	OPERATIONS MANUAL – Parte B Part B – OPERATIONAL ASPECTS OF AIRCRAFT TYPES CESSNA CITATION 510	Section 7
	7. Load	Revision 24
	Index	Page 4

SECTION 7: LOAD

7.1 Procedures





OPERATIONS MANUAL – Parte B
Part B – OPERATIONAL ASPECTS OF AIRCRAFT TYPES
CESSNA CITATION 510

7. Load
Index

Section 7

Revision 24

Page 2

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Clipper National Air S.A.



OPERATIONS MANUAL – Part B
Part B – OPERATIONAL ASPECTS OF AIRCRAFT TYPES
CESSNA CITATION 510

Section 7

Revision 24

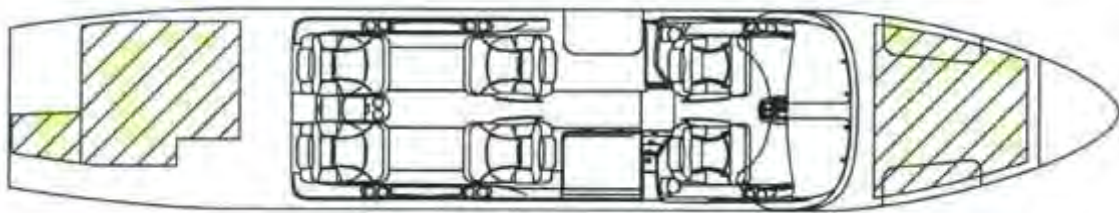
7. Load
 Procedures

Page 1

7.1 Procedures

A) SETUP DOORS AND HOLDS MAXIMUM WEIGHTS

The 510 has two depressurized and no-ventilated baggage as show on the attached Graph (OM chapter19)



With a load capacity of:

CAPACITY - U.S. UNITS

COMPARTMENT	VOLUME (CUBIC FEET)	WEIGHT (POUNDS)	ARM = FS (INCHES)	MOMENT/100 (INCH-POUNDS)
NOSE	18.50	320	120.10	384.32
MAIN TAILCONE	34.50	*300	356.33	1068.99
TAILCONE EXTENSION	3.30	40	392.91	157.16


CAUTION

*MAXIMUM ALLOWABLE COMBINED WEIGHT FOR THE MAIN TAILCONE AND TAILCONE EXTENSION IS 300 POUNDS.

The front hold has two equal access doors and the read one, its measurements are as follows:

U.S. UNITS (INCHES)			METRIC UNITS (MILLIMETERS)		
	HEIGHT	WIDTH		HEIGHT	WIDTH
NOSE	*16.70	27.00	NOSE	*424	686
TAILCONE	18.00	23.75	TAILCONE	457	603

(Baggage Door Dimensions)

	OPERATIONS MANUAL – Part B Part B – OPERATIONAL ASPECTS OF AIRCRAFT TYPES CESSNA CITATION 510	Section 7
	7. Load	Revision 33
	Procedures	Page 2

B) AIRCRAFT LOADING AND UNLOADING PROCEDURE AND SEQUENCE .

Loading procedure:

- Arriving luggage or cargo to the aircraft copilot will distribute according with the provisions of load sheet, checking weight. Starting with the front compartment. Once luggage/cargo placed and stowed, will be fixed using straps and tie-down available to avoid their displacement inside the holds and thus ensure its immobility.
Commander checks and sign the load sheet once copilot has informed if passengers's number is correct and the baggage/load is fixed and stowed in accordance with load sheet.

The copilot close the holds doors.

The cargo will be transported exclusively in the compartments designated for this purpose in the aircraft type certificate.

Download procedure:

- Once engines stopped and chocks placed, copilot will take baggage of holds delivery to handling.

Loading and unloading sequence.


- The loading of the aircraft will always start from the front hold and will be unloaded starting from the rear hold, in this way the stability of the aircraft is guaranteed.

C) Heavy and bulky loads and special goods, and clamping elements.

Due the holds characteristics (doors capacity and dimensions) is not possible transport heavy or bulky loads.

The maximum weight per package is not defined but should be easy manageable manually for the pilot that the loading and unloading.

In special loads case, animals must be properly caged in passengers cabin accompanied by their owners. Transport in aircraft hold of living beings is not possible due to fact that holds are unpressurized.

	OPERATIONS MANUAL – Part B Part B – OPERATIONAL ASPECTS OF AIRCRAFT TYPES CESSNA CITATION 510	Section 7
	7. Load	Revision 24
	Procedures	Page 3

Clamping elements:

Each hold has the tie-down points located on the floor and some straps of different lengths with mechanisms on the end of the device to immobilise the luggage/cargo transported.

D) Special considerations:

The cargo compartments of the aircraft are neither pressurized nor ventilated. they are not accesible from the cockpit and do not have a smoke detector.
 Due to their small size, they can only be used to transport passenger and crew suitcase and or small packages.



OPERATIONS MANUAL – Parte B
Part B – OPERATIONAL ASPECTS OF AIRCRAFT TYPES
CESSNA CITATION 510

7. Load
Procedures

Section 7

Revision 24

Page 4

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C.N.

Clipper National Air S.A.