

GEN 1.5 Aircraft instruments, equipment, and flight documents	GEN 1.5 Авионски инструменти, опрема и летачки документи
<p>1.5.1 General</p> <p>1.5.1.1 Commercial air transport aircraft operating in the Skopje FIR must adhere to the general provisions of Annex 6 (Operation of aircraft) Part 1, Chapter 6 Aeroplane Instruments, Equipment and Flight Documents, and Chapter 7 - Aeroplane Communication and Navigation Equipment.</p> <p>Aircraft, other than state aircraft, operating on the ATS routes within Skopje FIR shall be equipped with, as a minimum, RNAV equipment meeting the Required Navigation Performance (RNP) 5 in accordance with the requirements set out in DOC 7030 Regional Supplementary Procedures (EUR RAC Section 14).</p> <p>Acceptable means of compliance are set in the JAA Technical Guidance Leaflet No. 2 rev. 1.</p> <p>1.5.1.2 Only RVSM approved aircraft and non-RVSM approved State aircraft shall be permitted to operate within the EUR RVSM airspace.</p> <p>RVSM approved aircraft are those aircraft for which the Operator has obtained an RVSM approval, either from the State in which the operator is based, or from the State in which the aircraft is registered.</p> <p>Guidance material on the airworthiness, continued airworthiness and the operational practices and procedures for the EUR RVSM airspace is provided in the Joint Aviation Authorities (JAA) Temporary Guidance Leaflet (TGL) Number 6, Revision 1, and the ICAO EUR Regional Supplementary Procedures (Doc. 7030/4-EUR).</p> <p>Except for State aircraft, RVSM approval is required for aircraft to operate in the RVSM airspace within the Skopje FIR in ENR 2.1.</p>	<p>1.5.1 Општо</p> <p>1.5.1.1</p> <p>1.5.1.2</p>
<p>1.5.2 Radio equipment</p> <p>1.5.2.1 IFR Flights</p> <p>For IFR flights the following aircraft radio equipment is required:</p> <ul style="list-style-type: none"> a. VHF communications transmitter/receiver covering frequency band 118-137 MHz. b. The aircraft used for public transport and transport private shall be equipped with two aids from item a), i.e. duplicated transmitter/receiver. 	<p>1.5.2 Радио опрема</p> <p>a.</p> <p>б.</p>

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| c. An aircraft flying within an aerodrome zone only, shall be equipped with VHF communications transmitter/receiver covering the frequency of the relevant ATC unit. | ц. |
| d. One secondary surveillance radar transponder | д. |
| e. One DME interrogator, with the exception that a general aviation aircraft not engaged in any commercial air transport operation and operating below 3.800 M (FL 125) may be exempted from such requirement. | е. |
| f. One ILS localizer and one glide path indicator | ф. |
| g. Marker receiver having visual and audio indication of MKR beacon signals | г. |
| h. One VOR receivers. | х. |
| i. One direction finder receiver (ADF), having a direction indicator and audio indications of the transmitter on the ground. | и. |

1.5.2.2 VFR Flights	1.5.2.1
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1.5.2.2.1 For VFR flight in Class C airspace, the requirements from items 1.5.2.1 a, c, d, i and j or k are applied (i.e. VHF communications transmitter/receiver, SSR transponder and VOR or ADF receiver).	1.5.2.1.1
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1.5.2.2.2 For VFR flights in other than Class C, airspace VHF communications transmitter/receiver equipment (item 1.5.2.1 a, c) is required.	1.5.2.1.2
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1.5.2.3 As required by ICAO SUPPS DOC 7030/4 EUR/RAC Chapter 4.0 on "Air-ground Communications and In-Flight Reporting", the carriage and operation of 8.33 kHz. channel spacing radio equipment is mandatory throughout the ICAO Region (as of 15th March 2007) for aircraft operating above FL 195.

Exemptions from mandatory carriage of 8.33 equipment are described in section ENR 1.8.

Non-equipped aircraft which are flight planned to enter any FIR/UIR in the EUR Region where no exemption has been published, except for UHF equipped State aircraft, (refer to the AIP of the State covering the FIR/UIR concerned) must flight plan to operate below FL 195 throughout to entire EUR Region

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1.5.3 Special Equipment to be carried

1.5.3.1 Emergency radio equipment (ELBA) shall be carried for all operations within the Skopje FIR, capable of operation on frequencies 121.5 MHz and 243 MHz. When possible all aircraft shall monitor these frequencies, and report any signals received to the appropriate ATS unit.

1.5.3.2 On all internal flights and transiting flights with single-engined ACFT, or those multi-engined ACFT not able to maintain the prescribed minimum safe altitude in the event of an engine failure, the following emergency equipment shall be carried.

1.5.4 Signalling equipment

a. ELT carried should operate in accordance with the relevant provisions of ICAO Annex 10, Volume III, and should be registered with the national agency responsible for initiating search and rescue or other nominated agency.

b. In addition to ELT, can be used PLB (not mandatory). If carried, a personal locator beacon (PLB) should have a built-in GNSS receiver with COSPAS-SARSAT type approval number. However, devices with a COSPAS-SARSAT number belonging to series 700 are excluded as this series of numbers identifies the special-use beacons not meeting all the technical requirements and all the tests specified by COSPAS-SARSAT.

c. Any PLB carried should be registered with the national agency responsible for initiating search and rescue or other nominated agency.

The signaling equipment for making distress signals is described in ICAO Annex 2, Rules of the Air

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1.5.4 Опрема за сигнализирање

a. ELT кој се носи (во воздухоплов) работи согласно односните одредби од Анекс 10, Том III на ICAO, и треба да е регистриран кај националната агенција која е одговорна за започнување на потрага и спасување или кај друга наведена агенција

б. Покрај ELT, може да се користи и PLB (не е задолжително). Ако се носи, персонален предавател за откривање на положба (PLB) треба да има вграден GNSS приемник со COSPAS-SARSAT со број на одобрение за тип. Меѓутоа, уредите со COSPAS-SARSAT со број кој и припаѓа на серијата од 700 се исклучени, бидејќи со оваа серија на броеви се утврдуваат радио маркерите за посебна примена, кои не ги исполнуваат сите технички услови и сите испитувања наведени во COSPAS-SARSAT

ц. Секој PLB кој се носи треба да е регистриран кај националната агенција која е одговорна за започнување на потрага и спасување или кај друга овластена агенција

Опремата за сигнализирање која емитура сигнали за опасност е опишана во Анекс 2 на ICAO – Правила на летање.

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1.5.5 Survival equipment

Defined in accordance with ED 2013/022/R

- a. The following additional survival equipment should be carried:
1. 500 ml of water for each four, or fraction of four, persons on board;
 2. one knife;
 3. first-aid equipment; and
 4. one set of air/ground codes.
- b. If any item of equipment contained in the above list is already carried on board the aeroplane in accordance with another requirement, there is no need for this to be duplicated.

1.5.5 Опрема за преживување

Утврдена согласно ED 2013/022/R

- а. Треба да се носи следната дополнителна опрема за преживување:
1. 500 ml за секој четири, или група од четири, лица во воздухоплов;
 2. еден нож;
 3. опрема за прва помош; и
 4. еден комплет кодови воздух/земја
- б. Ако која било ставка за опрема наведена погоре веќе се носи во авион согласно друг услов, нема потреба од истите.