

**DEPARTMENT OF TRANSPORTATION
BUREAU OF TRANSPORTATION STATISTICS
OFFICE OF AIRLINE INFORMATION**

ACCOUNTING AND REPORTING DIRECTIVE

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Calculating Available Capacity

The Department collects and uses traffic, operational and capacity data reported on Schedules T-100 and T-100(f) to administer its aviation program responsibilities. In 49 U.S.C. section 41708 and 41709, the Secretary of Transportation is given the authority to require an air carrier or foreign air carrier to file annual, monthly, periodical and special reports concerning the movement of traffic, and the receipts and expenditures of money.

The following is the current explanation to calculate available capacity according to the *United States Code of Federal Regulations 14, PART 217 – REPORTING TRAFFIC STATISTICS BY FOREIGN AIR CARRIERS IN CIVILIAN SCHEDULED, CHARTER, AND NON-SCHEDULED SERVICES.*

U.S. CFR 14, **PART 217.5 – Instructions** – Form 41 Schedule T-100(f)

Available capacity is collected in kilograms.

It reflects the payload or total available capacity for any load applicable for the aircraft and for each segment.

To compute available payload for T100(f) traffic reporting purposes, the following formula should be used:

	Maximum Gross Take-Off Weight
<u>Minus</u>	Empty Weight of Aircraft (the standard empty weight [manufacturer's empty weight plus standard items] plus or minus weight of standard item variations)
<u>Minus</u>	Weight of Fuel
<u>Minus</u>	Weight of Necessary Operational Items (i.e. personnel, equipment and supplies necessary for a particular operation but not included in basic empty weight).
<u>Equals</u>	

Available Payload Capacity

This formula applies to each individual operation.

When reporting multiple nonstop operations available payload capacity should reflect the combined capacity for all operations reported in a given record.

To reduce error and misunderstandings with the above calculation please use the following formula:

For Passenger/cargo, (in the belly), carriers:

Available seats for sale multiplied by 90.91 kilograms or 200 pounds; (this includes the passenger's bags)

Plus

Available belly space for freight and/or mail in kilograms/pounds

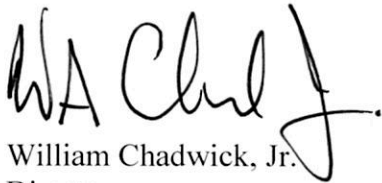
Equals

Available capacity/payload.

For all-cargo carriers:

Space available for sale for freight/mail multiplied by kilograms/pounds.

If you have any questions, please e-mail them to jennifer.rodes@dot.gov. This action was taken under authority delegated by 14 CFR Section 385.19(b).



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