

## Capacity Coverage Charts Workbook

Read Chapter 10-4 (pages 400 – 408) and complete the following workbook

- 1) Describe the purpose of the Capacity Coverage Chart (CCC). (see 402 3<sup>rd</sup> para, 407 last para, 408 1<sup>st</sup> para)

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- 2) Identify the two main assumptions underlying the CCC.

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a) What percentage of time will flights experience delays

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b) What percentage of time will the runways go unused

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c) On average, how many flights will experience delays

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3-4) If capacity limits are used to limit the scheduled arrivals and departures to 60 movements per hour:

a) What percentage of time will flights experience delays

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b) What percentage of time will the runways go unused

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c) On average, how many flights will experience delays

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d) On average, how many movement slots will go unused

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e) What is best for the airlines, to over-schedule and have delays, or to under-schedule and have no delays but unused capacity. Explain.

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4) Explain the difference between an airport with a “flat” CCC and an airport with an “Uneven” CCC in terms of utilization, flight delays and predictable performance.

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5) How should runways be configured to ensure a “flat” CCC at airport located in a region with variable (direction) wind conditions

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