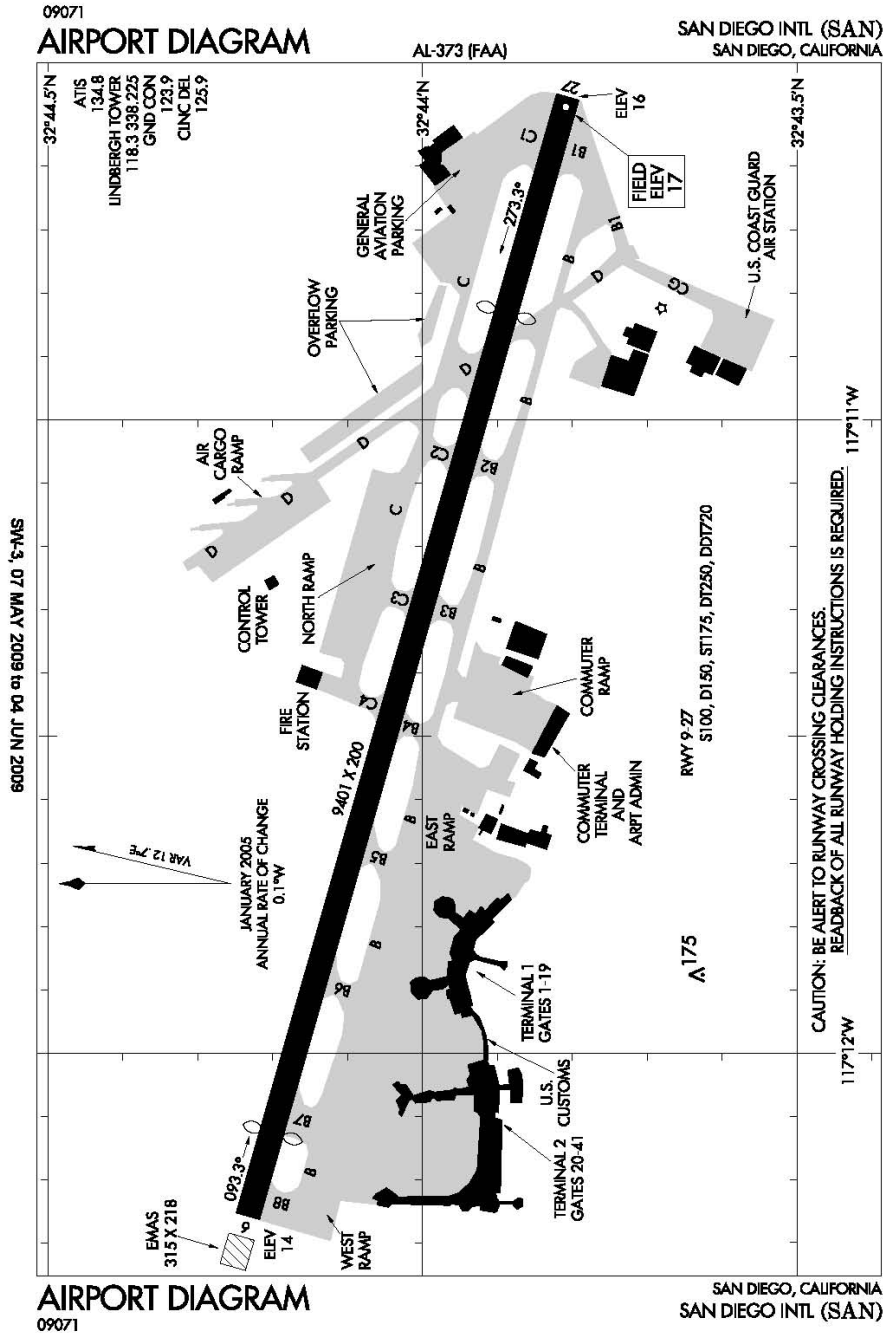


HOW TO READ AN AIRPORT DIAGRAM



1. What is the name of Airport _____
2. What is the ICAO Identifier for the Airport ____ _
3. What period of time is this airport diagram valid _____ to _____
4. How many Runways _____
5. What are the Runway Names _____
6. What is the Magnetic Heading of each Runway _____
7. What is the difference between Magnetic Heading and True Heading at this airport _____
8. How fast is Magnetic Heading changing at this airport _____
9. Locate and provide the approximate Latitude/Longitude for the following facilities:
 - a. Terminal 1 (Gates 1-19)
 - b. Terminal 2 (gates 20-41)
 - c. U.S. Customs
 - d. Commuter Terminal and Airport Administration Building
 - e. U.S. Coast Guard Air Station
 - f. Fire Station
 - g. Control Tower
 - h. Air Cargo Handling Building
 - i. General Aviation Building Ramp
10. Locate and provide approximate Latitude/Longitude for the center of the following movement areas:
 - a. West Ramp
 - b. East Ramp
 - c. Commuter Ramp
 - d. Coast Guard Air Station Ramp
 - e. North Ramp
 - f. Air Cargo Ramp
 - g. General Aviation Ramp
 - h. Overflow Parking Ramp
11. What is Field Elevation for the Airport _____
12. Runway 9 Characteristics
 - a. What is the Magnetic Heading _____
 - b. What is the Touchdown Zone Elevation _____
 - c. How long is the runway _____
 - d. How wide is the runway _____
13. Runway 27 Characteristics
 - a. What is the Magnetic Heading _____
 - b. What is the Touchdown Zone Elevation _____
 - c. How long is the runway _____
 - d. How wide is the runway _____

14. What Taxiways would an aircraft departing from Terminal 1 using Runway 9

15. What Taxiways would an aircraft departing from Air Cargo Ramp using Runway 9

16. What Taxiways would an aircraft arriving on Runway 27 and taxi-ing to the Air Cargo Ramp use

17. CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES. READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED (see right side of diagram)

- a. What problem is this caution trying to address

- b. Who is “reading back” to whom _____
- c. What are they reading back _____
- d. In which of the 3 taxi-way instruction scenarios in the previous questions (above) would this caution apply. Explain

18. At the end of Runway 29 there is an EMAS

- a. What does the acronym EMAS stand for

 - b. What does an EMAS do _____
 - c. How does it do it _____
 - d. Draw a force diagram to explain what an EMAS does

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