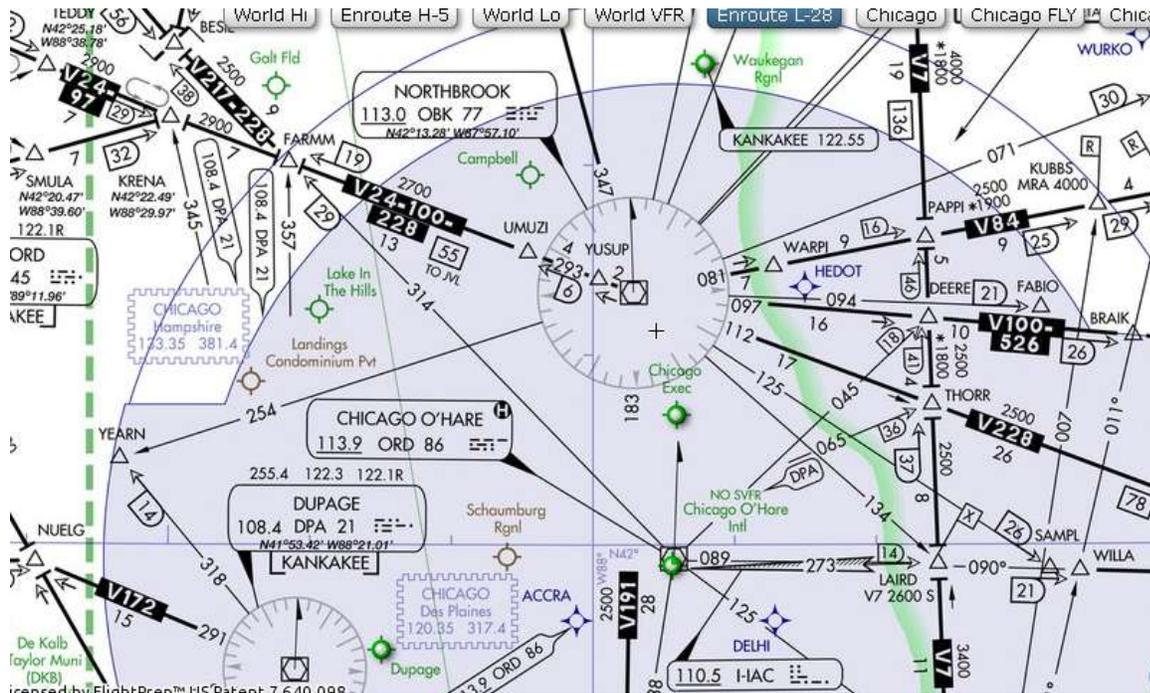


ENROUTE FLIGHTPLANS, NAVIGATION AND AERONAUTIC CHARTS (48 pts)

Use the attached IFR ENROUTE LOW ALTITUDE CHART FOR REGION AROUND CHICAGO O'HARE AIRPORT (and its Legend) to answer the following questions



1. (6 pts)

A VOR/DME is located at Chicago O' Hare.

 - a) What is the ICAO Identifier for the VOR/DME _____
 - b) What Frequency and Channel does the pilot tune to use the VOR/DME _____MHz____, Channel _____

2. (2 pts)

The 090 degree radial outbound from the Chicago O'Hare VOR along with a 21nm range from the Chicago O'Hare DME defines an intersection. What is the name of the intersection?

3. (2 pts)

The 089 degree radial outbound from the Chicago O'Hare VOR along with a 14nm range from the Chicago O'Hare DME defines an intersection. What is the name of the intersection?

4. (4pts)

The FARMM intersection is north-west of the Chicago O'Hare VOR/DME on the 314 degree radial outbound of the VOR and 29 nm range from the DME.

The FARMM intersection is located on which airway running approx. east-west?

The FARMM intersection is located on which airway running north-west - south-east)

5. (34pts)

MADISON VORTAC (MSN) is located north-west of the Chicago O'Hare VOR/DME (ORD)

a) List the sequence of intersections and nav aids flying the V217 and V228 airways from ORD to MSN. (6 pts)

ORD - _____ - _____ - _____ - - MSN

b) What is the distance between the intersections/nav aids (12 pts)

From: ORD _____ - To: _____ Distance = _____ nm

From: _____ - To: _____ Distance = _____ nm

From: _____ - To: _____ Distance = _____ nm

From: _____ - To: ___MSN___ Distance = _____ nm

c) What is the total distance between ORD and MSN flying V217 and V228? (2 pts)

_____ nm

d) V228 lists 10,000 feet and V217 lists 2200 feet as the Minimum Enroute Altitude (MEA). (6 pts)

In general, how should pilots use the MEA?

Given that there are no terrain or obstacles close to 10,000 in the mid-western United States (in the vicinity of the V228 airway), what other reason would there be to assign a MEA of 10,000 for V228?
