No.5800-00-165	0601-1016  0601-0517	Overhaul factory	Major overhaul
62-DK	30.11.78	Installation of the plate on the relay box	0601-2017	Aircraft manufacturer	Major overhaul
63-DK	10.04.79	Airplane modification for the installation of engine equipped with M9F magneto	0601-1617	Aircraft manufacturer	Major overhaul
64-DK	31.07.78	Introduction of new airplanes numbering	0601-0730	Information bulletin	
65-DK	21.02.79	1. Fuel tank compartment inspection and replacement of bracket 2006-11 2. Undercut of the middle stringer of the removable panel of the tank compartment.	0601-1016  0601-2018	Aircraft manufacturer	In accordance with the plan of Civil Aviation Ministry
66-E	10.08.78	Clarification of serial numbers of airplanes to be modified in accordance with bulletins 35, 43, 48, 51 DK	0601-2018	Information bulletin	
67-R	05.09.78	Changing of the attachment of main landing gear shock absorber obturator	0601-1015	Overhaul factory	Major overhaul
68-E	10.08.78	Extending the validity of the bulletin No.15-DK	1108-0814	Aircraft manufacturer	Major overhaul
69-E	08.06.79	Manuals clarification	0601-0119	Information bulletin	
70-E	21.02.79	1. Extending air bottles life time and calendar life. 2. Interchangeability of fuel meters No.SBES-2077A and No. SBES-207B	0601-0730  0601-0813	Information bulletin	
71-DK	29.06.79	Replacement of exhaust pipes made from Steel 20 with exhaust pipes made from 12H18N10	0601-2019	Aircraft manufacturer	Major overhaul
72-DK	08.06.79	Modification of fuel breathing system in order to make separate breathing	0601-2007	Overhaul factory	Major overhaul
73-DK	22.09.79	Reinforcement of the elevator trim	0601-2021	Aircraft	Major

		tab control system		manufacturer	overhaul
74-DK	08.06.79	1. Installation of the additional pneumatic system non-return valve 2. Separation of emergency air system from the main one	0601-0719	Aircraft manufacturer	08.06.81
75-IK	31.01.79	Structural changes of airplanes	1313-2017	Information bulletin	
76-DK	12.03.79	Replacement of attachment bolts for wing center section fairing	0601-2014	Aircraft manufacturer	Major overhaul
77-DK	18.06.79	Installation of the plate on cockpit doors within the upper hinge area	0601-2020	Aircraft manufacturer	Major overhaul
78-DK	10.02.80	Replacement of the door lock fixing arm with the longer arm No.0134-07	0601-2023	Aircraft manufacturer	Major overhaul
79-DK	26.07.79	Installation of the plate on the shape No.0100-21-1,-2 on the 9th bulkhead	0601-1020	Aircraft manufacturer	Major overhaul
80-R	24.10.79	Addendum to „The Major Overhaul Manual“		Overhaul factory	Information bulletin
81-E	08.06.79	Manuals clarification	0601-2020	Information bulletin	
82-E	24.04.79	Increasing of the life time before the first major overhaul for lower arms of undercarriage bracing struts	0601-0730	Information bulletin	
84-DM	21.10.82	Installation of SARPP-12K flight data registration system	0601-2027	Aircraft manufacturer	Major overhaul
85-DK	05.04.80	Addendum to the bulletin No.40-DK 1.Installation of the reinforcement plate on the rail No.7509-211 2.Reaming seat fixation holes 8x9 in seat rails	0601-2015 0601-1323	Aircraft manufacturer	Major overhaul
86-DK	13.02.80	Emergency door jettison mechanism modification	0601-2025	Aircraft manufacturer	Major overhaul
87-BD	03.06.82	Replacement of the metal oil cooler fairing with the glass fiber fairing	0601-0927	Aircraft manufacturer	Major overhaul
89-R	24.10.79	Replacement of the shock absorber ring No.4111-11 with the ring No.4111-00	0601-1520	Overhaul factory	Major overhaul
81127-R	02.04.82	Addendum to the carburettor repair technology	All	Information bulletin	
90-DK	07.02.80	AK-50 compressor cooling improvement	0601-0910	Aircraft manufacturer	Major overhaul
91-E	07.06.80	Manuals clarification	0114-1020	Information bulletin	
92-DK	22.09.81	Replacement of the landing gear switch attachment bracket with the improved bracket	0601-1023	Aircraft manufacturer	Major overhaul
93-DK	19.12.80	Reinforcement of the landing flap hinge	0601-2015	Aircraft manufacturer	Major overhaul
94-DK	13.06.80	Replacement of the terminal in the trim tab neutral position warning system	0601-2023	Aircraft manufacturer	Major overhaul
95-DK	13.11.80	Installation of the additional instrument panel shock mount	0601-2022	Aircraft manufacturer	Major overhaul
96-DM	24.11.80	Replacement of the "Landysh-5" radio with "Baklan" radio	0601-0523	Aircraft manufacturer	Major overhaul
97-DK	22.08.80	Reinforcement of the wing center section skin along the rib No.4 (if cracks occur)	0601-1013		If cracks occur
98-DK	25.12.80	Reinforcement of the landing flap within the area of pneumatic jack attachment	0601-0424	Aircraft manufacturer	Major overhaul
99-DK	22.09.81	Elevator structure reinforcement	0601-2025	Aircraft manufacturer	Major overhaul
100-R	22.07.80	Major Overhaul documentation clarification	0601-2022	Information bulletin	

101-E	16.04.81	Manuals clarification	0601-1124	Information bulletin	
102-DK	20.04.81	Reinforcement of relay box attachment points	0601-1124	Aircraft manufacturer	Major overhaul
103-DK	20.04.81	Replacement of fuel tank aluminium attachment bands with steel bands	0601-2019	Aircraft manufacturer	Major overhaul
104-E	04.02.81	Clarification of bulletins No.61-DK and No.86-DK		Information bulletin	
105-DK	22.09.81	Replacement of faulty cylinders No. 4114-00A with cylinders No.4114-00B	0601-1026	Aircraft manufacturer	Major overhaul
106-DK	24.09.81	Reinforcement of the rudder structure within the trim tab attachment area	0601-2025	Aircraft manufacturer	Major overhaul
107-DK	10.11.81	Installation of aircraft electric grounding device	0601-2021	Aircraft manufacturer	30.12.82
108-DK	03.06.82	Reinforcement of the carburetor intake	0601-0128	Aircraft manufacturer	If necessary
109-IK	10.06.81	Major structural changes of airplane	0118-2025	Information bulletin	
110-E	12.11.81	Reducing landing gear shock absorbers charging pressure	0601-0730	Maintenance organisation	30.12.82
111-E	21.05.82	Manuals clarification	0601-1325	Information bulletin	
112-DK	22.06.82	Modification of pilots seat control cable termination	0601-1327	Aircraft manufacturer	Major overhaul
113-DK	03.06.82	Replacement of brackets, which attach ribs to the rear spar	0601-2026	Aircraft manufacturer	If necessary
114-DK	30.06.82	1. Replacement of pneumatic panel No.5801-00A with the pneumatic panel No.5801-00B 2. Installation of the main air bottle drain system 3. Transfer of the main air bottle to the left part of luggage compartment	0601-0719 0601-2020 0601-2006	Aircraft manufacturer	Major overhaul
115-DK	14.07.82	Replacement of AZP-1BM with AZP-A2 (if AZP-1BM is found faulty)	0601-2027	Maintenance organisation	If defect found
116-DM	21.01.84	Critical angle of attack warning installation	0601-2027	Aircraft manufacturer	Major overhaul
117-DK	29.12.81	Replacement of outer and middle aileron hinges	0601-1028	Aircraft manufacturer	30.06.83
118-DA	25.11.81	Periodical inspection of the middle aileron hinge bracket	0601-1028	Maintenance organisation	During scheduled maintenance
119-E	28.04.82	Manual clarification (elimination of summer heating)	All	Information bulletin	
120-BR	21.05.82	Major Overhaul Manual text clarification	All	Information bulletin	
121-BD	04.10.82	Preventing of cracks and galling of rollers No.5200-20 located on the bulkhead No.12	0601-1926	Aircraft manufacturer	Major overhaul
122-BR	04.10.82	Major Overhaul Manual clarification (rudder control)		Information bulletin	
123-BD	13.05.83	Preventing the aileron inboard hinge bolt No.2000-19 wear out	0601-2022	Aircraft manufacturer	Major overhaul
124-BR	03.05.83	Major Overhaul Manual clarification (bulletins No.87 and No.117)	All	Information bulletin	
125-BE	14.05.82	Manual clarification (regarding the replacement of AEP-MB with AEP-A2)	All	Information bulletin	
126-BR	14.07.82	Manual clarification (regarding AZP)	All	Information bulletin	
127-BD	04.10.82	Elimination of engine cowling shapes wear out	0601-1020	Aircraft manufacturer	30.06.83
128-BD	18.10.82	Replacement of attachment eyebolts on the aileron outboard bracket	0601-0730	Aircraft manufacturer	Major overhaul

129 BD	28.03.83	Replacement of the pitot attachment tube with the reinforced one	0601-0530	Aircraft manufacturer	Major overhaul
130-BR	09.09.82	Clarification of Operational and Major Overhaul Manuals regarding aileron's attachment brackets	All	Information bulletin	
131-BE	28.07.83	Clarification of Operational and Major Overhaul Manuals regarding the SSKUA-1 flight data recording system	All	Information bulletin	
132-BD	04.03.83	Replacement of exhaust collector and exhaust pipe repair	0601-0730	Aircraft manufacturer	If necessary
133-BD	20.07.83	Expanding of the bulletin No.32-DK application	0112-0730	Aircraft manufacturer	Major overhaul
134-BD	20.07.83	Installation of Teflon washers for the wing fairing attachment bolts	0601-2026	Cancelled by the bulletin No.195-BD	
135-BD	23.11.83	Replacement of the lever No.6500-71 with the reinforced one	0601-0730	Aircraft manufacturer	30.12.84
136-BD	04.11.83	Preventing fin fabric skin ruptures	0601-0730	Cancelled by the bulletin No.200-BD	
138-BE	05.11.83	Manuals clarification (installation and dismounting of landing gear jacks)	0601-0730	Information bulletin	
139-BR	23.02.84	Major Overhaul Manual clarification (throttle control)	All	Information bulletin	
140-BD	10.02.86	Preventing destruction of the relay No.7230 box attachment	0601-0730	Overhaul factory	Major overhaul
141-BD	17.07.84	Reinforcement of the attachment area of elevator control bracket No. 5130-30	0601-0730	Overhaul factory	Major overhaul
142-BU	06.07.84	Hole in the trim tab control linkage No.5410-140SB	0601-0730	Aircraft manufacturer	Major overhaul
143-BE	14.07.84	Operation manual clarification		Information bulletin	
144-BD	20.03.86	1.Replacement of wing attachment fittings for thicker ones 2.Replacement of wing attachment bolts	0601-2011 0601-2010	Aircraft manufacturer	Major overhaul
145-BR	11.12.84	Major Overhaul Manual clarification	All	Information bulletin	
146-BD	01.11.84	Installation of the fuel breathing system cover No.6100-94 instead of the constrictor	0601-1526	Operation within summer season	
147-BU	28.03.85	Installation of the first-aid box	0601-2007	Aircraft manufacturer	Major overhaul
148-BD	23.11.84	Installation of bonding stripes between engine cowling and fuselage	0601-1021	Aircraft manufacturer	Major overhaul
149-BU	26.03.85	Replacement of the oil system valve No.6204-05 with the steel valve made from 12H18A10T	0601-0730	Aircraft manufacturer	Major overhaul
150-BU	16.04.85	Replacement of oil tank with the reinforced oil tank No.6201-100	0601-2023	Aircraft manufacturer	Major overhaul
151-BD	05.09.85	Reinforcement and replacement of stops No.5130-50 and No.5130-90 in airplane control system	0601-0730	Overhaul Factory and Maintenance Organization	
152-R	31.05.85	Clarification of Major Overhaul Manual and parts catalogue	All	Information bulletin	
153-BD	06.02.86	Replacement of control column attachment bolts with bolts No.3027-6-18 Control column replacement	0601-2008 2009-0730	Overhaul factory	After 2000 flight hours
154-BD	20.02.85	Installation of the eyebolt No.5410-1410SB in trim tab control system	0601-0730	Overhaul factory	Major overhaul
155-BU	18.04.85	Installation of spring cylinder on RH landing gear	0601-0521	Aircraft manufacturer	Major overhaul
157-BD	10.04.86	Replacement of brackets 0161-20,	0601-0730	Both Aircraft	Major

		0161-30 with reinforced ones		Manufacturer and Overhaul Factory	overhaul
159-BE	29.05.85	Manuals clarification (nuts tightening with preselect torque)	0601-0730	Cancelled in 1987	
160-BE	18.12.84	Manuals clarification (increasing time between major overhauls)	0601-0730	Information bulletin	
161-BD	29.10.86	Reinforcement of ribs nose parts attachment to the wing center section front spar	0601-0730	Information bulletin	
162-BD	16.05.85	Replacement of the clamp No.6801-110V-7 with the clamp No. 6801-310	0601-0730	Aircraft manufacturer	Major overhaul
163-BD	16.05.85	Replacement of gills bolts No.6303-171 with higher strength bolts	0601-0730	Aircraft manufacturer	Major overhaul
164-BD	16.08.85	Replacement of the engine cowling lock case No.6902-81	0601-0730		If cracks found
165-BD	14.02.86	Replacement of throttle handle for the reinforced throttle handle No.7303-48	0601-1029	Aircraft manufacturer	If defect found
166-BD	13.12.86	Replacement of the R-2 governor pawl No.6500-203 with the improved pawl No.6500-211	0601-0730	Aircraft manufacturer	Major overhaul
167-BD	13.02.86	Replacement of carburettor scoop hinge	0601-0730	Aircraft manufacturer	If necessary
168-BD	09.06.86	Replacement of the bracket 6500-10 with the improved bracket 6500-230	0601-0730	Aircraft manufacturer	Major overhaul
169-BD	02.07.85	Replacement of the center support bolt No.3000-11 with the bolt 3000-13	0601-0730	Aircraft manufacturer	During operation
170-BD	16.05.86	Preventing brake control cable ruptures	0601-0730	Aircraft manufacturer	Major overhaul
171-BD	03.03.86	Installation of bushings under the PU-7 valve control screw	0601-0730	Maintenance organization	03.09.86
172-BD	29.01.86	Installation of bushings under shut-off valve handle attachment screw	0601-0730	Aircraft manufacturer	Major overhaul
173-BD	15.01.86	Replacement of the attachment bracket No.0200-30 on the rear stabilizer attachment point	0601-0730	Aircraft manufacturer	Major overhaul
175-BD	08.04.86	Installation of the edge former around the oil cooler cut-out	0601-0730	Overhaul Factory or Maintenance Organization if cracks found	Major overhaul or during operation, if cracks found
176-BD	11.05.86	Air heater modification	0601-0730	Both Overhaul Factory and Maintenance Organization	Major overhaul
177-BD	24.03.87	Installation of light- and sound-warning system for landing gear retracted position	0601-0730	Aircraft manufacturer	Major overhaul
178-BD	11.12.85	Changing of the US-450 air speed indicator installation	0601-0730	Aircraft manufacturer	During operation
179-BD	14.07.86	Cockpit doors modification	0601-0730	Aircraft manufacturer	Major overhaul
180-BD	15.05.86	Reinforcement of bulkhead No.0, No.8 and profile 0100-20	0601-0730	Aircraft manufacturer	Major overhaul
181-BD	30.10.86	Replacement of rudder flange and bearing in the lower rudder hinge	0601-0730	Aircraft manufacturer	Major overhaul
182-BD	25.06.86	Installation of reinforcement plates on the canopy post No.0160-40	0601-0730	Aircraft manufacturer	Major overhaul
183-BD	27.08.86	Replacement of aileron attachment bolts No.2000-19 with No.2000-19A	0601-0730	Overhaul factory	Major overhaul

185-BD	15.05.86	Manuals clarification (regarding air heater)	All	Information bulletin	
186-BD	25.06.86	Reinforcement of attachment of ribs tail parts to the wing rear spar	0601-0730	Aircraft manufacturer	Major overhaul
187-BE	24.03.87	Manuals clarification (regarding bulletin No.177-BD)	All	Information bulletin	
188-BR	15.06.87	Clarification of Major Overhaul Manual and parts catalogue (regarding bulletin No.177-BD)	All	Information bulletin	
189-BR	30.10.86	Clarification of Major Overhaul Manual	All	Information bulletin	
190-BD	29.10.86	Replacement of the battery access door diaphragm with the reinforced diaphragm No.1020-180-31	0601-0730	Aircraft manufacturer	Major overhaul
191-BD	29.10.86	Replacement of the diaphragm which connects tail parts of ribs within the wing center section	0601-0730	Aircraft manufacturer	Major overhaul
192-BD	29.10.86	Replacement of flaps in the PO-250 access door hinge	0601-0730	Aircraft manufacturer	Major overhaul
193-BD	29.10.86	Replacement of shapes in the PO-250 niche with reinforced shapes	0601-0730	Aircraft manufacturer	Major overhaul
194-BD	29.10.86	Replacement of the wing center section step band No.1020-80-90 with the new one	0601-0730	Aircraft manufacturer	During operation
195-BD	08.07.87	Replacement of teflon washers under the wing fairing attachment bolts	0601-0730	Overhaul Factory or Maintenance Organization	Major overhaul or during operation
196-BD	26.08.86	Replacement of loose rivets attaching lower skin to the wing center section	0601-0730	Overhaul factory	Major overhaul
197-BD	27.08.86	Elimination of cracks on the oil cooler inlet. Arc welding	0601-0730	Overhaul factory	Major overhaul
198-BE	08.05.87	Clarification of weight and balance data	All	Information bulletin	
200-BD	11.03.87	Fin skin reinforcement and repair	0601-0730	Aircraft manufacturer	Major overhaul
201-BD	13.04.87	Replacement of canopy bracket No. 0161-10 with the reinforced one	0601-0730	Overhaul factory	Major overhaul
202-BU	05.01.87	Replacement of balls in landing gear jacks	0601-0730	Overhaul factory	Major overhaul
203-BD	13.04.87	Addendum to the bulletin No.157-BD (regarding canopy brackets replacement)	0601-0730	Information bulletin	
204-BD	08.05.87	Installation of the cover No.9960-120 for the DS-1 sender protection	0601-2027	Aircraft manufacturer	During operation
205-BD	08.05.87	Clarification of the bulletin No.173-BD (bracket replacement after 2000 flight hours)	0601-0730		After 2000 flight hours
206-BR	10.11.87	Clarification of Major Overhaul Manual and parts catalogue	All	Information bulletin	
207-BD	01.09.87	Replacement of control column locking bolts and their wire locking	0601-0730	Aircraft manufacturer	Major overhaul
208-BD	02.09.87	Replacement of shapes attaching ribs to the front wing spar	0601-0730	Aircraft manufacturer	Major overhaul
209-BD	04.04.88	Modification of fuel breathing system			
211-BD	04.04.88	Manuals clarification (regarding bulletin No.209-BD)		Information bulletin	
212-BR	04.04.88	Major Overhaul Manual clarification (regarding bulletin No.209-BD)		Information bulletin	
215-BD	19.02.88	Replacement of the MU-615 sender attachment (SARPP-12K system)	0601-0730	Aircraft manufacturer	Major overhaul

## NOTE

No Service Bulletins (Airworthiness Directives) have been issued subsequent to 1998.

A list of Service Bulletins can be obtained from Yakovlev Design Bureau (address as Page 1) or from either of the following:

Kobo-Coop'96 Kft  
9027 GYŐR  
Vágóhíd utca 7.,  
Hungary  
Mr Béla Kóbori  
Tel: +36 96 348 144  
Email: [b.kobori@mail.kobocoop.hu](mailto:b.kobori@mail.kobocoop.hu)

Richard Goode Aerobatics  
Rhodds Farm,  
Lyonshall  
Herefordshire  
HR5 3LW  
United Kingdom  
Tel: +44 (0) 1544 340 120  
E-mail: [richard.goode@russianaeros.com](mailto:richard.goode@russianaeros.com)

## **SECTION 3: Occurrence Reporting**

This Specific Airworthiness Specification may be used as a basis for the issue of a Restricted Certificate of Airworthiness in accordance with 21A.173 (b)(2) under the following conditions:

- a) The holder of a Restricted Certificate of Airworthiness based on this Specific Airworthiness Specification shall report to the State of Registry all information related to occurrences associated with the operation of the aircraft which affects or could affect the safety of operation<sup>1</sup>.
- b) Such reports shall be despatched within 72 hours of the time when the occurrence was identified unless exceptional circumstances prevent this.
- c) The State of Registry shall forward the information received under (a) to the Agency when it relates to failures, malfunctions, defects or other occurrences which cause or might cause adverse effects on the continuing airworthiness of the aircraft.

## **SECTION 4: Other Limitations**

This aircraft is limited to non-commercial operations.

## **SECTION 5: Change Record**

Issue 1	31 October 2008	
Issue 2	10 January 2012	To record correct AFM issuance date

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<sup>1</sup> AMC 20-8 contains guidance describing the occurrences which are to be reported. This document can be found on the EASA website.