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# IRELAND

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AIC

Nr 04/17 22 JUN
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## **Commission Implementing Regulation (EU) No. 1079/2012**

### **8.33kHz voice channel spacing Exemptions**

#### **1. Introduction**

Commission Implementing Regulation (EU) No.1079/2012 (as amended) lays down requirements for the coordinated introduction of air-ground voice communications based on 8.33 kHz channel spacing. Article 5(4) of this regulation requires that “from 1<sup>st</sup> of January 2018 an operator shall not operate an aircraft in airspace where carriage of radio is required unless the aircraft radio equipment has the 8.33 kHz channel spacing capability”. Also by December 31<sup>st</sup> 2018 it is required that all frequency assignments are converted to 8.33 kHz spacing.

#### **2. Applicability**

This AIC is applicable to aerodrome licence holders, general aviation pilots, AOC holders and ANSPs.

#### **3. Purpose of this Circular**

The purpose of this AIC is to make stakeholders aware of planned exemptions from the requirements of articles 4.5, 5.4 and 6.10 of the Commission Implementing Regulation (EU) No. 1079/2012 in Ireland.

#### **4. 8.33 kHz exemptions**

Article 14.2 of the regulation allows the State to take local measures granting exemptions from compliance with the articles 4(5), 5(4) and 6(10) for cases having limited impact on the Network.

The local measures granting exemptions are subject to ongoing review by the EU Commission / Network Manager.

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## 5. Planned 8.33 kHz exemptions

To ensure that aircraft that are not equipped with 8.33 kHz radio equipment can continue to avail of the safety benefits of VHF communications including flight information and ATC services, Ireland has notified the EU Commission and the Network Manager that it plans to grant exemptions from the requirements of articles 4.5, 5.4 and 6.10 of EU Regulation 1079/2012 so that:

- a) A number of specified frequency assignments are expected to remain on 25 kHz spacing after the 31-Dec-2018; and
- b) Operators are not required to upgrade aircraft radios to include the 8.33 kHz channel spacing functionality by the 31-Dec-2017 if the aircraft is operated in Ireland, solely:
  - under VFR in Airspace Class “C” in which communications are performed using a 25kHz frequency assignment; or
  - in Airspace Class “G” in which communications are performed using a 25kHz frequency assignment.

### 5.1 Exempted frequency Assignments

The frequency assignments detailed in Annex I are expected to remain on 25 kHz channel spacing until 31-Dec-2025 at the latest.

Note: These exemptions are subject to ongoing review by the EU Commission / Network Manager.

### 5.2 Aircraft Operation / Equipage Exemptions

- 1) **Airspace Class G:** Aircraft operated under IFR or VFR in Airspace class G will not be required to be equipped with an 8.33 kHz channel spacing radio until 31-Dec-2024 at the latest if communications are performed on 25kHz spaced frequency assignments;
- 2) **Airspace Class C:** Aircraft operated under VFR in the following Control Zones will not be required to have an 8.33 kHz channel spacing radio until 31-Dec-2024 at the latest if communications are performed on 25kHz spaced frequency assignments;
  - Donegal CTR;
  - Sligo CTR;
  - Ireland West CTR;
  - Shannon CTR/CTA;
  - Kerry CTR;
  - Cork CTR;
  - Waterford CTR; and
  - Weston CTR.

Note: These exemptions are subject to ongoing review by the EU Commission / Network Manager.

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## **6. VHF Radio (25kHz & 8.33kHz) Channel Spacing Functionality**

Guidance material on the channel spacing functionality of VHF radios (25 kHz and 8.33 kHz) is included in Annex II.

Note: Guidance material on the channel spacing functionality of VHF radios can also be accessed on the EUROCONTROL website via the following link  
[www.eurocontrol.int/833](http://www.eurocontrol.int/833)

## **7. Further Information**

Any queries or requests for further guidance required as a result of this AIC should be addressed to:

Safety Regulation Division  
Irish Aviation Authority  
The Times Building  
11–12 D'Olier Street  
Dublin 2.  
Email: [8.33@iaa.ie](mailto:8.33@iaa.ie)

## **8. Cancellation**

This Aeronautical Information Notice shall remain in force until 31 Dec 2025 or until it is revoked or amended.

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## **Annex I: Frequency Assignments to be retained on 25 kHz.**

<b>Airport</b>	<b>Exempted Assignments</b>
CASEMENT	APP, 122.000 MHz; TWR, 123.500 MHz; MAR/PATROL, 125.025 MHz.
Cork Airport	APP, 119.9 MHz & 118.8 MHz; TWR, 119.3 MHz & 121.7 MHz; GND, 121.85 MHz; ATIS, 120.925 MHz; Airfield Emergency Service, 121.6 MHz
Dublin Airport	TWR, 118.6 MHz; GND, 121.8 MHz; FIS, 118.5 MHz; 121.7 MHz, Airfield Emergency Service, 121.6 MHz
Dublin ACC	FIS, 118.500 MHz, 124.650 MHz, 126.250 MHz
Shannon Airport	APP, 121.4 MHz & 120.2 MHz; TWR, 118.7 MHz; GND, 121.8 MHz; A/G, 123.65 MHz; Airfield Emergency Service, 121.6 MHz
Shannon ACC	127.5 MHz, 124.7 MHz, 119.075 MHz, 131.15 MHz, 132.15 MHz, 135.6 MHz, 121.7 MHz.
Ireland West Airport	TWR, 130.7 MHz; GND, 121.9 MHz
Kerry Airport	TWR, 123.325 MHz; GND, 121.6 MHz; ATIS, 118.025 MHz
Waterford Airport	TWR, 129.850 MHz; GND, 121.6 MHz; ATIS, 121.15 MHz
Donegal Airport	TWR, 129.8 MHz; ATIS, 129.925 MHz.
Sligo Airport	TWR, 122.1 MHz
Weston Airport	TWR 122.4 MHz; GND, 119.425 MHz; ATIS, 118.875 MHz
ABBEYFEALE/DUAGH	118.1 MHz
ABBEYSHRULE/LONGFORD	122.6 MHz
ATHBOY	118.550 MHz
BANTRY	122.4 MHz
BELMULLET	123.6 MHz
BIRR	122.95 MHz
CLONBULLOGUE	128.55 MHz
CONNEMARA	123.000 MHz
COONAGH	129.9 MHz

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FURLONG FIELD	118.15 MHz
GALWAY	122.5 MHz
INISHEER	123.000 MHz
INISHMAAN	123.000 MHz
INISHMORE	123.000 MHz
KILDARE/KILRUSH	123.425 MHz
KILKENNY	122.900 MHz
MILLTOWNPASS	118.325 MHz
MOYNE	123.750 MHz
NATIONAL AERODROMES	130.400 MHz - GLD
NATIONAL AERODROMES	119.600 MHz - Special Events
NAVAN	118.125 MHz
NEWCASTLE	122.550 MHz
SPANISH POINT	123.300 MHz
TIBOHINE	120.000 MHz
TRIM	123.300 MHz
WEXFORD	123.750 MHz

## **Annex II: Frequency Tables**

At present, in 25 kHz channel spacing VHF COM, the frequency in use is identified by the numbers which correspond to the centre of frequency used for transmission (e.g. “Contact Brussels Approach 120.1” → 120.100MHz). In 8.33 kHz channel spacing VHF operations, the selectable frequencies are associated with the channel identifications which do not correspond exactly with frequency used (e.g. “Contact Amsterdam Approach 118.080” → 118.0750MHz). The table below provides a sample of mapping between the selected channel and its corresponding frequency

Old 25kHz radio	New 8.33kHz radio				
	Dial selection			Real TX/RX frequency	
Frequency	Dial	25kHz Frequency	8.33kHz Channel	Frequency (Mhz)	Spacing (kHz)
118.000	118.000	118.000		118.0000	25
	118.005		118.005	118.0000	8.33
	118.010		118.010	118.0083	8.33
	118.015		118.015	118.0167	8.33
118.025	118.025	118.025		118.0250	25
	118.030		118.030	118.0250	8.33
	118.035		118.035	118.0333	8.33
	118.040		118.040	118.0417	8.33
118.050	118.050	118.050		118.0500	25
	118.055		118.055	118.0500	8.33
	118.060		118.060	118.0583	8.33
	118.065		118.065	118.0667	8.33
118.075	118.075	118.075		118.0750	25
	118.080		118.080	118.0750	8.33
	118.085		118.085	118.0833	8.33
	118.090		118.090	118.0917	8.33
118.100	118.100	118.100		118.1000	25
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132.000	132.000	132.000		132.0000	25
	132.005		132.005	132.0000	8.33
	132.010		132.010	132.0083	8.33
	132.015		132.015	132.0167	8.33

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Old 25 kHz Radio	New 25 kHz Radio				
	Dial Selection			Real TX/RX frequency	
132.025	132.025	132.025		132.0250	25
	132.030		132.030	132.0250	8.33
	132.035		132.035	132.0333	8.33
	132.040		132.040	132.0417	8.33
132.050	132.050	132.050		132.0500	25
	132.055		132.055	132.0500	8.33
	132.060		132.060	132.0583	8.33
Etc.					