STATUTORY INSTRUMENTS

S.I. No. 806 of 2007

_____

IRISH AVIATION AUTHORITY (DESIGNATED AREAS) ORDER, 2007

S.I. No. 806 of 2007

IRISH AVIATION AUTHORITY (DESIGNATED AREAS) ORDER, 2007

The Irish Aviation Authority in pursuance of the powers conferred by Section 5 and 68(1) of the Irish Aviation Authority Act 1993, Number 29 of 1993, with the consent of the Minister for Transport and the Minister for Defence, hereby orders the designation of the areas of Irish Airspace in Articles 4 and 5 hereunder for use by the Defence Forces.

1. This order may be cited as the Irish Aviation Authority (Designated Areas) Order, 2007.

2. This order shall come into operation at 00:01 hours on the 13th day of March, 2008.

3. In this Order:

"the Act" means the Irish Aviation Authority Act, 1993 (No. 29 of 1993) as amended;

"designated area" (as specified in section 68 of the Act) means an airspace of defined dimensions designated by the Irish Aviation Authority with the consent of the Minister for Transport and the Minister for Defence for use by the Defence Forces. An aircraft, other than an aircraft of the Defence Forces, may not enter such an airspace without the permission of the person operating air navigation services therein;

"restricted area" means, for the purposes of this Order, airspace of defined dimensions in a designated area above the land areas or territorial waters of the state, within which the flight of civil aircraft is subject to specified restrictions;

"TOP" Maximum vertical extent (expressed as an altitude or level) of an area of airspace;

"BASE" Minimum vertical extent (expressed as the surface, an altitude or level) of an area of airspace;

"AREA database" A name attributed to a collection of data defining the boundaries of the airspace areas referred to in this Order, listed in Part I of the Schedule to the Order and described in the database interpretative material contained in Part II of the Schedule to the Order;

"EIR..." means, for purposes of this Order, a restricted area, within a designated area, individually identified by a number and the boundary of which is defined by co-ordinates and data in the AREA database as specified in Part 1 of the

Schedule to the Order and as depicted, by way of illustration only, on the map in Part III of the Schedule;

"MOA..." means, for purposes of this Order, a restricted area, termed a military operational area, within a designated area, individually identified by a number and the boundary of which is defined by co-ordinates and data specified in Part 1 of the Schedule to the Order and as depicted, by way of illustration only, on the map in Part III of the Schedule;

"military operational area" means, for the purposes of this Order, a restricted area for use by aircraft of the Defence Forces within which the flight of civil aircraft may be restricted in accordance with such standing criteria as are specified by the Authority in relation thereto and published in the Aeronautical Information publication.

4. The areas EIR 15, EIR 16, EIR 22, EIR 23 are hereby designated as restricted areas with vertical and lateral extent as defined for each area by the AREA database and database interpretative material in Parts I and II of the Schedule to the Order as follows:

— the lateral extent within the area boundaries is defined in the AREA database, for each area as appropriate, by one or more of the following:

  a:—

  — Point Sequence,

  — Point Name/Description,

  — Latitude,

  — Longitude,

  — Line Type,

  — Centre Latitude,

  — Centre Longitude, and

  — Radius (NM).

— the vertical extent is defined from BASE up to and including TOP for each area by data elements in the AREA database.

5. The following airspace areas MOA 3, MOA 4, MOA 5 are hereby designated as military operational areas with vertical and lateral extent as defined for each area by the AREA database and database interpretative material in Parts I and II of the Schedule to the Order, as follows:

— the lateral extent within the area boundaries is defined in the AREA database, for each area as appropriate, by one or more of the following:

a:

— Point Sequence,

— Point Name/Description,

— Latitude,

— Longitude,

— Line Type,

— Centre Latitude,

— Centre Longitude, and

— Radius (NM).

— the vertical extent of each area is defined from BASE up to and including TOP for each area by data elements in the AREA database.

6. The Air Navigation (Designated Areas) Order, 2002 (S.I. No. 140 of 2002) is hereby revoked.

SCHEDULE

AREA DATABASE AND DATABASE INTERPRETATIVE MATERIAL

Part 1

AREA DATABASE

Part I - AREA DATABASE

ASPC NAME	ASPC TYPE	ASPC DESC1	ASPC DESC2	PT NAME/DESC	PT SEQ	LATITUDE	LONGITUDE	LINE TYPE	CENTRE LAT	CENTRE LONG	RADIUS(NM)	BASE	TOP
EIR15	Restricted	Casement Area		EIDW/CTR/3	1			Meridian				SFC	3000
EIR15	Restricted	Casement Area		EIDW/CTA/Base 4500/5	2			Geodesic				SFC	3000
EIR15	Restricted	Casement Area			3	53 14 36.7000 N	006 37 07.3300 W	Geodesic				SFC	3000
EIR15	Restricted	Casement Area			4	53 22 01.6300 N	006 42 36.9100 W	Geodesic				SFC	3000
EIR15	Restricted	Casement Area		EIDW/CTA/Base 4500/5	5	53 23 39.3600 N	006 43 49.9600 W	Geodesic				SFC	3000
EIR6	Restricted	Casement Area	Base 1000		1	53 23 39.3600 N		Geodesic				1000	FL240
EIR6	Restricted	Casement Area	Base 1000	EIR15/Restricted/3	2			Geodesic				1000	FL240
EIR6	Restricted	Casement Area	Base 1000		3	53 10 41.0600 N	006 48 56.2200 W	Arc	EIME ARP	EIME ARP	015.00	1000	FL240
EIR6	Restricted	Casement Area	Base 1000		4	53 23 59.3100 N	006 50 23.6200 W	Geodesic				1000	FL240
EIR6	Restricted	Casement Area	Base 1500 Pie		1	53 14 38.7600 N	006 25 41.9900 W	Geodesic				1500	4500
EIR6	Restricted	Casement Area	Base 1500 Pie		2	53 10 21.1900 N	006 33 59.0000 W	Geodesic				1500	4500
EIR6	Restricted	Casement Area	Base 1500 Pie	EIR15/Restricted/3	3			Geodesic				1500	4500
EIR6	Restricted	Casement Area	Base 1500 West	EIR6/Restricted/Base 1000/4	1			Arc (A)	EIME ARP	EIME ARP	015.00	1500	FL240
EIR6	Restricted	Casement Area	Base 1500 West	EIR6/Restricted/Base 1000/3	2			Geodesic				1500	FL240
EIR6	Restricted	Casement Area	Base 1500 West		3	53 08 15.3700 N	006 56 11.6500 W	Arc	EIME ARP	EIME ARP	020.00	1500	FL240
EIR6	Restricted	Casement Area	Base 1500 West		4	53 24 24.9700 N	006 59 01.7100 W	Geodesic				1500	FL240
EIR6	Restricted	Casement Area	Base 2500	EIR15/Restricted/3	1			Geodesic				2500	FL240
EIR6	Restricted	Casement Area	Base 2500	EIR6/Restricted/Base 1500 Pie/2	2			Geodesic				2500	FL240
EIR6	Restricted	Casement Area	Base 2500		3	53 06 07.1200 N	006 42 06.5700 W	Arc	EIME ARP	EIME ARP	015.00	2500	FL240
EIR6	Restricted	Casement Area	Base 2500	EIR6/Restricted/Base 2500/3	4			Geodesic				2500	FL240
EIR6	Restricted	Casement Area	Base 2500 West	EIR6/Restricted/Base 1500 West/4	1			Arc (A)	EIME ARP	EIME ARP	020.00	2500	FL240
EIR6	Restricted	Casement Area	Base 2500 West	EIR6/Restricted/Base 1500 West/3	2			Geodesic				2500	FL240
EIR6	Restricted	Casement Area	Base 2500 West		3	53 03 24.0360 N	007 10 34.5260 W	Arc	EIME ARP	EIME ARP	030.00	2500	FL240
EIR6	Restricted	Casement Area	Base 2500 West		4	53 25 13.5300 N	007 15 59.2500 W	Geodesic				2500	FL240
EIR6	Restricted	Casement Area	Base 3500	EIR6/Restricted/Base 1000/3	1			Arc (A)	EIME ARP	EIME ARP	015.00	3600	FL240
EIR6	Restricted	Casement Area	Base 3500	EIR6/Restricted/Base 2500/3	2			Geodesic				3600	FL240
EIR6	Restricted	Casement Area	Base 3500		3	53 02 46.8900 N	006 48 29.9500 W	Arc	EIME ARP	EIME ARP	020.00	3600	FL240
EIR6	Restricted	Casement Area	Base 3500	EIR6/Restricted/Base 1500 West/3	4			Geodesic				3600	FL240
EIR6	Restricted	Casement Area	Base 4500	EIR6/Restricted/Base 1500 West/3	1			Arc (A)	EIME ARP	EIME ARP	020.00	4500	FL240
EIR6	Restricted	Casement Area	Base 4500	EIR6/Restricted/Base 3500/3	2			Geodesic				4500	FL240
EIR6	Restricted	Casement Area	Base 4500		3	52 56 09.1700 N	007 01 03.6100 W	Arc	EIME ARP	EIME ARP	030.00	4500	FL240
EIR6	Restricted	Casement Area	Base 4500	EIR6/Restricted/Base 2500 West/3	4			Geodesic				4500	FL240
EIR22	Restricted	Firmer Area						Circle	EIFR ARP	EIFR ARP	001.00	SFC	1000
EIR23	Restricted	Casement Area						Circle	BAL DVOR/DME	BAL DVOR/DME	001.00	SFC	2000
MOA3	Military Operating Area	Casement Area			1	53 07 54.4900 N	006 32 11.1700 W	Geodesic				SFC	FL450
MOA3	Military Operating Area	Casement Area			2	53 03 59.0300 N	006 29 17.6500 W	Geodesic				SFC	FL450
MOA3	Military Operating Area	Casement Area			3	52 30 41.0300 N	006 35 03.2500 W	Geodesic				SFC	FL450
MOA3	Military Operating Area	Casement Area			4	52 40 07.0300 N	007 19 57.0300 W	Geodesic				SFC	FL450
MOA4	Military Operating Area	Casement Area		EIR6/Restricted/Base 1000/1	1			Geodesic				SFC	FL450
MOA4	Military Operating Area	Casement Area		MOA3/Military Operating Area/1	2			Geodesic				SFC	FL450
MOA4	Military Operating Area	Casement Area			3	52 46 52.3900 N	007 09 27.6500 W	Arc	EIME ARP	EIME ARP	040.00	SFC	FL450
MOA4	Military Operating Area	Casement Area			4	53 25 20.8900 N	007 33 00.0200 W	Geodesic				SFC	FL450
MOA4	Military Operating Area	Casement Area			5	53 31 52.0000 N	007 22 04.0200 W	Geodesic				SFC	FL450
MOA4	Military Operating Area	Casement Area		EIR6/Restricted/Base 1500 West/4	6			Geodesic				SFC	FL450

ASPC NAME	ASPC TYPE	ASPC DESC 1	ASPC DESC 2	PT SEQ	PT NAME/DESC	LATITUDE	LONGITUDE	LINE TYPE	CENTRE LAT	CENTRE LONG	RADIUS(NM)	BASE	TOP
MOA5	Military Operating Area	Casement Area		1	MOA4/Military Operating Area4			Arc (A)	EIME ARP	EIME ARP	040.00	SFC	FL450
MOA5	Military Operating Area	Casement Area		2	MOA4/Military Operating Area3			Geodesic				SFC	FL450
MOA5	Military Operating Area	Casement Area		3	MOA3/Military Operating Area4			Geodesic				SFC	FL450
MOA5	Military Operating Area	Casement Area		4		52 46 31.4500 N	007 51 26.2000 W	Arc	EIME ARP	EIME ARP	060.00	SFC	FL450
MOA5	Military Operating Area	Casement Area		5		53 06 11.2500 N	008 04 40.6100 W	Geodesic				SFC	FL450

Part II

AREA DATABASE INTERPRETATIVE MATERIAL

AREA Database Description:

The AREA database contains a listing of data defining the boundaries of the Irish Airspace Organisation components.

AREA Database Structure:

1. (*a*) The database contains blocks of airspace. Each block is identified uniquely using the column identifiers ASPC NAME, ASPC TYPE, ASPC DESC 1 and ASPC DESC 2.

    (*b*) The boundaries of each block are defined by a sequence of points, one at each apex, joined by a specific line type.

    (*c*) Each record contains the point name/description or geographic co-ordinates, representing the sequence point, together with the line type joining that point to the subsequent sequence point contained in the following record.

    (*d*) The final sequence point for each block is joined to the first sequence point.

    (*e*) Where a line type ARC or Circle is given, then data representing the centre and radius are included in the record.

    (*f*) Where a record contains a point common to another record within the database, such point is identified in the field under the column identifier "PT NAME/DESC" by reference to the appropriate field entries of the common point's record, separated by a forward slash. This ensures that co-ordinates of a point are not entered into the database more than once.

2. All geographic co-ordinates are those of the World Geodetic System, 1984 (WGS-84).

3. A map is attached, for illustrative purposes only, showing Designated Airspace and depicting a plan of the Restricted Areas and Military Operational Areas identified by ASPC NAME and ASPC DESC 2 in the AREA database.

AREA Database Listing of Column Identifiers

The listing of data in the AREA database contains the following column identifier abbreviations:

Abbreviation	Column Identifier
ASPC NAME	Airspace Name
ASPC TYPE	Airspace Type
ASPC DESC 1	Airspace Description one
ASPC DESC 2	Airspace Description two
PT SEQ	Point Sequence
PT NAME/DESC	Point Name/Description
CENTRE LAT	Centre Latitude
CENTRE LONG	Centre Longitude
RADIUS (NM)	Radius in Nautical Miles

AREA Database Data Element Abbreviation Description

(1) Line Type

Line Type abbreviations for data elements within the AREA Database include the following descriptions: Line Type	Description
ARC	ARC of small circle — clockwise
ARC (A)	ARC of small circle — anticlockwise
Meridian	Meridian of Longitude
Circle	Small circle

(2) Other Elements

Abbreviations for other data elements within the AREA database include the following descriptions:

Data Element	Description
EIFR ARP	Finner Camp Aerodrome Reference Point
EIME ARP	Casement Aerodrome Reference Point
SFC	Surface
FL	Flight Level

Data Element Values

Values for data elements within the AREA Database include the following:

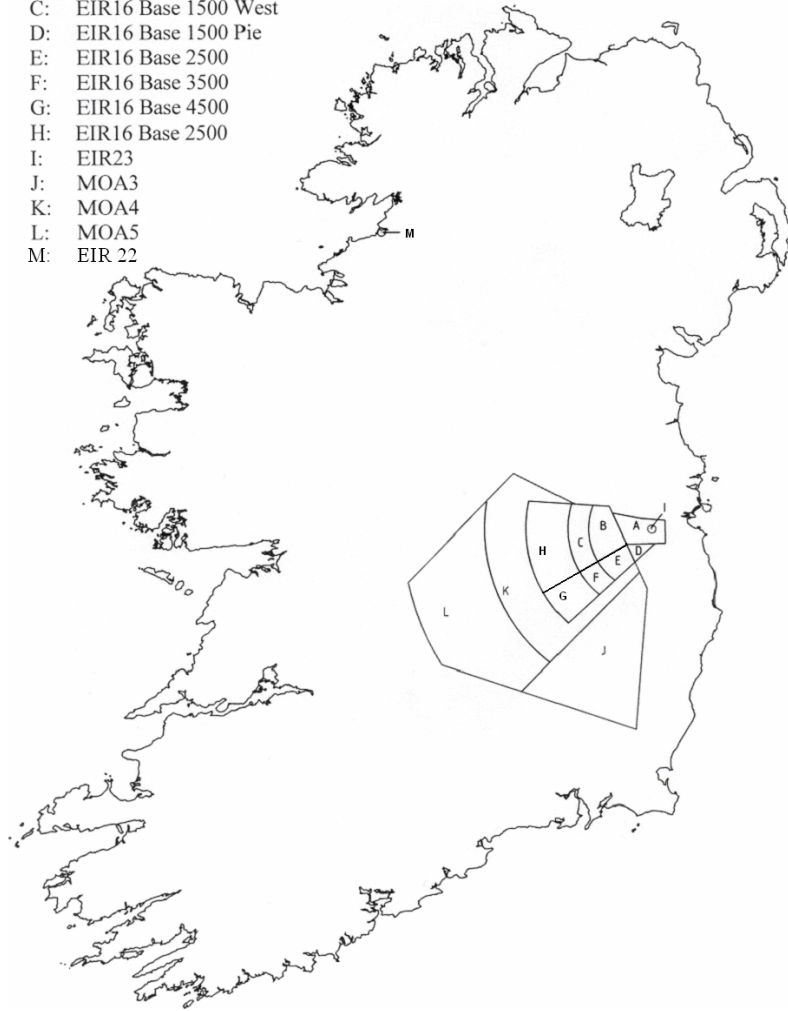| Data Element	Latitude	Longitude
EIME ARP	53 18 10.7710N	006 27 19.4621W
EIFR ARP	54 29 31.6049N	008 14 40.0048W
BAL DVOR/DME	53 17 59.6170N	006 26 52.0036W
EIDW/CTA/Base 4500/5	53 14 39.2400N	006 21 30.3500W
EIDW/CTA/Base 1500/5	53 20 34.0400N	006 30 56.3700W
EIDW/CTR/3	53 20 00.0000N	006 21 30.3500W

Part III

MAP

Part III — MAP (For illustrative purposes)

Part III – MAP (For illustrative purposes)

Key To Areas
A: EIR15
B: EIR16 Base 1000
C: EIR16 Base 1500 West
D: EIR16 Base 1500 Pie
E: EIR16 Base 2500
F: EIR16 Base 3500
G: EIR16 Base 4500
H: EIR16 Base 2500
I: EIR23
J: MOA3
K: MOA4
L: MOA5
M: EIR 22

L.S.

GIVEN under the common seal of the Irish Aviation Authority,
12 December 2007

FRANK COWNWAY.
Director

Present when the common seal of the Irish Aviation Authority was affixed hereto.

L.S.

GIVEN under the common seal of the Irish Aviation Authority,
12 December 2007

DONAL DOWNING.
Director

EXPLANATORY NOTE

(This note is not part of the Order and does not purport to be a legal interpretation).

1. This Order relates to the designation of certain amended areas of airspace for use by theDefence Forces.

2. This Order revokes and re-enacts with modifications and additions the Irish Aviation Authority (Designated Areas) Order, 2002 (S.I. No. 140 of 2002).

3. This Order provides for:

— an amendment to the lateral and vertical limits of the existing Restricted Area EIR 16 (to accommodate revised flight procedures for Operational Air Traffic at Casement Aerodrome Co. Dublin and revised Civil/Military Air Traffic Control Coordination procedures);

— prescribing lateral limits for all designated areas based on co-ordinates in the World Geodetic System of 1984.