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# SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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## FORM 6-K

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### Report of Foreign Issuer

Pursuant to Rule 13a-16 or 15d-16 of  
the Securities Exchange Act of 1934

Report on Form 6-K dated for the month of May, 2010

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### Copa Holdings, S.A.

(Translation of Registrant's Name Into English)

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**Boulevard Costa del Este, Avenida Principal y Avenida de la Rotonda**  
**Urbanización Costa del Este**  
**Complejo Business Park, Torre Norte**  
**Parque Lefevre**  
**Panama City, Panama**  
(Address of principal executive offices)

(Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.)

Form 20-F  Form 40-F

(Indicate by check whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.)

Yes  No

(If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b);82- \_\_\_\_\_)

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Enclosure: Press Release: **COPA HOLDINGS ANNOUNCES MONTHLY TRAFFIC STATISTICS FOR APRIL 2010**

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**COPA HOLDINGS ANNOUNCES MONTHLY TRAFFIC STATISTICS FOR APRIL 2010**

**Panamá, May 6, 2010** - Copa Holdings, S.A. (NYSE: CPA), and its Copa Airlines and Aero Republica operating subsidiaries, today released preliminary passenger traffic statistics for April 2010:

<b>Copa Holdings (Consolidated)</b>	<b>April 2010</b>	<b>April 2009</b>	<b>Change (%)</b>
ASM (mm) <sup>(1)</sup>	830.1	823.0	0.9%
RPM (mm) <sup>(2)</sup>	610.6	584.5	4.5%
Load Factor <sup>(3)</sup>	73.5%	71.0%	2.5 p.p.
<b>Copa Airlines</b>			
ASM (mm) <sup>(1)</sup>	703.5	689.3	2.1%
RPM (mm) <sup>(2)</sup>	530.0	500.8	5.8%
Load Factor <sup>(3)</sup>	75.3%	72.7%	2.7 p.p.
<b>Aero Republica</b>			
ASM (mm) <sup>(1)</sup>	126.7	133.7	-5.3%
RPM (mm) <sup>(2)</sup>	80.6	83.7	-3.7%
Load Factor <sup>(3)</sup>	63.6%	62.5%	1.1 p.p.

1. Available seat miles - represents the aircraft seating capacity multiplied by the number of miles the seats are flown.
2. Revenue passenger miles - represents the numbers of miles flown by revenue passengers
3. Load factor - represents the percentage of aircraft seating capacity that is actually utilized

For the month of April 2010, Copa Holdings' system-wide passenger traffic (RPM) increased 4.5%, while capacity (ASM) increased 0.9%. System load factor for April 2010 was 73.5%, a 2.5 percentage point increase when compared to April 2009.

Copa Airlines passenger traffic (RPM) for April 2010 increased 5.8%, while capacity (ASM) increased 2.1%. This resulted in a load factor of 75.3%, a 2.7 percentage point increase when compared to April 2009.

Aero Republica passenger traffic (RPM) for April 2010 decreased 3.7%, while capacity (ASM) decreased 5.3%. Load factor for the month reached 63.6%, a 1.1 percentage point increase when compared to April 2009.

*Copa Holdings, through its Copa Airlines and Aero Republica operating subsidiaries, is a leading Latin American provider of passenger and cargo services. Copa Airlines currently offers approximately 152 daily scheduled flights to 45 destinations in 24 countries in North, Central and South America and the Caribbean. In addition, Copa Airlines provides passengers with access to flights to more than 120 other international destinations through code share agreements with Continental Airlines and other airlines. Aero Republica provides service to 12 cities in Colombia as well as international connectivity with Copa Airlines' Hub of the Americas through flights from Barranquilla, Bogota, Bucaramanga, Cali, Cartagena, Medellin and Pereira. Additionally, Aero Republica has international flights from Colombia to Caracas, Guayaquil and Quito. For more information, visit [www.copaair.com](http://www.copaair.com).*

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## SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, hereunto duly authorized.

Copa Holdings, S.A.  
(Registrant)

Date: 05/06/2010

By: /s/ Victor Vial

Name: Victor Vial

Title: CFO

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