

রেজিস্টার্ড নং ডি এ-১



অতিরিক্ত সংখ্যা
কর্তৃপক্ষ কর্তৃক প্রকাশিত

সোমবার, আগস্ট ১২, ২০২৪

[বেসরকারি ব্যক্তি এবং কর্পোরেশন কর্তৃক অর্থের বিনিময়ে জারীকৃত বিজ্ঞাপন ও নোটিশসমূহ]

Civil Aviation Authority of Bangladesh

Gazette

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No. CAAB 30.31.0000.111.37.006.23—In exercise of the power conferred by Section 47, read with Section 14 of the Civil Aviation Act, 2017 (Act No. 18 of 2017), hereinafter referred as the “Act”, the Chairman of the Civil Aviation Authority of Bangladesh is pleased to issue this Air Navigation Order (ANO) “ANO10 Vol-5 on Aeronautical Radio Frequency Spectrum Utilization”.

2. This ANO shall come into force on the date of its final publication in the Official Gazette.

Air Vice Marshal M Mafidur Rahman

BBP, BSP, BUP, ndu, awfc, psc

Chairman

Civil Aviation Authority of Bangladesh

(২২৭৬৭)

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CHAPTER 1. GENERAL

1.1 Short Title and Commencement

This Air Navigation Order (ANO) may be called the ANO 10 Volume V – “*Aeronautical Radio Frequency Spectrum Utilization*”, issued in accordance with the ICAO Annex 10 Volume V – “*Aeronautical Radio Frequency Spectrum Utilization*” (3rd Edition up to the amendment 89) to the Chicago Convention and referred herein as the “ANO-10 Vol. V” First Edition. This ANO shall be effective immediately upon published in this Official Gazette.

1.2 Applicability

1.2.1 This Air Navigation Order—“*Aeronautical Radio Frequency Spectrum Utilization* (hereafter referred to as the “ANO-10 Vol. V”) shall be applicable to Aeronautical Communication, Navigation, Surveillance (CNS) Service provider and all aircraft operating agencies.

1.2.2 The provisions in this ANO are based on the Standards and Recommended Practices (SARPs) adopted by the International Civil Aviation Organization (ICAO) and incorporated in the Amendment No.89 to Annex 10 Volume V – “*Aeronautical Radio Frequency Spectrum Utilization*”

1.2.3 Where there is a difference between a provision in this ANO and that contained in the relevant ICAO Annexes shall be published in section GEN 1.7 of the Bangladesh AIP and also notified to ICAO.

1.2.4 All persons and entities involved in installation, operation, maintenance, calibration and inspection of CNS facilities for provisioning of air navigation services within airspace of Bangladesh shall comply with all provisions set out in this ANO at all times.

1.3 Definitions

When the following terms are used in this ANO 10 Volume V – “*Aeronautical Radio Frequency Spectrum Utilization*”, they have the following meanings:

Alternative means of communication. A means of communication provided with equal status, and in addition to the primary means.

C2 Link. The data link between the remotely piloted aircraft and the remote pilot station for the purposes of managing the flight.

Double channel simplex. Simplex using two frequency channels, one in each direction.

Note.— This method was sometimes referred to as cross-band.

Duplex. A method in which telecommunication between two stations can take place in both directions simultaneously.

Frequency channel. A continuous portion of the frequency spectrum appropriate for a transmission utilizing a specified class of emission.

Offset frequency simplex. A variation of single channel simplex wherein telecommunication between two stations is effected by using in each direction frequencies that are intentionally slightly different but contained within a portion of the spectrum allotted for the operation.

Operational control communications. Communications required for the exercise of authority over the initiation, continuation, diversion or termination of a flight in the interest of the safety of the aircraft and the regularity and efficiency of a flight.

Note.— Such communications are normally required for the exchange of messages between aircraft and aircraft operating agencies.

Primary means of communication. The means of communication to be adopted normally by aircraft and ground stations as a first choice where alternative means of communication exist.

Remote pilot station (RPS). The component of the remotely piloted aircraft system containing the equipment used to pilot the remotely piloted aircraft.

Remotely piloted aircraft (RPA). An unmanned aircraft which is piloted from a remote pilot station.

Remotely piloted aircraft system (RPAS). A remotely piloted aircraft, its associated remote pilot station(s), the required C2 Link(s) and any other component as specified in the type design.

Simplex. A method in which telecommunication between two stations takes place in one direction at a time.

Note.— In application to the aeronautical mobile service, this method may be subdivided as follows:

- (a) single channel simplex;
- (b) double channel simplex;
- (c) offset frequency simplex.

Single channel simplex. Simplex using the same frequency channel in each direction.

VHF digital link (VDL). A constituent mobile sub-network of the aeronautical telecommunication network (ATN), operating in the aeronautical mobile VHF frequency band. In addition, the VDL may provide non-ATN functions such as, for instance, digitized voice.

CHAPTER 2. DISTRESS FREQUENCIES

Introduction

The ITU Radio Regulations Article 30 provides general conditions for distress and safety communications for all mobile services. The aeronautical mobile service is also permitted under Article 30, Section III, No. 30.9 to conform to special arrangements between governments where these have been agreed. ICAO Annexes constitute such agreements.

The Standards and Recommended Practices relating to radio frequencies for distress communications take into account certain procedures that have been adopted by ICAO and also certain provisions made by the ITU in its Radio Regulations.

ANO 10, Volume II requires that an aircraft in distress when it is airborne should use the frequency in use for normal communications with aeronautical stations at the time. However, it is recognized that, after an aircraft has crashed or ditched, there is a need for designating a particular frequency or frequencies to be used in order that uniformity may be attained on a worldwide basis, and so that a guard may be maintained or set up by as many stations as possible including direction-finding stations, and stations of the maritime mobile service.

The frequency 2 182 kHz also offers possibilities for communication between aircraft and stations of the maritime mobile service. The ITU Radio Regulations specify in Article 30, Section III, No. 30.11 that the frequency 2 182 kHz is the international distress frequency for radiotelephony to be used for emergency communications by ship, aircraft and survival craft stations using frequencies in the authorized bands between 1 605 kHz and 4 000 kHz when requesting assistance from, or communicating with, the maritime service.

With respect to emergency locator transmitters (ELTs) designed to be detected and located by satellite, the Radio Regulations authorize the use of these devices, which are referenced in ITU as satellite emergency position indicating radio beacons (EPIRBs). ITU Radio Regulations Article 31, Section I, No. 31.1 specifies that the band 406 – 406.1 MHz is used exclusively by satellite EPIRBs in the earth-to-space direction.

The frequency 4 125 kHz is also authorized by the ITU to enable communications between stations in the maritime mobile service and aircraft stations in distress. The current ITU Radio Regulations (RR 5.130 and Articles 31 and 32) state that the carrier frequency 4 125 kHz may be used by aircraft stations to communicate with stations of the maritime mobile service for distress

and safety purposes. The aeronautical mobile (R) service frequencies 3 023 kHz and 5 680 kHz may be employed for coordinated search and rescue operations with the maritime mobile service under RR 5.115.

With respect to survival craft stations, the Radio Regulations provide for the use of the frequencies 8 364 kHz, 2 182 kHz, 121.500 MHz and 243 MHz, if the survival craft is capable of operating in the bands 4 000 – 27 500 kHz, 1 605 – 2 850 kHz, 117.975 – 137.000 MHz and 235 – 328.6 MHz respectively (RR Articles 31 and 32).

2.1 Frequencies for emergency locator transmitters (ELTs) for search and rescue

2.1.1 All emergency locator transmitters carried in compliance with Standards of Annex-6 shall operate on both 406 MHz and 121.500 MHz.

Note 1.— ITU Radio Regulations (5.256) provide for the use of 243 MHz in addition to the above frequencies.

Note 2.— Specifications for ELTs are found in ANO 10, Volume III, Part II, Chapter 5.

2.2 Search and rescue frequencies

2.2.1 Where there is a requirement for the use of high frequencies for search and rescue scene of action coordination purposes, the frequencies 3 023 kHz and 5 680 kHz shall be employed.

2.2.2 *Where specific frequencies are required for communication between rescue coordination centres and aircraft engaged in search and rescue operations, they shall be selected regionally from the appropriate aeronautical mobile frequency bands in light of the nature of the provisions made for the establishment of search and rescue aircraft.*

Note.—Where civil commercial aircraft take part in search and rescue operations, they will normally communicate on the appropriate en-route channels with the flight information centre associated with the rescue coordination centre concerned.

CHAPTER 3. UTILIZATION OF FREQUENCIES BELOW 30 MHz

Introduction

High frequency bands allocated to the aeronautical mobile (R) service

The frequency bands between 2.8 MHz and 22 MHz allocated to the aeronautical mobile (R) service are given in Article 5 of the ITU Radio Regulations. The utilization of these bands must be in accordance with the relevant provisions of the Radio Regulations and in particular Appendix 27 to the Radio Regulations. In the utilization of these bands, States' attention is drawn to the possibility of harmful radio interference from non-aeronautical sources of radio frequency energy and the need to take appropriate measures to minimize its effects.

3.1 Method of operations

3.1.1 In the aeronautical mobile service, single channel simplex shall be used in radiotelephone communications utilizing radio frequencies below 30 MHz in the bands allocated exclusively to the aeronautical mobile (R) service.

3.1.2 Assignment of single sideband channels

3.1.2.1 Single sideband channels shall be assigned in accordance with ANO 10, Volume III, Part II, Chapter 2, 2.4.

3.1.2.2 For the operational use of the channels concerned, administrations shall take into account the provisions of 27/19 of Appendix 27 of the ITU Radio Regulations.

3.1.2.3 *The use of aeronautical mobile (R) frequencies below 30 MHz for international operations shall be coordinated as specified in Appendix 27 of the ITU Radio Regulations as follows:*

27/19 The International Civil Aviation Organization (ICAO) co-ordinates radio communications of the aeronautical mobile (R) service with international aeronautical operations and this Organization should be consulted in all appropriate cases in the operational use of the frequencies in the Plan.

3.1.2.4 *Where international operating requirements for HF communications cannot be satisfied by the Frequency Allotment Plan at Part 2 of Appendix 27 to the Radio Regulations, an appropriate frequency may be assigned as specified in Appendix 27 by the application of the following provisions:*

27/20 It is recognized that not all the sharing possibilities have been exhausted in the Allotment Plan contained in this Appendix. Therefore, in order to satisfy particular operational requirements which are not otherwise met by this Allotment Plan, Administrations may assign frequencies from the aeronautical mobile (R) bands in areas other than those to which they are allotted in this Plan. However, the use of the frequencies so assigned must not reduce the protection to the same frequencies in the areas where they are allotted by the Plan below that determined by the application of the procedure defined in Part I, Section II B of this Appendix.

Note.— Part I, Section II B of Appendix 27 relates to Interference Range Contours, and application of the procedure results in a protection ratio of 15 dB.

27/21 When necessary to satisfy the needs of international air operations Administrations may adapt the allotment procedure for the assignment of aeronautical mobile (R) frequencies, which assignments shall then be the subject of prior agreement between Administrations affected.

27/22 The co-ordination described in No. 27/19 shall be effected where appropriate and desirable for the efficient utilization of the frequencies in question, and especially when the procedures of No. 27/21 are unsatisfactory.

3.1.2.5 The use of classes of emission J7B and J9B shall be subject to the following provisions of Appendix 27:

27/12 For radiotelephone emissions, the audio frequencies will be limited to between 300 and 2 700 Hz and the occupied bandwidth of other authorized emissions will not exceed the upper limit of J3E emissions. In specifying these limits, however, no restriction in their extension is implied in so far as emissions other than J3E are concerned, provided that the limits of unwanted emissions are met (see Nos. 27/73 and 27/74).

27/14 On account of the possibility of interference, a given channel should not be used in the same allotment area for radiotelephony and data transmissions.

27/15 The use of channels derived from the frequencies indicated in 27/18 for the various classes of emissions other than J3E and H2B will be subject to special arrangements by the Administrations concerned and affected in order to avoid harmful interference which may result from the simultaneous use of the same channel for several classes of emission.

3.1.3 Assignment of frequencies for aeronautical operational control communications

3.1.3.1 Worldwide frequencies for aeronautical operational control communications are required to enable aircraft operating agencies to meet the obligations prescribed in Annex 6-1. Assignment of these frequencies shall be in accordance with the following provisions of Appendix 27:

27/9 A world-wide allotment area is one in which frequencies are allotted to provide long distance communications between an aeronautical station within that allotment area and aircraft operating anywhere in the world.

Note 1.— The type of communications referred to in 27/9 may be regulated by administrations.

27/217 The world-wide frequency allotments appearing in the tables at No. 27/213 and Nos. 27/218 to 27/231, except for carrier (reference) frequencies 3 023 kHz and 5 680 kHz, are reserved for assignment by administrations to stations operating under authority granted by the administration concerned for the purpose of serving one or more aircraft operating agencies. Such assignments are to provide communications between an appropriate aeronautical station and an aircraft station anywhere in the world for exercising control over regularity of flight and for safety of aircraft. Worldwide frequencies are not to be assigned by administrations for MWARA, RDARA and VOLMET purposes. Where the operational area of an aircraft lies wholly within a RDARA or sub-RDARA boundary, frequencies allotted to those RDARAs and sub-RDARAs shall be used.

Note 1.— Tables 27/213 and 27/218 to 27/231 appearing in Appendix 27 to the ITU Radio Regulations refer to, respectively, the Frequency Allotment Plan, listing frequencies by areas, and the Frequency Allotment Plan, listing frequencies in numerical order.

Note 2.— Guidance material on the assignment of worldwide frequencies is contained in Attachment B of ICAO Annex 10 Vol-V. The title of the Attachment B is Guiding principles for long distance operational control communications.

3.2 NDB frequency management

3.2.1 NDB frequency management shall take into account the following:

- (a) the interference protection required at the edge of the rated coverage;
- (b) the application of the figures shown for typical ADF equipment;
- (c) the geographical spacings and the respective rated coverages;
- (d) the possibility of interference from spurious radiation generated by non-aeronautical sources (e.g. electric power services, power line communication systems, industrial radiation, etc.).

Note 1.— Guidance material to assist in determining the application of the foregoing is given in Attachment A of ICAO Annex 10 Vol-V. The title of the Attachment A is Considerations affecting the deployment of LF/MF frequencies and the avoidance of harmful interference.

Note 2.— Attention is drawn to the fact that some portions of the bands available for aeronautical beacons are shared with other services.

3.2.2 To alleviate frequency congestion problems at locations where two separate ILS facilities serve opposite ends of a single runway, the assignment of a common frequency to both of the outer locators shall be permitted, and the assignment of a common frequency to both of the inner locators shall be permitted, provided that:

- (a) the operational circumstances permit;
- (b) each locator is assigned a different identification signal; and
- (c) arrangements are made whereby locators using the same frequency cannot radiate simultaneously.

Note.— The Standard in ANO 10, Volume I, 3.4.4.4, specifies the equipment arrangements to be made.

CHAPTER 4. UTILIZATION OF FREQUENCIES ABOVE 30 MHz

Note.— Details pertaining to the allocation of spectrum to aeronautical services, including footnoted allocations and restrictions, are contained in both the International Telecommunication Union (ITU) Radio Regulations and the ICAO Handbook on Radio Frequency Spectrum Requirements for Civil Aviation including statement of approved ICAO policies (Doc 9718).

4.1 Utilization in the frequency band 117.975 – 137.000 MHz

The utilization of the frequency band 117.975 – 137.000 MHz on a worldwide basis with due regard to economy and practicability requires a plan that will take into account:

(a) the need for an orderly evolution towards improved operation and the required degree of worldwide standardization;

(b) the desirability of providing for an economic transition from present utilization to optimum utilization of the frequencies available, taking into account the maximum possible utilization of existing equipment;

(c) the need to provide for coordination between international and national utilization so as to ensure mutual protection from interference;

(d) the need for providing a global framework for the coordinated development of Regional Plans;

(e) the need, in certain regions, to have more detailed plans and planning criteria in addition to the provisions in this section;

(f) the desirability of incorporating in any group of frequencies to be used those now in use for international air services;

(g) the need for keeping the total number of frequencies and their grouping in appropriate relation to the airborne equipment known to be widely used by international air services;

(h) a requirement for the provision of a single frequency that may be used for emergency purposes on a worldwide basis and, also, in certain regions, for another frequency that may be used as a common frequency for special purposes; and

(i) the need for providing sufficient flexibility to allow for the differences in application necessitated by regional conditions.

4.1.1 General allotment of frequency band 117.975 – 137.000 MHz

Note. — The plan includes a general Allotment Table that subdivides the complete frequency band 117.975—137.000 MHz, the chief subdivisions being the frequency bands allocated to both national and international services, and the frequency bands allocated to national services. Observance of this general subdivision should keep to a minimum the problem of coordinating national and international application.

Note. — As of 26 November 2026, subject to the conditions stated in 5.2.1, the frequency 136.925 MHz may be used for the provision of remotely piloted aircraft systems (RPAS) C2 Link communication services described in this ANO, Chapter 5.

4.1.1.1 The block allotment of the frequency band 117.975 – 137.000 MHz shall be as shown in Table 4-1.

4.1.2 Frequency separation and limits of assignable frequencies

Note.— In the following text, the channel spacing for 8.33 kHz channel assignments is defined as 25 kHz divided by 3 which is 8.333 ... kHz.

4.1.2.1 In the frequency band 117.975 – 137.000 MHz, the lowest assignable frequency shall be 118.000 MHz and the highest 136.975 MHz.

4.1.2.2 The minimum separation between assignable frequencies in the aeronautical mobile (R) service shall be 8.33 kHz.

Note.— It is recognized that in some regions or areas, 25 kHz channel spacing provides an adequate number of frequencies suitably related to international and national air services and that equipment designed specifically for 25 kHz channel spacing will remain adequate for services operating within such regions or areas. It is further recognized that assignments based on 25 kHz channel spacing as well as 8.33 kHz channel spacing may continue to co-exist within one region or area.

4.1.2.3 Requirements for mandatory carriage of equipment specifically designed for 8.33 kHz channel spacing shall be made on the basis of regional air navigation agreements which specify the airspace of operation and the implementation timescales for the carriage of equipment, including the appropriate lead time.

Note.— No changes will be required to aircraft systems or ground systems operating solely in regions not using 8.33 kHz channel spacing.

4.1.2.4 Requirements for mandatory carriage of equipment specifically designed for VDL Mode 2, VDL Mode 3 and VDL Mode 4 shall be made on the basis of regional air navigation agreements which specify the airspace of operation and the implementation timescales for the carriage of equipment, including the appropriate lead time.

4.1.2.4.1 The agreement indicated in 4.1.2.4 shall provide at least two years' notice of mandatory carriage of airborne systems.

4.1.2.5 In regions where 25 kHz channel spacing (DSB-AM and VHF digital link (VDL)) and 8.33 kHz DSB-AM channel spacing are in operation, the publication of the assigned frequency or channel of operation shall conform to the channel contained in Table 4-1 (*bis*).

Note.— Table 4-1 (bis) provides the frequency channel pairing plan which retains the numerical designator of the 25 kHz DSB-AM environment and allows unique identification of a 25 kHz VDL and 8.33 kHz channel.

Table 4-1. Allotment table

| <i>Sl No.</i> | <i>Block allotment frequencies (MHz)</i> | <i>Worldwide utilization</i> | <i>Remarks</i> |
|---------------|--|---|---|
| (a) | 118.000 – 121.450 inclusive | International and National Aeronautical Mobile Services | Specific international allotments will be determined in the light of regional agreement. National assignments are covered by the provisions in 4.1.4.8 and 4.1.4.9. |
| (b) | 121.500 | Emergency frequency | See 4.1.3.1. In order to provide a guard band for the protection of the aeronautical emergency frequency, the nearest assignable frequencies on either side of 121.500 MHz are 121.450 MHz and 121.550 MHz. |
| (c) | 121.550 – 121.9917 inclusive | International and National Aerodrome Surface Communications | Reserved for ground movement, pre-flight checking, air traffic services clearances, and associated operations. |
| (d) | 122.000 – 123.050 inclusive | National Aeronautical Mobile Services | Reserved for national allotments. National assignments are covered by the provisions of 4.1.4.8 and 4.1.4.9. |
| (e) | 123.100 | Auxiliary frequency SAR | See 4.1.3.4. In order to provide a guard band for the protection of the aeronautical auxiliary frequency, the nearest assignable frequencies on either side of 123.100 MHz are 123.050 MHz and 123.150 MHz |
| (f) | 123.150 – 123.6917 inclusive | National Aeronautical Mobile Services | Reserved for national allotments, with the exception of 123.450 MHz which is also used as an air-to-air communications channel (see g)). National assignments are covered by the provisions of 4.1.4.8 and 4.1.4.9. |

| <i>Sl No.</i> | <i>Block allotment frequencies (MHz)</i> | <i>Worldwide utilization</i> | <i>Remarks</i> |
|---------------|--|---|---|
| (g) | 123.450 | Air-to-air communications | Designated for use as provided for in 4.1.3.2. |
| (h) | 123.700 – 129.6917 inclusive | International and National Aeronautical Mobile Services | Specific international allotments will be determined in light of regional agreement. National assignments are covered by the provisions in 4.1.4.8 and 4.1.4.9. |
| (i) | 129.700 – 130.8917 inclusive | National Aeronautical Mobile Services | Reserved for national allotments but may be used in whole or in part, subject to regional agreement, to meet the requirements mentioned in 4.1.6.1.3. |
| (j) | 130.900 – 136.875 inclusive | International and National Aeronautical Mobile Services | Specific international allotments will be determined in light of regional agreement. National assignments are covered by the provisions in 4.1.4.8 and 4.1.4.9. |
| (k) | 136.900 – 136.975 inclusive | International and National Aeronautical Mobile Services | Reserved for VHF air-ground data link communications. |

Table 4-1 (bis). Channeling/frequency pairing

| <i>Frequency (MHz)</i> | <i>Time slot*</i> | <i>Channel spacing (kHz)</i> | <i>Channel</i> |
|------------------------|-------------------|------------------------------|----------------|
| 118.0000 | | 25 | 118.000 |
| 118.0000 | A | 25 | 118.001 |
| 118.0000 | B | 25 | 118.002 |
| 118.0000 | C | 25 | 118.003 |
| 118.0000 | D | 25 | 118.004 |
| 118.0000 | | 8.33 | 118.005 |
| 118.0083 | | 8.33 | 118.010 |
| 118.0167 | | 8.33 | 118.015 |
| 118.0250 | A | 25 | 118.021 |
| 118.0250 | B | 25 | 118.022 |
| 118.0250 | C | 25 | 118.023 |
| 118.0250 | D | 25 | 118.024 |
| 118.0250 | | 25 | 118.025 |
| 118.0250 | | 8.33 | 118.030 |
| 118.0333 | | 8.33 | 118.035 |
| 118.0417 | | 8.33 | 118.040 |
| 118.0500 | | 25 | 118.050 |
| 118.0500 | A | 25 | 118.051 |
| 118.0500 | B | 25 | 118.052 |
| 118.0500 | C | 25 | 118.053 |
| 118.0500 | D | 25 | 118.054 |
| 118.0500 | | 8.33 | 118.055 |
| 118.0583 | | 8.33 | 118.060 |
| 118.0667 | | 8.33 | 118.065 |
| 118.0750 | A | 25 | 118.071 |
| 118.0750 | B | 25 | 118.072 |

| <i>Frequency (MHz)</i> | <i>Time slot*</i> | <i>Channel spacing (kHz)</i> | <i>Channel</i> |
|---|-------------------|------------------------------|----------------|
| 118.0750 | C | 25 | 118.073 |
| 118.0750 | D | 25 | 118.074 |
| 118.0750 | | 25 | 118.075 |
| 118.0750 | | 8.33 | 118.080 |
| 118.0833 | | 8.33 | 118.085 |
| 118.0917 | | 8.33 | 118.090 |
| 118.1000 | | 25 | 118.100 |
| etc. | | | |
| * Time slot indication is for VDL Mode 3 channels. (Ref. ANO 10, Volume III, Part I, Chapter 6 for characteristics of VDL Mode 3 operation) | | | |

4.1.3 Frequencies used for particular functions

4.1.3.1 *Emergency channel*

4.1.3.1.1 The emergency channel (121.500 MHz) shall be used only for genuine emergency purposes, as broadly outlined in the following:

- (a) to provide a clear channel between aircraft in distress or emergency and a ground station when the normal channels are being utilized for other aircraft;
- (b) to provide a VHF communication channel between aircraft and aerodromes, not normally used by international air services, in case of an emergency condition arising;
- (c) to provide a common VHF communication channel between aircraft, either civil or military, and between such aircraft and surface services, involved in common search and rescue operations, prior to changing when necessary to the appropriate frequency;
- (d) to provide air-ground communication with aircraft when airborne equipment failure prevents the use of the regular channels;
- (e) to provide a channel for the operation of emergency locator transmitters (ELTs), and for communication between survival craft and aircraft engaged in search and rescue operations;
- (f) to provide a common VHF channel for communication between civil aircraft and intercepting aircraft or intercept control units and between civil or intercepting aircraft and air traffic services units in the event of interception of the civil aircraft.

Note 1.— The use of the frequency 121.500 MHz for the purpose outlined in c) is to be avoided if it interferes in any way with the efficient handling of distress traffic.

Note 2.— The ITU Radio Regulations (RR 5.200) permit the use of the aeronautical emergency frequency 121.500 MHz by mobile stations of the maritime mobile service under the conditions laid down in Article 31 of the Radio Regulations for distress and safety purposes with stations of the aeronautical mobile service.

4.1.3.1.2 The frequency 121.500 MHz shall be provided at:

- (a) all area control centres and flight information centres;
- (b) aerodrome control towers and approach control offices serving international aerodromes and international alternate aerodromes; and
- (c) any additional location designated by the appropriate ATS authority,

where the provision of that frequency is considered necessary to ensure immediate reception of distress calls or to serve the purposes specified in 4.1.3.1.1.

Note.— Where two or more of the above facilities are collocated, provision of 121.500 MHz at one would meet the requirement.

4.1.3.1.3 The frequency 121.500 MHz shall be available to intercept control units where considered necessary for the purpose specified in 4.1.3.1.1 f).

4.1.3.1.4 The emergency channel shall be guarded continuously during the hours of service of the units at which it is installed.

4.1.3.1.5 The emergency channel shall be guarded on a single channel simplex operation basis.

4.1.3.1.6 The emergency channel (121.500 MHz) shall be available only with the characteristics as contained in ANO 10, Volume III, Part II, Chapter 2 (25 kHz).

4.1.3.2 Air-to-air communications channel

4.1.3.2.1 An air-to-air VHF communications channel on the frequency of 123.450 MHz shall be designated to enable aircraft engaged in flights over remote and oceanic areas out of range of VHF ground stations to exchange necessary operational information and to facilitate the resolution of operational problems.

Note.— Use of the air-to-air channel can cause interference to and from aircraft using the same frequency for air- ground communications.

4.1.3.2.2 In remote and oceanic areas out of range of VHF ground stations, the air-to-air VHF communications channel on the frequency 123.450 MHz shall be available only with the characteristics as contained in ANO 10, Volume III, Part II, Chapter 2 (25 kHz).

4.1.3.3 Common signalling channels for VDL

4.1.3.3.1 **Common signalling channel VDL Mode 2.** The frequency 136.975 MHz is reserved on a worldwide basis to provide a common signalling channel (CSC) to the VHF digital link Mode 2 (VDL Mode 2). This CSC uses the Mode 2 VDL modulation scheme and carrier sense multiple access (CSMA).

4.1.3.3.2 **Common signalling channels VDL Mode 4.** In areas where VDL Mode 4 is implemented, the frequencies 136.925 MHz and 113.250 MHz shall be provided as common signalling channels (CSCs) to the VHF digital link Mode 4 (VDL Mode 4). These CSCs use the VDL Mode 4 modulation scheme.

4.1.3.4 Auxiliary frequencies for search and rescue operations

4.1.3.4.1 Where a requirement is established for the use of a frequency auxiliary to 121.500 MHz, as described in 4.1.3.1.1 c), the frequency 123.100 MHz shall be used.

4.1.3.4.2 The auxiliary search and rescue channel (123.100 MHz) shall be available only with the characteristics as contained in ANO 10, Volume III, Part II, Chapter 2 (25 kHz).

Note.— The ITU Radio Regulations (RR 5.200) permit the use of the aeronautical auxiliary frequency 123.100 MHz by mobile stations of the maritime mobile service under the conditions laid down in Article 31 of the Radio Regulations for distress and safety purposes with stations of the aeronautical mobile service.

4.1.4 Provisions concerning the deployment of VHF frequencies and the avoidance of harmful interference

Note.— In this section, the protected service volume of each facility is meant in the sense of avoidance of harmful interference.

4.1.4.1 The geographical separation between facilities operating on the same frequency shall, except where there is an operational requirement for the use of common frequencies for groups of facilities, be such that the protected service volume of one facility is separated from the protected service volume of another facility by a distance not less than that required to provide a desired to undesired signal ratio of 20 dB or by a separation distance not less than the sum of the distances to the associated radio horizon of each service volume, whichever is smaller.

4.1.4.2 For areas where frequency assignment congestion is severe or is anticipated to become severe, the geographical separation between facilities operating on the same frequency shall, except where there is an operational requirement for the use of common frequencies for groups of facilities, be such that the protected service volume of one facility is separated from the protected service volume of another facility by a distance not less than that required to provide a desired to undesired signal ratio of 14 dB or by a separation distance not less than the sum of the distances to the associated radio horizon of each service volume, whichever is smaller. This provision shall be implemented on the basis of a regional air navigation agreement.

Note 1.— Guidance material relating to the establishment of the minimum separation distance based on the desired to undesired signal protection ratio of 20 dB or 14 dB and radio line-of-sight is contained in Volume II of the Handbook on Radio Frequency Spectrum Requirements for Civil Aviation including statement of approved ICAO policies (Doc 9718).

Note 2.— The application of the minimum separation distance based on the sum of the radio horizon distance of each facility assumes that it is highly unlikely that two aircraft will be at the closest points between and at the maximum altitude of the protected service volume of each facility.

Note 3.— The distance to the radio horizon from a station in an aircraft is normally given by the formula:

$$D = K \sqrt{h}$$

where D = distance in nautical miles;

h = height of the aircraft station above earth;

K = (corresponding to an effective earth's radius of 4/3 of the actual radius);

= 2.22 when h is expressed in metres; and

= 1.23 when h is expressed in feet.

Note 4.— In calculating the radio line-of-sight distance between a ground station and an aircraft station, the distance from the radio horizon of the aircraft station computed from Note 3 must be added to the distance from the radio horizon of the ground station. In calculating the latter, the same formula is employed, taking for h the height of the ground station transmitting antenna.

Note 5.— The criteria contained in 4.1.4.1 and 4.1.4.2 are applicable in establishing minimum geographical separation between VHF facilities, with the object of avoiding co-channel air-to-air interference. Guidance material relating to the establishment of separation distances between ground stations and between aircraft and ground stations for co-channel operations is contained in the Handbook on Radio Frequency Spectrum Requirements for Civil Aviation including statement of approved ICAO policies (Doc 9718).

4.1.4.3 The geographical separation between facilities operating on adjacent channels shall be such that points at the edge of the protected service volume of each facility are separated by a distance sufficient to ensure operations free from harmful interference.

Note.— Guidance material covering separation distances and related system characteristics is contained in the Handbook on Radio Frequency Spectrum Requirements for Civil Aviation including statement of approved ICAO policies (Doc 9718).

4.1.4.4 The protection height shall be a height above a specified datum associated with a particular facility, such that below it harmful interference is improbable.

4.1.4.5 The protection height to be applied to functions or to specific facilities shall be determined regionally, taking into consideration the following factors:

- (a) the nature of the service to be provided;
- (b) the air traffic pattern involved;
- (c) the distribution of communication traffic;
- (d) the availability of frequency channels in airborne equipment;
- (e) probable future developments.

4.1.4.6 *Where the protected service volume is less than operationally desirable, separation between facilities operating on the same frequency shall not be less than that necessary to ensure that an aircraft at the upper edge of the operational service volume of one facility does not come above the radio horizon with respect to emissions belonging to the service of adjacent facilities.*

Note.— The effect of this requirement is to establish a geographical separation distance below which harmful interference is probable.

4.1.4.7 The geographical separation between VHF VOLMET stations shall be determined regionally and shall be such that operations free from harmful interference are secured throughout the protected service volume of each VOLMET station.

Note.— Guidance material on the interpretation of 4.1.4.7 is contained in the Handbook on Radio Frequency Spectrum Requirements for Civil Aviation including statement of approved ICAO policies (Doc 9718).

4.1.4.8 In the frequency band 117.975 – 137.000 MHz, the frequencies used for National Aeronautical Mobile Services, unless worldwide or regionally allotted to this specific purpose, shall be so deployed that no harmful interference is caused to facilities in the International Aeronautical Mobile Services.

4.1.4.9 The problem of inter-State interference shall be resolved by consultation between the Bangladesh Telecommunication Commission (BTRC) and CAAB.

4.1.4.10 The communication coverage provided by a VHF ground transmitter shall, in order to avoid harmful interference to other stations, be kept to the minimum consistent with the operational requirement for the function.

4.1.5 Method of operation

4.1.5.1 Single channel simplex operation shall be used in the frequency band 117.975 – 137.000 MHz at all stations providing service for aircraft engaged in international air navigation.

4.1.5.2 In addition to the above, the ground-to-air voice channel associated with an ICAO standard radio navigation aid may be used, for broadcast or communication purposes or both.

4.1.6 Plan of assignable VHF radio frequencies for use in the international aeronautical mobile service

Introduction

This plan designates the list of frequencies available for assignment, together with provision for the use by the aeronautical mobile (R) service of all frequencies with a channel spacing of 25 kHz, and of all frequencies with a channel width and spacing of 8.33 kHz.

4.1.6.1 The frequencies in the frequency band 117.975 – 137.000 MHz for use in the aeronautical mobile (R) service shall be selected from the lists in 4.1.6.1.1.

Note 1.— The frequencies 136.500 – 136.975 MHz inclusive are not available for assignment to channels of less than 25 kHz width.

Note 2.— Services that continue operation using 25 kHz assignments will be protected in regions implementing 8.33 kHz channel spacing.

4.1.6.1.1 List of assignable frequencies:

List A — assignable frequencies in regions or areas where 25 kHz frequency assignments are deployed:

118.000 – 121.450 MHz in 25 kHz steps

121.550 – 123.050 MHz in 25 kHz steps

123.150 – 136.975 MHz in 25 kHz steps

List B — assignable frequencies in regions or areas where 8.33 kHz frequency assignments are deployed:

118.000 – 121.450 MHz in 8.33 kHz steps

121.550 – 123.050 MHz in 8.33 kHz steps

123.150 – 136.475 MHz in 8.33 kHz steps

4.1.6.1.2 Frequencies for operational control communications may be required to enable aircraft operating agencies to meet the obligations prescribed in ANO 6-1, in which case they shall be selected from a dedicated band which is determined regionally.

4.1.6.2 The frequencies that may be allotted for use in the aeronautical mobile (R) service in a particular region shall be limited to the number determined as being necessary for operational needs in the region.

4.2 Utilization in the frequency band 108 – 117.975 MHz

4.2.1 The block allotment of the frequency band 108 – 117.975 MHz shall be as follows:

— Band 108 – 111.975 MHz:

- (a) ILS in accordance with 4.2.2 and ANO 10, Volume I, 3.1.3;
- (b) VOR provided that:
 - (1) no harmful adjacent channel interference is caused to ILS;
 - (2) only frequencies ending in either *even tenths* or *even tenths plus a twentieth* of a megahertz are used.
- (c) GNSS ground-based augmentation system (GBAS) in accordance with ANO 10, Volume I, 3.7.3.5, provided that no harmful interference is caused to ILS and VOR.

Note.— ILS/GBAS geographical separation criteria and geographical separation criteria for GBAS and VHF communication services operating in the 118 – 137 MHz band are under development. Until these criteria are defined and included in the SARPs, it is intended that frequencies in the band 112.050 – 117.900 MHz will be used for GBAS assignments.

— Band 111.975 – 117.975 MHz:

- (a) VOR;
- (b) GNSS ground-based augmentation system (GBAS) in accordance with ANO 10, Volume I, 3.7.3.5, provided that no harmful interference is caused to VOR.

Note 1.— Guidance material relating to the distance separation required to prevent harmful interference between ILS and VOR when using the band 108 – 111.975 MHz is found in Section 3 of Attachment C to Annex 10, Volume I.

Note 2.— Guidance material relating to the distance separation required to prevent harmful interference between VOR and GBAS when using the band 112.050 – 117.900 MHz is found in Section 7.2.1 of Attachment D to Annex 10, Volume I.

Note 3.— As of 26 November 2026, subject to the conditions stated in 5.2.1, the frequency 113.250 MHz may be used for the provision of RPAS C2 Link communication services described in ANO 10, Volume V, Chapter 5.

4.2.2 For regional assignment planning, the frequencies for ILS facilities shall be selected in the following order:

- (a) localizer channels ending in *odd tenths* of a megahertz and their associated glide path channels;
- (b) localizer channels ending in *odd tenths plus a twentieth* of a megahertz and their associated glide path channels.

4.2.2.1 ILS channels identified by localizer frequencies ending in an *odd tenth plus one twentieth* of a megahertz in the band 108 – 111.975 MHz shall be permitted to be utilized on the basis of regional agreement.

4.2.3 For regional assignment planning, the frequencies for VOR facilities shall be selected in the following order:

- (a) frequencies ending in *odd tenths* of a megahertz in the band 111.975 – 117.975 MHz
- (b) frequencies ending in *even tenths* of a megahertz in the band 111.975 – 117.975 MHz;
- (c) frequencies ending in *even tenths* of a megahertz in the band 108 – 111.975 MHz;
- (d) frequencies ending in *50 kHz* in the band 111.975 – 117.975 MHz, except as provided in 4.2.3.1;
- (e) frequencies ending in *even tenths plus a twentieth* of a megahertz in the band 108 – 111.975 MHz except as provided in 4.2.3.1.

4.2.3.1 Frequencies for VOR facilities ending in *even tenths plus a twentieth* of a megahertz in the band 108 – 111.975 MHz and all frequencies ending in *50 kHz* in the band 111.975 – 117.975 MHz shall be permitted to be utilized on the basis of a regional agreement when they have become applicable in accordance with the following:

- (a) in the band 111.975 – 117.975 MHz for restricted use;
- (b) for general use in the band 111.975 – 117.975 MHz at a date fixed by the Council but at least one year after the approval of the regional agreement concerned;
- (c) for general use in the band 108 – 111.975 MHz at a date fixed by the Council but giving a period of two years or more after the approval of the regional agreement concerned.

Note.— “Restricted use”, where mentioned in 4.2.2.1 a) and 4.2.3.1 a), is intended to refer to the limited use of the frequencies by only suitably equipped aircraft and in such a manner that:

- (a) the performance of ILS or VOR equipment not capable of operating on these frequencies will be protected from harmful interference;
- (b) a general requirement for the carriage of ILS or VOR airborne equipment capable of operation on these frequencies will not be imposed; and
- (c) operational service provided to international operators using 100 kHz airborne equipment is not derogated.

4.2.4 To protect the operation of airborne equipment during the initial stages of deploying VORs utilizing 50 kHz channel spacing in an area where the existing facilities may not fully conform with the Standards in ANO 10, Volume I, Chapter 3, all existing VORs within interference range of a facility utilizing 50 kHz channel spacing shall be modified to comply with the provisions of ANO 10, Volume I, 3.3.5.7.

4.2.5 **Frequency deployment.** The geographical separation between facilities operating on the same and adjacent frequencies shall be determined regionally and shall be based on the following criteria:

- (a) the required functional service radii of the facilities;
- (b) the maximum flight altitude of the aircraft using the facilities;
- (c) the desirability of keeping the minimum IFR altitude as low as the terrain will permit.

Note.— Guidance material on this subject is contained in the Attachments to the Annex 10, Volume V.

4.2.6 To alleviate frequency congestion problems at locations where two separate ILS facilities serve opposite ends of the same runway or different runways at the same airport, the assignment of identical ILS localizer and glide path paired frequencies shall be permitted, provided that:

- (a) the operational circumstances permit;
- (b) each localizer is assigned a different identification signal; and
- (c) arrangements are made whereby the localizer and glide path not in operational use cannot radiate.

Note.— The Standards in ANO 10, Volume I, 3.1.2.7.2 and 3.1.3.9, specify the equipment arrangements to be made.

4.3 Utilization in the frequency band 960 – 1 215 MHz for DME

Note.1— Guidance on the frequency planning of channels for DME systems is given in Annex 10, Volume I, Attachment C, Section 7.

Note 2.— As of 26 November 2026, subject to the conditions stated in 5.2.1, the frequency band 960 – 1 164 MHz may be shared with RPAS C2 Link communication services described in ANO 10, Volume V, Chapter 5.

4.3.1 DME operating channels bearing the suffix “X” or “Y” in Table A, Chapter 3 of ANO 10, Volume I shall be chosen on a general basis without restriction.

Note.— The channel pairing plan provides for the use of certain Y channels with either VOR or MLS. The guidance material in Annex 10, Volume I, Attachment C, Section 7, includes specific provisions relating to situations where the same, or adjacent channel, is used in the same area for both systems.

4.3.2 DME channels bearing the suffix “W” or “Z” in Table A, Chapter 3 of ANO 10, Volume I, shall be chosen on the basis of regional agreement.

Note.— “Restricted use” is intended to refer to the limited use of the channel by only suitably equipped aircraft and in such a manner that:

- (a) the performance of existing DME equipment not capable of operating on these multiplexed channels will be protected from harmful interference;*
- (b) a general requirement for the carriage of DME airborne equipment capable of operating on these multiplexed channels will not be imposed; and*
- (c) operational service provided to international operators using existing DME equipment without the multiplexed channel capability is not derogate*

4.3.3 For regional assignment planning, the channels for DME associated with MLS shall be selected from Table 4-2.

Table 4-2

| <i>Group</i> | <i>DME channels</i> | <i>Associated paired VHF channels</i> <i>Remarks</i> | <i>Remarks</i> | <i>Assignment procedure</i> |
|--------------|---------------------|---|--|-----------------------------|
| 1. | EVEN 18X to 56X | ILS 100 kHz spacing | Would normally be used if a single DME is paired with ILS and is part of MLS | for general use (see 4.3.1) |
| 2. | EVEN 18Y to 56Y | ILS 50 kHz spacing | | |
| 3. | EVEN 80Y to 118Y | VOR 50 kHz spacing Odd tenths of a MHz | | |
| 4. | ODD 17Y to 55Y | VOR 50 kHz spacing | | |
| 5. | ODD 81Y to 119Y | VOR 50 kHz spacing Even tenths of a MHz | | |
| 6. | EVEN 18W to 56W | No associated paired VHF channel | | for later use (see 4.3.2) |
| 7. | EVEN 18Z to 56Z | No associated paired VHF channel | | |
| 8. | EVEN 80Z to 118Z | No associated paired VHF channel | | |
| 9. | ODD 17Z to 55Z | No associated paired VHF channel | | |
| 10. | ODD 81Z to 119Z | No associated paired VHF channel | | |

Note.—DME channels in Groups 1 and 2 may be used in association with ILS and/or MLS. DME channels in Groups 3, 4 and 5 may be used in association with VOR or MLS.

4.3.3.1 **Groups 1 to 5.** These DME channels shall be permitted to be used generally. In selecting channels for assignment purposes, the following rules are applicable:

- (a) when an MLS/DME is intended to operate on a runway in association with an ILS, the DME channel, if possible, shall be selected from Group 1 or 2 and paired with the ILS frequency as indicated in the DME channelling and pairing table in Table A of ANO 10, Volume I, Chapter 3. In cases where the composite frequency protection cannot be satisfied for all three components, the MLS channel may be selected from Group 3, 4 or 5;
- (b) when an MLS/DME is intended to operate on a runway without the coexistence of an ILS, the DME channel to be used shall preferably be selected from Group 3, 4 or 5.

4.3.3.2 **Groups 6 to 10.** These DME channels shall be permitted to be used on the basis of a regional agreement when they have become applicable in accordance with the conditions specified at 4.3.2.

4.3.4 Coordination of regional DME channel assignments shall be effected through ICAO.

4.4 Utilization in the frequency band 5 030.4 – 5 150.0 MHz

Note 1.— Guidance material on the frequency protection planning of MLS facilities is contained in Attachment G to Annex 10, Volume I.

Note 2.— Guidance on determining coordination distances between MLS facilities and ground stations providing feeder links to non-geostationary mobile satellites is contained in ITU-R Recommendation S.1342.

Note 3.— As of 26 November 2026, subject to the conditions stated in 5.2.1, this frequency band is shared with RPAS C2 Link terrestrial communication services in the portion 5 030.4 – 5 091 MHz, as described in Annex 10, Volume V, Chapter 5.

4.4.1 The MLS channels shall be selected from Table A, Chapter 3 of ANO 10, Volume I.

4.4.2 For regional planning purposes, MLS channels shall be selected in accordance with the conditions specified in

4.3.3 for the associated DME facility.

4.4.3 Channel assignments in addition to those specified in 4.4.1 shall be made within the 5 030.4 – 5 150.0 MHz sub- band as necessary to satisfy future air navigation requirements.

**CHAPTER 5. UTILIZATION OF FREQUENCIES
FOR RPAS C2 LINK COMMUNICATION SERVICES**

(Applicable as of 26 November 2026)

5.1 Satellite-based C2 Link systems

5.1.1 Satellite-based RPAS C2 Link systems shall operate in the following frequency bands:

- (a) *frequency bands with an appropriate allocation to aeronautical safety services under the aeronautical mobile-satellite (route) service (AMS(R)S). Frequency bands that meet these criteria and can be used for RPAS C2 Links, subject to the conditions associated with the allocations, are:*

1 610 – 1 626.5 MHz and 5 000 – 5 150 MHz;

Note.— The SARPs contained in ANO 10, Volume III, Part I, Chapter 4 and Part II, Chapter 2 address requirements for air traffic control (ATC) communications.

- (b) *frequency bands with an allocation to aeronautical safety services under the mobile-satellite service (MSS) where AMS(R)S operations have priority access. Frequency bands that meet these criteria and can be used for RPAS C2 Links are: 1 545 – 1 555 MHz and 1 646.5 – 1 656.5 MHz;*

Note.— The SARPs contained in ANO 10, Volume III, Part I, Chapter 4 and Part II, Chapter 2 address requirements for ATC communications.

- (c) *frequency bands with an allocation to the fixed satellite service (FSS) where the conditions in ITU Resolution 155 (WRC-15) are met. Frequency bands in which this resolution applies are:*

— 10.95 – 11.2 GHz (space-to-Earth);

— 11.45 – 11.7 GHz (space-to-Earth);

— 11.7 – 12.2 GHz (space-to-Earth) in Region 2;

— 12.2 – 12.5 GHz (space-to-Earth) in Region 3;

— 12.5 – 12.75 GHz (space-to-Earth) in Regions 1 and 3;

— 19.7 – 20.2 GHz (space-to-Earth);

— 14.0 – 14.47 GHz (Earth-to-space); and

— 29.5 – 30.0 GHz (Earth-to-space) with an ITU satellite earth station class of “UG”.

Note 1.— UG is an earth station on board an unmanned aircraft communicating with a space station of a geostationary satellite network in the fixed-satellite service for the control and non-payload communications of unmanned aircraft systems in non-segregated airspaces in the frequency bands listed under resolves 1 of ITU Resolution 155 (WRC-15).

Note 2.— Particular note needs to be taken of the timing and order of functions as delineated in ITU Resolution 155 (WRC-15), and in particular the references to necessary actions.

5.1.2 Remotely piloted aircraft (RPA) and remote pilot station (RPS) earth stations shall operate within the notified and recorded technical parameters of the associated satellite network, including specific or typical earth stations as published by the ITU.

5.1.3 RPA and RPS earth stations operating in accordance with 5.1.1 c) shall use FSS assignments that have been successfully coordinated under Article 9 of the ITU Radio Regulations and recorded in the Master International Frequency Register (MIFR) with a favourable finding under Article 11 of the ITU Radio Regulations including Nos. 11.31, 11.32 or 11.32A where applicable, and except those assignments that have not successfully completed coordination procedures under No. 11.32 by applying Appendix paragraph 6.d.i of the ITU Radio Regulations.

5.2 Terrestrial C2 Link communication systems

5.2.1 Terrestrial RPAS C2 Link systems shall operate in bands allocated to the Aeronautical Mobile (Route) Service (AM(R)S). Frequency bands with such allocations include 113.250 MHz and 136.925 MHz (common signalling channels for VDL Mode 4), 960-1164 MHz and 5030-5091 MHz. The operation of the C2 Link within any of these bands shall be implemented so as to be compatible with the systems currently using these allocations. Compatibility shall be ensured through the development and application of necessary SARPs and determined on the basis of regional air navigation agreements.

CHAPTER 6. REPEAL AND SAVINGS

6.1 As soon as may be after the commencement of this ANO, the First Edition of ANO (COM) A-5, issued on 15th February 2009 shall stand repealed.

6.2 Despite such repeal under sub-section (6.1),

(a) any act done, measures taken, any order, ANO, circular, or notice issued, certificate, licence or permit given or any agreement entered into or document signed under the said ANO shall be deemed to have done, taken, entered, issued, given, made or signed under this ANO;

(b) any proceeding, going on or pending, shall, in so far as possible, be disposed of under this ANO; and

(c) any suit and other legal proceedings instituted before any court shall, if pending, be disposed of in such way as if the said ANO had not been repealed.