



International Civil Aviation Organization

**The Fifth Meeting of ICAO AIS-AIM Implementation Task Force
(AAITF/5)**

Beijing, China, 25 – 26 June 2010

Agenda Item 9: Any Other Business

NOTAM Geographical reference qualifiers 'COORDINATES & RADIUS'

(Presented by the Republic of Korea)

SUMMARY

This paper introduce the current usage of NOTAM Qualifier 'COORDINATES & RADIUS'
in the Republic of Korea.

1. INTRODUCTION

1.1 The NOTAM Format has been developed to facilitate its use in a manual or automated environment. Its format allows direct utilization for data processing as well as for presentation to users.

1.2 In particular, qualifier 'Coordinates & Radius' for geographical reference in Item Q) helps user easily recognize the area of influence.

2. QUALIFIER COORDINATES & RADIUS USED IN THE REPUBLIC OF KOREA

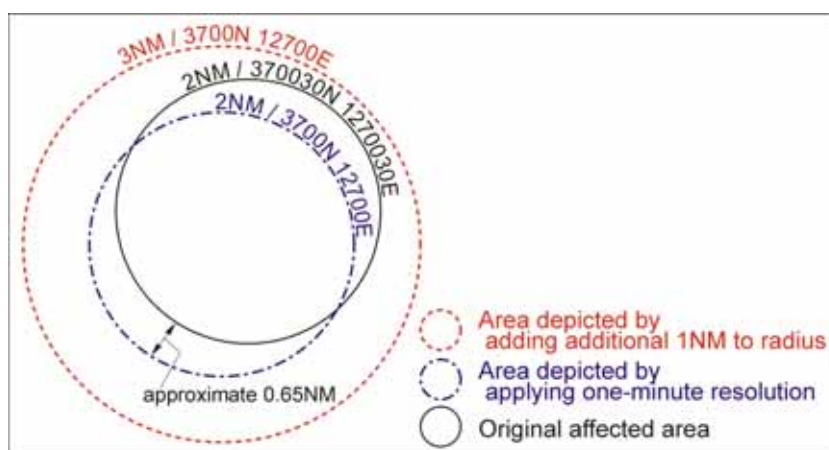
2.1 In accordance with Chapter 5, 5.2.1 and the appendix 6 of Annex 15 to the Convention on International Civil aviation, NOTAM Qualifiers 'COORDINATES & RADIUS' of Item Q shall be inserted as follows:

The latitude and longitude accurate to one minute, as well as a three-digit distance figure giving the radius of influence in NM (e.g. 4700N01140E043). Coordinates present approximate centre of circle whose radius encompasses the whole area of influence, and if

the NOTAM affects the entire FIR/UIR or more than one FIR/UIR, enter the default value "999" for radius (Appendix 6 of Annex 15)

2.2 In case that navigation warning, for example, prohibited, restricted or danger area is activated in the form of circle shape and its center coordinates is given in degrees, minutes and seconds, coordinates can only be inserted to one minute according to the requirement mentioned as above. If do so, the gap between the originally affected area and area resulting from item Q) occurred as follows:

For example : If restricted area is activated with a circle, 2NM radius centered on 35°00'30"N 127°00'30"E, in general, 'COORDINATES & RADIUS' in Item Q-'COORDINATES & RADIUS' may be inserted as 3500N12700E002. In this case, however, originally given radius value 2NM can not encompasses the whole area of influence.



2.3 In order to prevent the gap as indicated above, the Republic of Korea add additional 1NM to original given radius value in Item Q) as follows:

Q) RKRR/QRTCA/IV/BO/W/000/130/3700N12700E003

A) RKRR B) 1006031400 C) 1006031600

E) TEMPO RESTRICTED AREA ACT AS FLW :

A CIRCLE RADIUS 2NM CENTERED ON 370030N1270030E

F) SFC G) 13000FT AMSL)

2.4 Maximum 0.65NM difference occurred from originally affected area. It may be considered a very small value. However, it is necessary for users have more precise information in order to prepare their flight efficiently.

2.5 In this regards, the present resolution for 'Coordinates & Radius' should be changed to one second resolution in order to meet requirements for the future navigation.

3. ACTION BY THE MEETING

3.1 The meeting is invited to note and review the information in this paper.

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