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# IRISH AVIATION AUTHORITY

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## Review of Irish Airspace

**This document should be read in conjunction with AIC Nr 002/2021**

### 1. Purpose

- 1.1 The primary purpose of this document is to appraise all airspace users and interested parties of the responses received on foot of the Review of Irish Airspace, detailed in AIC Nr 002/2021, and the proposed airspace changes.

### 2. General

- 2.1 This review of Irish Airspace is a joint initiative between the IAA ATM Operations & Strategy (IAA ATM) and the IAA Safety Regulatory Division (IAA SRD) to enhance airspace and instrument flight procedures based on both conventional and Performance Based Navigation (PBN).

### 3. Initial ACP Consultation

- 3.1 A total of 33 submissions were received from interested parties. These 33 submissions outlining 276 comments are published on the IAA web site from the 15<sup>th</sup> July. Each one of these comments was reviewed by both the IAA ATM and IAA SRD.

### 4. Airspace Construction Principles

#### 4.1 Regional Airports Airspace Construction Principles:

- 4.1.1 The primary area of an Instrument Flight Procedure (IFP's) must be wholly contained within Class C airspace.
- 4.1.2 A 500ft vertical buffer is provided between the nominal aircraft position and the top of Class G airspace.
- 4.1.3 ATC procedural separations
- 4.1.4 Environmental
  - 4.1.4.1 Continuous Climb Operations and Continuous Descent Operations (CCO/CDO) to/from airports.
  - 4.1.4.2 Reduced IFP track miles where possible

#### 4.2 Shannon, Cork and Kerry Airports Airspace Construction Principles

- 4.2.1 The primary area of an Instrument Flight Procedure must be wholly contained within Class C airspace.
- 4.2.2 A 500ft vertical buffer is provided between the nominal aircraft position and the top of Class G airspace.
- 4.2.3 Environmental
  - 4.2.3.1 Continuous Climb Operations and Continuous Descent Operations (CCO/CDO) to/from airports.
  - 4.2.3.2 Reduced track miles.
- 4.2.4 Proposed airspace design resulting in a reduction of Class C airspace where possible.
- 4.2.5 ATC procedural separations (Kerry Airport ATC).
- 4.2.6 ATC RADAR separations (Shannon and Cork)
- 4.2.7 Airspace Navigation Specifications (Shannon and Cork)

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- 4.3 Regional airspace is activated via NOTAM as Class C during the hours of ATS and reverts to Class G outside of these times (See AIP Ireland and NOTAM).
  - 4.4 A European Flexible Use of Airspace (FUA) Task Force to “harmonise” the application of the ICAO ATS airspace (A-G) classifications within ECAC concluded on two ICAO ATS airspace classifications - Known Airspace (Class C) and Unknown Airspace (Class G).
  - 4.5 The base of controlled airspace will remain at FL75.
  - 4.6 Access to controlled Class C airspace is as per current requirements detailed in AIP Ireland ENR 1-10 (Flight planning).
  - 4.7 Performance Based Navigation (PBN)
    - 4.7.1 ICAO
      - 4.7.1.1 ICAO's Global Air Navigation Plan (GANP) 2013-2028 sets out the introduction of Performance Based Navigation (PBN) as its highest priority. The ICAO PBN Implementation Plan for Ireland is available on the IAA web site
    - 4.7.2 European Union
      - 4.7.2.1 EU Regulation 2018/1048 - PBN IR lays down airspace usage requirements and operating procedures concerning performance-based navigation 2030. The EU PBN Transition Plan for Ireland is available on the IAA web site.
  - 4.8 These proposed airspace designs may be subject to adjustment following further consultation (solely on the designs) with comments accepted up to COB on the 12th August 2021.

## 5. Proposed Airspace Change Details

- 5.1 The Proposed Airspace Change to be displayed on the IAA web site from the 15th July are outlined as follows:
  - 5.1.1 Appendix A – Diagram showing Airspace Change – Shannon CTA – Donegal
  - 5.1.2 Appendix B – Diagram showing Airspace Change – Shannon CTA – Waterford
  - 5.1.3 Appendix C – Diagram showing Airspace Change – Shannon CTA – Ireland West
  - 5.1.4 Appendix D – Diagram showing Airspace Change – Shannon CTA – Kerry
  - 5.1.5 Appendix E – Diagram showing Airspace Change – Shannon CTA – Sligo
  - 5.1.6 Appendix F – Diagram showing Airspace Change – Shannon CTA – Shannon, Cork, and Kerry
  - 5.1.7 Appendix G – Diagram showing Airspace Change – Shannon CTA – Shannon and Cork
    - 5.1.7.1 Please see below coordinates for the Shannon airspace

NUMBER	LAT	LONG
1	53° 01' 17.9285"N	009° 22' 01.9005"W
2	52° 19' 46.8036"N	009° 13' 45.5368"W
3	52° 32' 23.756"N	009° 21' 02.9199"W
4	52° 39' 02.4679"N	008° 14' 43.8359"W
5	52° 40' 18.5804"N	008° 26' 03.6280"W
6	52° 48' 45.7878"N	008° 27' 57.6789"W
7	52° 51' 06.4825"N	008° 17' 05.0653"W
8	53° 07' 06.0493"N	008° 55' 40.6388"W
1	52° 57' 47.1034"N	009° 37' 42.152"W
2	52° 24' 46.9900"N	009° 35' 33.5100"W
3	52° 19' 02.9046"N	009° 42' 24.7199"W
4	52° 23' 16.7643"N	009° 22' 20.8605"W
5	53° 01' 17.9285"N	009° 22' 01.9005"W
1	52° 54' 17.8085"N	009° 53' 04.7624"W
2	52° 19' 02.9046"N	009° 42' 24.7199"W
3	52° 24' 46.9900"N	009° 35' 33.5100"W

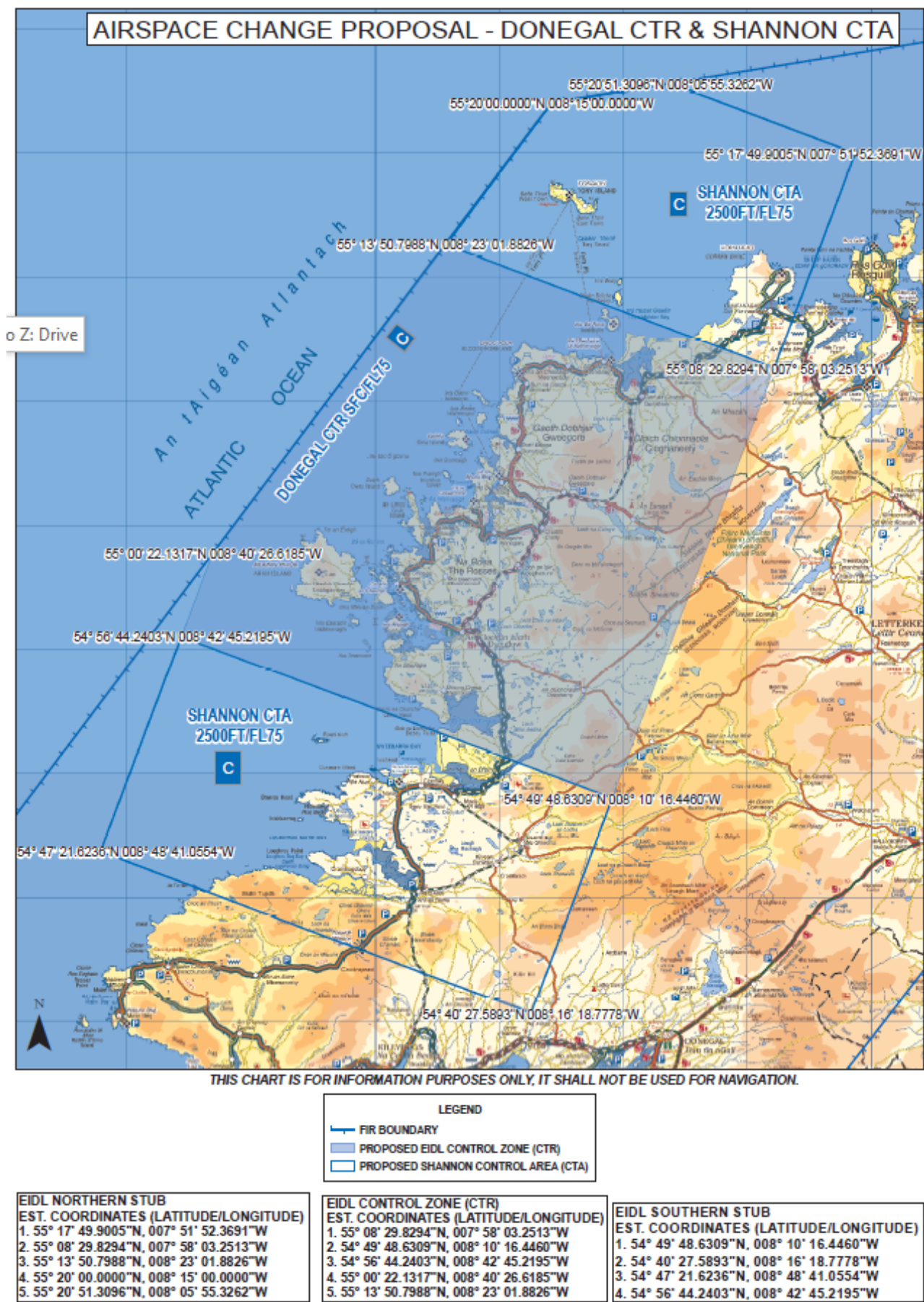
4	52° 57' 47.1034"N	009° 37' 42.152"W
3	53° 10' 32.5322"N	008° 39' 46.5657"W
4	52° 35' 05.4577"N	008° 07' 38.3544"W
1	53° 13' 53.0176"N	008° 24' 11.4907"W
2	52° 37' 47.2772"N	007° 55' 04.3967"W
1	52° 19' 46.8036"N	009° 13' 45.5368"W
2	52° 17' 21.2818"N	009° 00' 40.0584"W
3	52° 09' 13.7366"N	008° 56' 19.77572"W
4	52° 14' 43.5251"N	008° 19' 40.1688"W
5	52° 19' 30.2384"N	008° 07' 35.7421"W
6	52° 37' 47.2772"N	007° 55' 04.3967"W
1	53° 07' 06.0493"N	008° 55' 40.6388"W
2	53° 10' 32.5322"N	008° 39' 46.5657"W
3	52° 35' 05.4577"N	008° 07' 38.3544"W
4	52° 32' 23.756"N	009° 21' 02.9199"W
5	52° 39' 02.4679"N	008° 14' 43.8359"W
6	52° 40' 18.5804"N	008° 26' 03.6280"W
7	52° 48' 45.7878"N	008° 27' 57.6789"W
8	52° 51' 06.4825"N	008° 17' 05.0653"W

5.1.7.2 Please see below coordinates for the Cork airspace

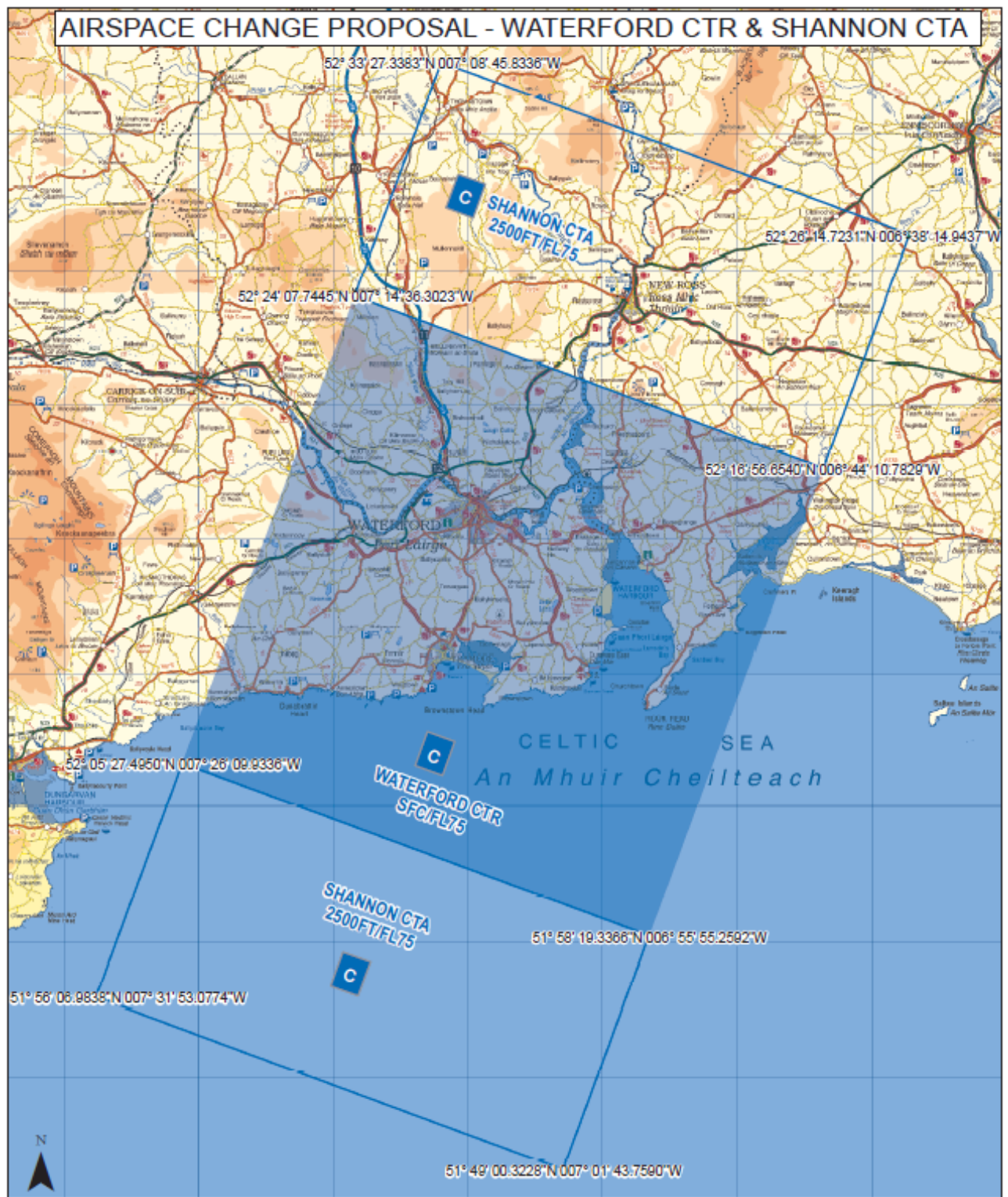
NUMBER	LAT	LONG
1	52 19 30.2384"N	008 07 35.7421"W
2	51 19 02.061"N	008 37 55.1218"W
3	51 26 05.0533"N	008 38 00.9499"W
4	52 14 43.5251"N	008 19 40.1688"W
1	51 54 14.9276"N	008 52 53.2768"W
2	51 55 30.6735"N	009 00 42.0170"W
3	52 04 29.0430"N	008 52 30.7681"W
4	52 00 58.1609"N	008 46 45.6178"W

## 6. Consultation of the Proposed Airspace Change Details

- 6.1 The Proposed Airspace Change Details to be displayed on the IAA web site from the 15th July
- 6.2 Designs will be published from the 15th July for further consultation (solely on the designs) with comments accepted up to COB on the 12th August 2021. No further consultation will take place thereafter.
- 6.3 A simulation will take place in September involving an open day - COVID permitting – further information to be published at a later date regarding this simulation.
- 6.4 Any persons who would like to make a submission as part of the Proposed Airspace Change Details should do so by the 12th August to [airspace@iaa.ie](mailto:airspace@iaa.ie)







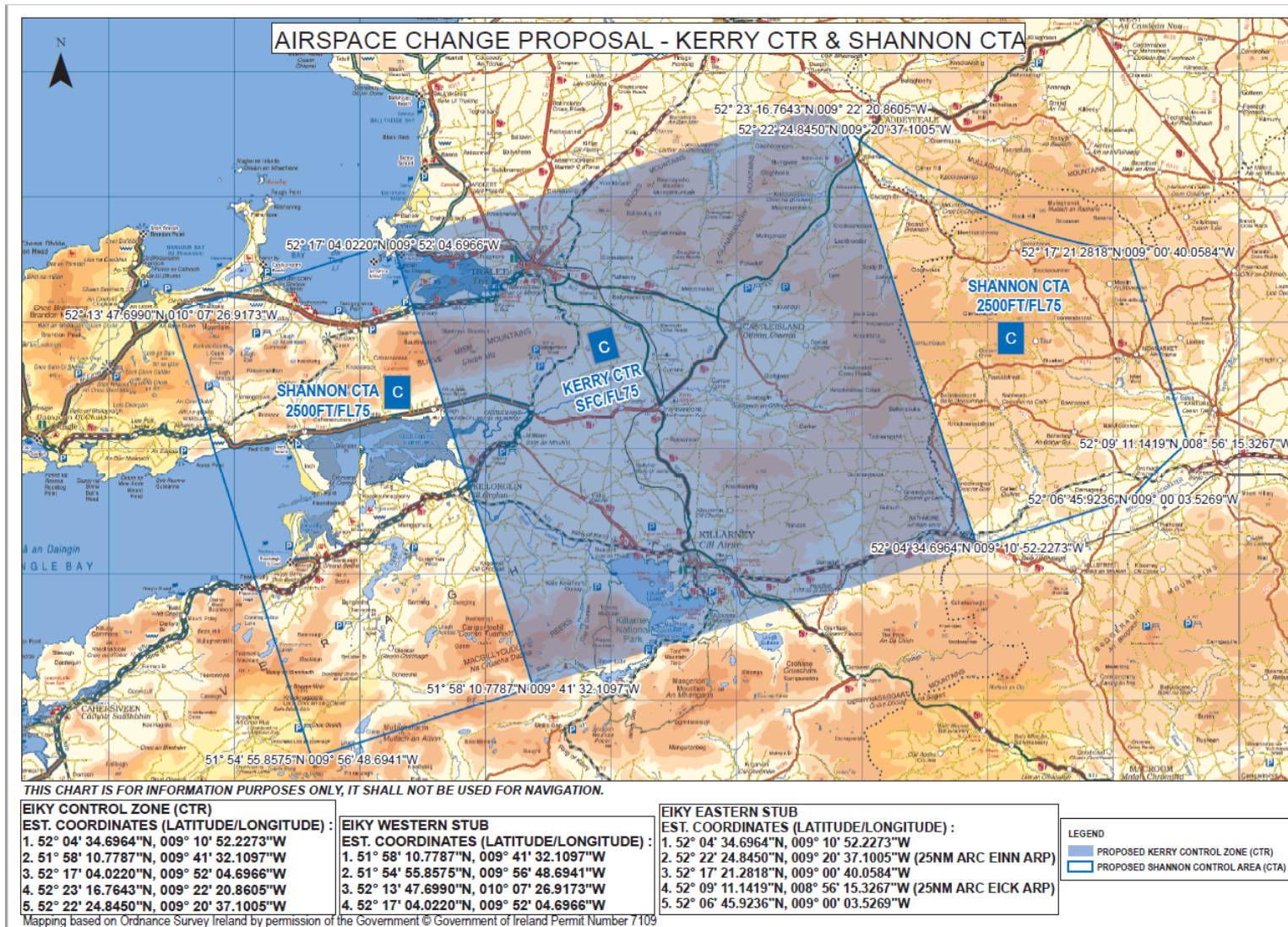
Mapping based on Ordnance Survey Ireland by permission of the Government © Government of Ireland Permit Number 7109







# Appendix D – Diagram showing Airspace Change – Shannon CTA – Kerry



# Appendix E – Diagram showing Airspace Change – Shannon CTA – Sligo

