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Miguel A. Santos Instituto de Estudios Superiores de Administración, IESA Caracas, Venezuela miguel.santos@iesa.edu.ve Case study TELMEX and CANTV: Which is the appropriate discount rate?

TELMEX y CANTV: ¿cuál es la tasa de descuento apropiada?

### ABSTRACT

This case study presents a dilemma situation on how to determine the discount rate for cash flows in places where the country risk perceived by investors differs considerably from the country's sovereign debt premiums. Specifically, we present the case of TELMEX, the Mexican telecom corporation, valuing and presenting a bid offer for CANTV, the Venezuelan telecom corporation. Venezuelan capital markets and sovereign debt premiums have a lower correlation than those present in other Latin American and emerging markets. In this case and its study guide, we review the existing literature and propose a new and comprehensive methodology for the estimation of discount rates in the Venezuelan case, incorporating the difference in stock market volatilities into the country risk consideration. The proposed solution can be exported to other emerging markets with low correlations between their sovereign debt premiums and their internal capital markets.

*Key words*: discount rate, cost of capital, cost of equity, country risk premium, sovereign debt, Latin America, cash flow valuation.

This case study does not intend to make a value judgment on the acquisition offer made by Telmex for a block of Cantv shares, but, simply, to outline the Venezuelan situation as an investment scenario for an international company and to calculate the respective investment risk. The case is based strictly on public information. The name Alfredo Ramos, and the circumstances mentioned in this study are fictitious.

The authors thank Hector Ramos and Luis A. Grau for their assistance in research, as well as the judges of the IESA's Case Studies Contest.

### RESUMEN

Este caso de estudio presenta una situación de dilema en cómo determinar la tasa de descuento para flujos de caja en sitios donde el riesgo país percibido por los inversionistas difiere considerablemente de las primas de la deuda soberana del país. Específicamente, presentamos el caso de TELMEX, la corporación mexicana de telecomunicaciones, valorando y presentando una oferta para adquirir CANTV, la empresa venezolana de telecomunicaciones. El mercado de capitales y las primas de la deuda soberana de Venezuela tienen correlaciones más bajas que las que se encuentran en otros mercados latinoamericanos y emergentes. En este caso y su guía de estudio, nosotros revisamos la literatura existente y proponemos una metodología nueva y comprehensiva para la estimación de tasas de descuento en el caso venezolano, incorporando el diferencial en las volatilidades de los mercados de valores en la consideración del riesgo país. La solución propuesta puede ser exportada a otros mercados emergentes con correlaciones bajas entre sus primas de deuda soberana y sus mercados de capitales internos.

*Palabras clave*: tasa de descuento, costo de capital, rendimiento exigido, prima de riesgo país, deuda soberana, Latinoamérica, valoración de flujos de caja.

# 1. INTRODUCTION

Alfredo Ramos, CFO of Telmex-America Movil, early one April morning in 2006, began his day trying to quantify the risk of one of the most volatile countries in Latin America. He pondered on whether to apply the best known and widely used techniques to calculate discount rates in emerging markets, or comply with the demands of the Board of Directors of the company, which in his opinion were based more on the experience and intuition of its members.

Alfredo graduated as a Telecommunications Engineer from one of the most prestigious universities in Mexico, and in 1997 was among the first of his MBA class in Harvard. Since then, he has had a successful career as an executive in the investment area of one of the most powerful economic groups of the region, Telmex-America Movil in Mexico, competitor in the Latin American market of Telefonica, the Spanish giant telecommunications company.

Since the beginning of 2006, the group had been analyzing the possible acquisition of a block of shares (28.51%) of Cantv, the biggest telecommunications company in Venezuela. Verizon, a US company, was the owner of this block of shares.

Alfredo was not worried about the Cantv cash flow projection. His team had already prepared a detailed financial analysis of the Venezuelan company performance for the previous five years, and had also made a projection of the cash flow for the next five years. The report from his work-team included also the main conclusions from research reports that various important investment banks had drawn up on Cantv, as well as a comparison between internal projections and market consensus.

Alfredo's main concern lay on how to calculate the discount rate that he should recommend to the Telmex Board of Directors in order to evaluate the block of shares and proceed to make Verizon an offer.

# 2. THE INVESTMENT: CANTV<sup>1</sup>

Cantv is the main provider of telecommunications services in Venezuela. Its product range and services include various types of telecommunication interconnections, including long distance communication, national and international, public telephones, rural and mobiles, beepers, community communication centers, private networks, data transmission, information directories and different services of added value, throughout Venezuela.

Cantv was founded in 1930, when Felix Guerrero obtained a concession from the Venezuelan government to build and exploit a telephone network in the different states of the country. Progressively, Mr. Guerrero acquired different private telephone companies that operated throughout the country. In 1950, the Venezuelan government bought all the shares of the private companies operating in this sector and began a nationalization process, which was completed in 1973.

By 1990, Cantv presented numerous operating deficiencies and technological obsolescence, only satisfying 45.5% of demand, and with a telephone density of 7.2 lines per 100 inhabitants. Besides, it was facing a deficit of more than US\$ 1 billion. It was evident that Cantv needed a significant investment in order to modernize and equip the company; only possible if the 1973 nationalization was reverted.

Cantv was re-privatized in 1991, with 40% of the shares put out to international tender. As a result, in December of that same year, Venworld Telecom consortium acquired the block of shares submitted. This operation cost US\$1,885 million.

From that moment, Venworld assumed control of the Cantv operations under the terms set forth in the assignment agreement signed with the Republic of Venezuela. Among the consortium that comprised Venworld were: GTE – USA; Telefonica – Spain; Electricidad de Caracas – Venezuela; the Venezuelan group, Mercantil Servicios Financieros; and AT&T, the giant telecommunications company of the United States. The group was headed by GTE.

Assignment terms contemplated an initial period of 35 years, with an extension period of 20 additional years. It also established that Cantv would be the exclusive supplier of local as well as long distance (national and international) communication services until 2000. At the same time, the company undertook to accomplish goals of expansion and improvement in services, to be supervised by the regulatory organism of the sector in Venezuela, the National Telecommunications Commission (Conatel).

As a consequence of the total opening of telecommunications in Venezuela, in 2000, Cantv began a corporate integration process with its then affiliated companies: Movilnet

<sup>&</sup>lt;sup>1</sup> Source of information from the company: *http://www.cantv.com.ve*, and forms 6-K of the Securities and Exchange Comission (SEC) of the U.S.A.

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(Cellular telephones), Cantv.net (internet provider) and Caveguias (information services, printed and electronic directories). With these companies, Cantv formed a unique front to make use of operative synergies and offer clients integral solutions for their communications needs. In 2006, it was the leading provider of telecommunication services in Venezuela, with more than 3.1 million subscribers of fixed line telephones, more that 5.6 million of mobile lines (42% of the market), and more that 343,000 internet subscribers.

By February 2006, when Telmex was considering the investment in Cantv, the share composition had changed in relation to the privatization process in 1991. Verizon Communications Inc. was now the main shareholder with 28.5% of share capital. The Venezuelan State was among the other important shareholders with 6.6% of the total shares (Class B); employees, retired workers and employee retirement funds with 6.7% (Class C), while the remaining 58.2% were in the hands of the public through the Caracas Stock Exchange and ADRs in the NYSE.

Alfredo had asked his corporate finance team in Mexico to collect and process all available information on Canty, including the information provided by the company itself as well as by the investment bank reports on Canty. Appendices 1A, 1B and 1C (expressed in US-dollars) show the results of the analysis of the information collected from all the sources:

- a) Canty historical financial statements as at the annual close of 2005 (Appendix 1A)
- b) Projection of available cash flows, beginning with the year 2006 (Appendix 1B); and
- c) Evolution of share price, to date, in the Venezuelan securities market (Appendix 1C).

# 3. VENEZUELA: A SPECIAL CASE?

In 2006 the panorama in Venezuela seemed uncertain: the perspective of an electoral year, the favorable scenario of high oil prices, and the warnings of many analysts with respect to the excessive dependency of the economy on oil prices. In the elections scheduled to take place that year, President Hugo Chavez was postulating for reelection and was odds-on favorite. Hugo Chavez was first elected in December 1998, on a political platform named "Polo Patriótico", and a populist promise called "Revolución Bolivariana" in honor of Simon Bolívar, XIX century hero who achieved the independence of Venezuela and four other South American countries.

In 1998 Venezuela was a nation with a strong democratic tradition in Latin America, being the fourth biggest economy in the region, after Brazil, Mexico, and Argentina. A democratic system was established at the end of the fifties, which gradually passed to form a two-party system. During the first twenty years of this system (1958-1978) Venezuela achieved the highest economic growth per inhabitant at world level, and the alternation of power between the two main political parties occurred normally. To the contrary, the second period (1978-1998) registered one of the worst economic performances in the world, which resulted in a marked deterioration of the social situation. The end of this second period and of the two-party and bicameral political system that had prevailed for forty years, coincided with Hugo Chavez' being elected in December 1988. A year after, December 15, 1999, a new Constitution was

approved, concentrating more power in the central government and in the State in general. The balance of power between the National Executive and Parliament was being surrendered each time more to the figure of the President.

In 2006, after surviving many elections and eight years in power, the Chavez administration maintained its populist public policies, increased public expenses with low efficiency, and high oil prices. Oil represented 82% of Venezuelan exports, a source of 69% of the government current income, and constituted 18% of the GDP. During 2005 and 2006, oil prices had reached their all-time high in the last 25 years (in real terms), which contributed to a high level in Venezuela's international reserves, above US\$ 30 billion, combined with a low external debt in comparison to other Latin American economies.

Regarding volume of activity, the telecommunications sector experienced the highest growth in the Venezuelan economy at this time. By 1990 it represented 1% of GDP, but in 1999 it was over 6%, and in 2005 near 16%. The Telecom sector was classified as the third most important non-oil sector in Venezuela, after financial intermediation services (measured indirectly) and financial and insurance institutions that accounted for 29% and 24%, respectively.

Despite the oil bonanza, risk-rating agencies classified the Venezuelan sovereign debt as junk bond, among the worst in the region. However, the spread between the Venezuelan debt bonds and the equivalent US Treasury bonds was only 1.60%, after falling during the previous three years as oil prices increased and Hugo Chavez consolidated his political power. Appendix 2 shows the spread evolution of the Venezuelan sovereign bonds since 1991.

Interestingly, a junk-bond rating had coexisted for over two years with a very low spread for the Venezuelan sovereign bonds. Sovereign and corporate bonds with ratings similar to Venezuela, presented an average spread of 5.50%. It seemed as if risk-rating agencies and financial markets were operating at different frequencies.

Telmex did not find this same situation in Mexico or other countries where the group had recently made acquisitions, such as Brazil, Chile and Peru. Appendix 3 shows a summary comparing the Venezuelan situation, where Telmex would possibly invest, with Mexico. Additionally, Appendix 4 shows details of Telmex's acquisitions in Latin America.

### 4. WHICH IS THE ADEQUATE DISCOUNT RATE FOR CANTV?

During his career, Alfredo had interacted with world leading investment banks that advised Telmex in various acquisitions in Latin America. The valuation methodology in all those cases was based on estimating cash flows free of debt, discounting them using a weighted average cost of capital (WACC), and taking out net present value of debt. In the case of Cantv, none of the components of the formula represented an issue to Alfredo, except for one: the cost of capital. Moreover, Cantv had closed 1995 almost free of financial debt. Its debt-to-assets ratio was 1.43%. Due to this particularity, the cost of capital, the required return for an equity investment in Cantv, was almost identical to its WACC.

For estimating the cost of capital, the method most widely used, that not only Alfredo but also the Board of Directors of Telmex was more familiar with, was based on estimating the required rate of return for a similar investment in the US using the Capital Asset Pricing Model (CAPM), and adding up a country-risk premium.

$$\mathbf{R}_{i} = \mathbf{R}_{f} + \beta_{i} * (\mathbf{R}_{m} - \mathbf{R}_{f}) + spread$$

where:

- 1) R<sub>1</sub> is the rate of return adjusted in US dollars for the emerging country;
- 2) R<sub>f</sub> is the risk free rate in the United States, represented in US treasury bonds with a term similar to the investment;
- 3)  $\beta_i$  is the beta of comparable companies that are in the same business and have a mixture of similar products;
- 4)  $(R_m R_f)$  is the historical risk premium of the New York market (historically, between 7% and 8%); and
- 5) Spread (for country risk) is the differential in returns of sovereign debt bonds of the emerging country in question with respect to comparable long-term bonds of the US Treasury (Appendix 2 shows the evolution of this differential for Venezuela).

This procedure is similar to what Alfredo and his work team used when calculating the discount rate for investments in Mexico, or in emerging countries where they had participated. Formerly, this method had produced values acceptable to the Telmex management; with returns (in dollars) between 14% and 16% for investments in telecommunications in Mexico.

Based on all this experience, Alfredo proceeded to calculate the rate of a telecommunications project in Venezuela.

- 1) Risk-free performance of US treasury bonds (Bloomberg, T-5 3/802/2031) = 5.34%
- 2) Telecommunications sector beta (USA) = 1.20
- 3) Market premium (NYSE, Ibbotsson Associates) = 7.50%
- 4) Venezuelan sovereign debt spread (Appendix 2) = 1.60%
  - $R_i = 5.34\% + 1.20*(7.50\%) + 1.60\%$  $R_i = 15.94\%$

The Telmex-America Movil Board of Directors unanimously rejected this figure, no one was willing to run the risk of a capital investment in telecommunications in Venezuela in exchange for a 15.94% return. The majority of the members, all with wide financial experience in the region, alleged that the risk of investing in such a volatile economy were more in agreement with a "minimum" discount rate of 22%-24%. In the same meeting, one of the external directors suggested the possibility of "adjusting" Alfredo's calculations, based on the difference in the volatility of the Venezuelan capital market with respect to the US market. This "adjustment" would increase the rate to more "reasonable" values.

#### 5. AFTER THE BOARD MEETING: GET ON WITH THE WORK!

Alfredo Ramos was frankly disappointed after the meeting. The Board did not use any special formula to determine the rate of 22%-24%, which they demanded as a "minimum" for such an investment in Venezuela. It was simply a matter of experience and risk perception. He needed something more concrete to present his project and begin negotiations with Verizon. He knew that he could not go to the negotiation table with an evaluation of cash flow discounted with a rate that was pulled out like "a rabbit out of his hat". He must have a well reasoned support or, to the contrary, it would be difficult to negotiate. He was aware of other methodologies - alternative to CAPM - for estimating the cost of capital, but they were not widely used either by the market or by the Telmex-America Board. The sole idea of presenting a valuation using a different methodology was likely to inspire suspicion and engineer endless and increasingly theoretical discussions. Even though Alfredo knew about the limitations of CAPM to estimate the cost of capital, its popularity and use outweighed the criticisms.

His position was not an easy one. As the buyer, Telmex was interested in a higher discount rate. The seller, Verizon, was surely going to defend rate calculations based on the procedure traditionally used by investment banks. He needed to justify very well the rate he would use based on the reference range of 22%-24% that the Board requested.

In addition to justifying the desired rate, Alfredo Ramos had developed a keen intellect that made him pose the problem in the following terms: What is happening in Venezuela? What is different there? Why the formula widely used by investment banks is yielding results that are entirely rejected by the Board, while in other latitudes it did not give rise to such controversies? Why did it work then and not now? What had changed? How can such a high rate be justified when the sovereign debt spread is so low?

Based on the arguments used by the different members of the Board over the long discussion, Alfredo realized that he may need to incorporate into the analytical framework some additional factors. Besides taking into account sovereign risk, he would need to look at US and Venezuela market volatilities, differences in sensitivity of the telecommunications sector to overall market movements; degree of correlation between both countries; degree of correlation between domestic equity market and sovereign debt.

He decided to get his investment management team together in the Telmex complex in Mexico City, and asked them to gather information related to all these aspects for Venezuela. A week later he received a report with the following data:

- 1) The Venezuelan sovereign debt spread with respect to the United States had fallen 914 basis points in the last 36 months, and —at the date of the report— it registered a historic low of 1.597% (Appendix 2).
- 2) The Mexican debt spread was similar to Venezuela's (1.562%).
- 3) In 2005, the Caracas Stock Exchange (BVC) registered the worst performance of the emerging markets, with a fall in US dollars of 38.6% (Appendix 5).
- 4) The correlation between the Venezuelan sovereign debt bonds and the Caracas Stock Exchange BVC Index was 59.37% over the last 10 years (Appendix 6).

- 5) Nevertheless, there were two periods clearly differentiated: from 1997 to 2000 the correlation between the Venezuelan sovereign debt and the Caracas Stock Exchange was 74.59%, while in the period 2001-February 2006, it was only 34.69% (Appendix 6).
- 6) At the close of 2005, the average price-earning (P/E) ratio of the BVC (7.22) was still 60.39%, below what the S&P500 index (18.23) registered (Appendix 7).
- 7) The Caracas Stock Exchange P/E ratio showed high discounts on being compared not only to the United States (S&P500), but also with the other stock exchanges in Latin America (Appendix 8).
- 8) The correlation between the S&P500 and the BVC indices remained stable throughout the last 10 years (31%) (Appendix 9).
- 9) Volatility ( $\sigma$ ) of the Venezuelan market was 11.73%, compared to 4.25% in the US.
- 10)CANTV displays a sensitivity (beta) to the Venezuelan domestic market estimated at 0.93
- 11) The BVC volatility in the last 10 years had been almost three times higher than that of the S&P500 index ( $\sigma_{VEN}/\sigma_{USA} = 2.76$ ) (Appendix 9).
- 12)In Mexico, as well as in other places where Telmex had recently invested, a high correlation between the movements of the local securities market and sovereign external debt bonds is observed: between 67.6% (Mexico) and 79.6% (Brazil); these values strongly contrast with the 35.7% that Venezuela had since 2001 (Appendix 10 shows the correlation in Brazil; Appendix 11 in Mexico; Appendix 6 in Venezuela).

Alfredo was intrigued with various aspects of the information collected. There was a contrast as to how the Venezuelan sovereign debt had such a low correlation (34.7%) with respect to the stock market (BVC) between 2001 and 2006, especially when compared to the correlation prior to 2001 in Venezuela, or with the correlation for the last 10 years in the Mexican or Brazilian markets. Was it that as from 2001 the most used formula to estimate discount rates in emerging markets —formula that add the sovereign debt spread to comparable performance in the USA— was no longer applicable in Venezuela? Had it lost effect since the risk to invest in the Venezuelan private sector had been separated from sovereign risk? Discounts in the P/E ratio at which assets in the country were negotiated indicated much higher levels of private risk than sovereign risk.

Another aspect that attracted his attention was that even when the spreads of the Mexican and Venezuelan sovereign debts were similar, the return rates that the Board of Directors wanted for the latter were much higher that what they requested from the former. What seemed clear to Alfredo was that he should incorporate, somehow, the volatility of the Venezuelan securities market to the discount rate estimate. This view also had its inconveniences. The Caracas Stock Exchange listed very few companies; therefore, it could not be considered representative of the spectrum of the private sector economic activity in Venezuela. Its diminutive size and corresponding few transactions contributed to the higher volatility that, in comparative terms, the market presented.

Alfredo Ramos had full confidence in his team's work on evaluating the projection of the Cantv cash flow. He also felt respect for the experience and "guts" of the members of the Board

with respect to determining the "minimum" required rate of return for Venezuelan investments. But the resulting values for discounting those flows (current net value), as per the formula used, presented a wide range of variation. He only had 10 days to present to the Board a return on equity estimation that suited their risk perception while at the same time using the estimation methods they were more acquainted with. That estimation would have to be strongly supported by market facts for Alfredo to be able to defend it in the negotiation with Verizon.

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Recepción del artículo: 06/04/2009 Envío evaluación a autores: 05/07/2009 Recepción correcciones: 07/08/2009 Aceptación artículo: 04/09/2009

	as	s of end c	of each ye	ear.			
Balance Sheet	1999	2000	2001	2002	2003	2004	2005
Asset							
Cash	498,394	826,948	397,724	322,248	445,081	517,190	510,990
Credit sales (Short term (ST)	627,707	643,474	486,662	336,495	271,511	247,348	319,553
Notes receivables (ST)	186,971	0	129,153	59,700	87,866	94,795	87,486
Inventories	66,949	47,591	43,128	36,943	45,856	136,519	145,235
Other assets (ST)	19,124	19,980	15,182	9,414	31,709	24,542	29,094
Total current assets	1,399,145	1,537,993	1,071,849	764,800	882,023	1,020,394	1,092,358
Fixed assets	4,807,824	4,650,092	4,119,842	2,590,463	2,336,467	2,121,721	1,620,029
Other assets	480,728	445,831	470,604	374,446	333,633	300,422	678,362
Total assets	6,687,697	6,633,916	5,662,295	3,729,709	3,552,123	3,442,537	3,390,749
Liabilities							
Financial debts (ST)	82,562	79,300	175,600	52,562	125,042	88,336	19,066
Accounts payable (ST)	424,288	393,636	343,244	270,714	254,490	389,270	540,270
Dividends payable (ST)	0	0	0	171,118	0	12,275	0
Taxes payable (ST)	0	0	0	0	0	72,663	35,978
Wages & social benefits (ST)	65,604	232,910	112,084	56,235	95,214	91,136	205,181
Other Liabilities (ST)	267,505	408,922	618,203	240,331	250,880	160,553	219,517
Current liabilities	839,959	1,114,768	1,249,131	790,960	725,626	814,233	1,020,012
Financial debts (Long Term – LT)	526,951	487,846	300,927	235,967	115,048	48,353	29,460
Provision for social benefits	504,943	494,299	521,095	312,255	402,438	365,573	572,170
Contingency provision	0	0	0	0	0	63,657	62,564
Minority interest	0	0	0	1,671	1,710	2,327	1,711
Total liabilities	1,871,853	2,096,913	2,071,153	1,340,853	1,244,822	1,294,143	1,685,917
Shareholders' equity	1,980,017	4,537,003	3,591,142	1,417,853	1,580,013	1,335,430	1,000,604
Paid up capital surplus	24,653	0	0	19,036	21,214	21,069	15,372
Capital reserve	198,243	0	0	153,080	170,588	133,543	100,060
Stock sale overpricing	0	0	0	-211,282	-235,449	0	0
Reserves – various	42,956	0	0	49,756	-3,900	-10,123	-38,012
Retained earnings	2,569.975	0	0	960,413	774,835	668,565	626,808
Net equity	4,815,844	4,537,003	3,591,142	2,388,856	2,307,301	2,148,394	1,704,832

Appendix 1 A) Canty - Consolidated Financial Statements, in thousands of dollars, as of end of each year.

(Continued)

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Liabilities and Net Equity	6,687,697	6,633,916	5,662,295	3,729,709	3,552,123	3,442,537	3,390,749
Statement of Income							
Operating Income	2,646,402	2,607,876	3,011,908	1,909,411	1,994,544	2,138,866	2,366,694
(-) Cost of sales	-2,428,057	-2,578,355	-2,818,115	-1,831,610	-1,919,278	-1,952,365	-2,406,768
Operating income EBIT	218,345	29,521	193,793	77,801	75,266	186,501	-40,074
Financing expenses	-65,660	-44,412	-16,107	-11,867	-10,303	13,152	42,336
Other income (expenditures)	5,984	-5,469	-16,537	-5,219	-23,783	8,510	0
Earnings before tax EBT	158,669	-20,360	161,149	60,715	41,180	208,163	2,262
Tax on earnings	21,061	50,630	56,760	16,736	22,245	47,496	-97,463
After tax net income	137.607	-70,990	104,389	43,979	18,935	160,667	99,725

# Appendix 1 A) Canty - Consolidated Financial Statements, in thousands of dollars, as of end of each year.

Source: Economatica database, www.economatica.com.

B) Canty - Cash Flow Projection	B) Cantv -	Flow Projection	<i>l</i> .
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			Estima	ted projec	ctions		
Currency (in millions) Year: as at December 31 of each year	US\$ 2004	US\$ 2005	US\$ 2006	US\$ 2007	US\$ 2008	US\$ 2009	US\$ 2010
Operating activities							
Net income		100	221	337	486	645	889
Adjustments to reconcile income to net cash:							
Loss (gain) on net monetary position	13	-15	9	10	11	13	17
Net Loss (gain) on exchange	-3	-15	9	10	11	13	17
Gains on investment sales		0	0	0	0	0	0
Depreciation and amortization		385	545	576	521	486	470
Provision for uncollectible	46	16	42	47	55	67	85
Provision for inventory obsolescence	25	-	34	53	76	101	139
Provision for legal contingencies	57	32	79	120	173	230	317
Changes in current assets and liabilities	5	116	5	5	5	5	5
Changes in non-current assets and liabilities	-5	-91	-5	8	7	-6	7
Net cash from operating activities		528	939	1,166	1,345	1,554	1,946
Investment activities							
Software acquisitions (net)	-32	-66	-41	-34	-28	-16	-14
Capital investment expenditure (net)	-247	-380	-413	-356	-296	-262	-250
Net cash from investment activities	-279	-446	-454	-390	-324	-278	-264
Free cash flow	513	82	485	776	1,021	1,276	1,682

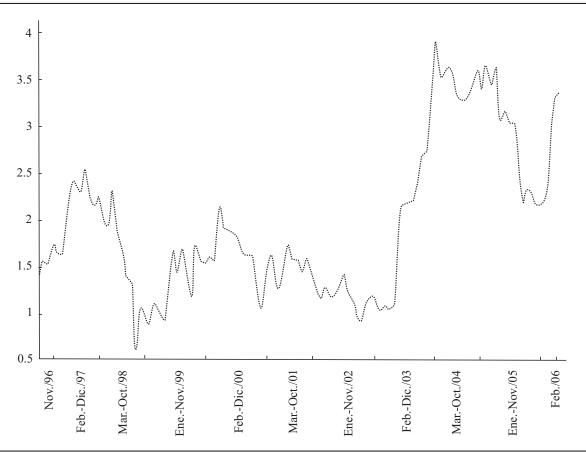
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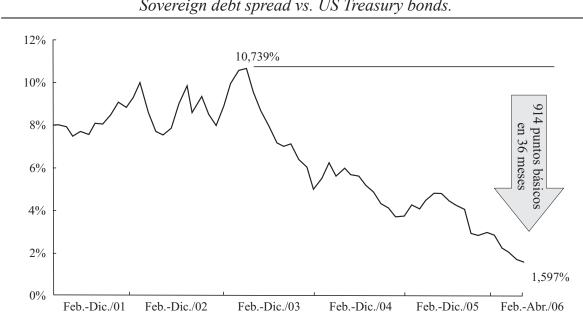
	Append						
B) Canty - Cash Flow Projection.							
Financing activities							
Funds from indebtedness		32	5	13	21	10	6
Debt payments	-121	-131	-25	-10	-5	-4	-2
Payments of dividends	-232	-193	-289	-481	-603	-745	-1,022
Purchase of Employee fund shares	2	-1	-2	-2	-2	0	1
Financing net cash	-351	-293	-311	-480	-589	-739	-1,017
Available cash	162	-211	174	296	432	537	665

Annendix 1

Sources: (i) Burkenroad Reports Latin America (2005). Cantv June 2005. Instituto de Estudios Superiores de Administración (IESA). Caracas - Venezuela. (ii) Cantv (2006). Fourth Quarter Results 2005 and Guidance 2006. (iii) Cantv Investor Relations. Caracas - Venezuela. (iv) Own calculations.



C) Price of Cantv share in US\$ - Caracas Stock Exchange.



**Appendix 2** *Sovereign debt spread vs. US Treasury bonds.* 

Source: Bloomberg, own calculations, www.bloomberg.com.

#### Appendix 3

Comparison:	Venezuela and	México.
Venezuela		Mex

	Venezuela	Mexico
Political system	Has a democratic and participative political sys-	Has a democratic and representative poli-
	tem. On December 15, 1999 the approval of a new	tical system. The Partido Revolucionario
	constitution granted the central government and the	Institucional (PRI) governed, without
	State greater power. The balance of power between	interruption, for 70 years until 2000 when
	the Executive and the National Assembly tends to	Mr. Vicente Fox, candidate for the center
	rest with the President. Traditionally, the main poli-	right-wing party PAN, won the presiden-
	tical parties (Acción Democrática and Copei) were	cy. Recently, another candidate for PAN,
	centrist. From 1998, Mr. Hugo Chávez, from the	Felipe Calderón, won the elections by a
	left-wing Polo Patriótico, assumed the predominant	very close margin over Lopez Obrador,
	role of domestic policy and the traditional parties	left-wing candidate for the PRD party.
	have lost importance.	
Economy	The oil industry has been the main source of pu-	Mexico has a free market economy; go-
	blic revenue and a generator of foreign currency.	vernment participation has been reducing
	Consequently, domestic economy is highly linked	quickly giving way to the private sector.
	to oil price fluctuations. In 2000, the oil industry	Over a third of State income originates
	represented more than 28% of GDP, 82% of exports	from the oil sector. Due to its proximity to
	total value and, approximately, 69% of governmental	the United States, and the free trade agre-
	current revenues. Since 2003, there has been a fixed	ements signed with both this country and
	exchange rate.	Canada, the Mexican economy is subject
		to the US economic cycles
		(Continued)

(Continued)

	Venezuela	Mexico
Telecommuni- cations sector	Telecommunications is the non-oil sector with the most significant growth in the Venezuelan economy. Although in 1990 it represented less than 1% of the GDP, two years later its contribution was 1.7%; in 1995, it reached 4.4% and in 1999, over 6%. By 2005, it was approximately 16.2%, occupying the third position in the non-oil sector, preceded by financial intermediation services (measured indirectly) and financial and insurance institutions, representing 29.1% and 24%, respectively	Due to the privatization of Telmex and the opening of the telecommunications sector to national and international companies in the middle of the 1990s, this sector has been achieving significant growth, not only in clients and diversity of products, but also in its participation in the country's economy, whose GDP passed from less than 3% (1994) to more than 9% (2004).
Foreign investments	The present government has abandoned its policies to promote new foreign investment, and has instead proceeded to restrict foreign companies' operations, especially those in the oil sector. There is a new wave of "statization" or state capitalism, with more state intervention in the economic activity.	Government promotes foreign investment. The United States has more than 65% of the direct foreign investment in the country. Substantial reduction in fees has improved the investment environment in Mexico.
Legal and regulatory system	The legal system originates from the Roman system and is, therefore, based on a civil code. The courts have a limited role in interpreting the law and there is a lack of transparency in the administration of justice, which increases the cost of doing business. For July 2006, the new Law for the Promotion and Motivation of Competition was under discussion. With respect to patents and intellectual property, Venezuela has the most advanced protection system in the world, but it is lacking in its application.	The legal system originates from the Roman system and is, therefore, based on a civil code. Judicial processes tend to be slow and there is a high level of impunity, especially in cases of drug trafficking and kidnapping. The Federal Competition Commission is responsible for promoting competition and penalizing monopoly practices. Far-reaching economic deregu- lation policies have been implemented to promote competition.
Taxes	Corporate taxes on non-oil activities have been re- duced from 50% to 34%; besides, tax on dividends has been eliminated and other formalities have been simplified. Individuals have been levied with a progressive tax ranging from 6% to 34%. VAT was reduced to 14% in August 2005.	Corporate tax rate is 35%. Resident taxes are gradual and at a maximum marginal rate of 35%. Non-residents pay taxes only on their sources of income from Mexico, at a rate of 30%. Residents and non-residents capital gains are subject to special regulations.

# **Appendix 3** *Comparison: Venezuela and México.*

**Appendix 4** *The Telmex-América Móvil Group acquisitions in Latin America.* 

Company	Country	Amount	Date	Comments
TIM Peru	Peru	US\$ 512 million	August 2005	In August 2005, América Móvil S.A. de C.V. bought 100% of the TIM Peru operations, a company controlled by Telecom Italia Mobile S.p.A. Since then, with the name América Móvil Peru, it operates under the trade- mark "Claro", giving coverage to 24 departments of this Andean nation. When it was bought over, the company had a portfolio of more than 1.4 million clients and had attained a 31% participation in the Peruvian market.
				(Continued)

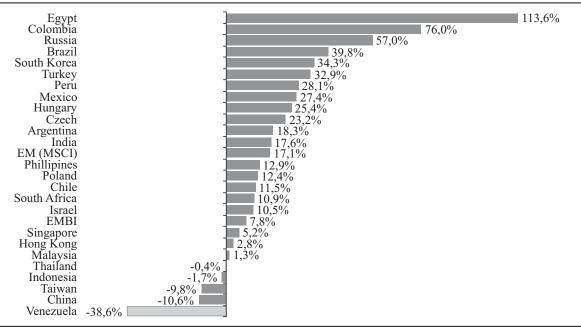
Company	Country	Amount	Date	Comments
Smartcom	Chile	US\$ 472 million	August 2005	In August 2005, América Móvil S.A. de C.V. acquired 100% of the Chilean Operating company Smartcom S.A. ("Smartcom") from the Spanish company Endesa Participadas S.A.; Smartcom provides Chile with mobile and added value telephone services at national level. At the close of June 2006, the company had approximately 1.7 million cellular telephone subscribers.
Embratel	Brazil	US\$ 628 million	August 2004	In 2004, the Mexican group Telmex acquired 100% of Embratel, Brazil.

Appendix 4 The Telmex-América Móvil Group acquisitions in Latin America.

Sources: Available online: http://www.americamovil.com/ (Consulted: July 12, 2006). "The Telecom King of Latin America?". Business Week Magazine, March 29, 2004. Available online: http://www.businessweek.com/ magazine/content/04 13/b3876093 mz057.htm. (Consulted: July 12, 2006).

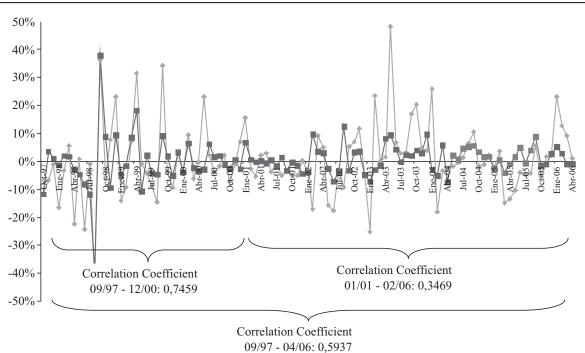
# Appendix 5

Performance of stock markets in emerging countries (Percentage in change between December 31, 2004 and December 31, 2005.

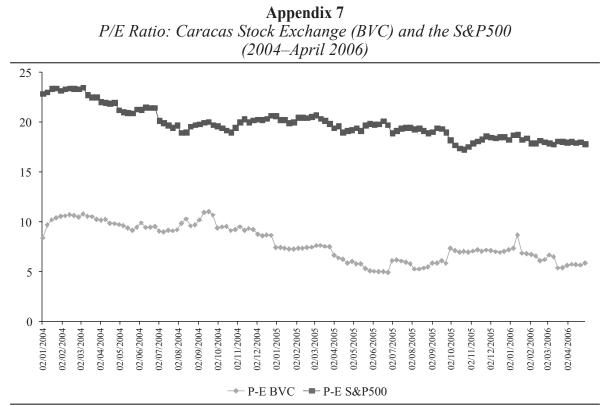


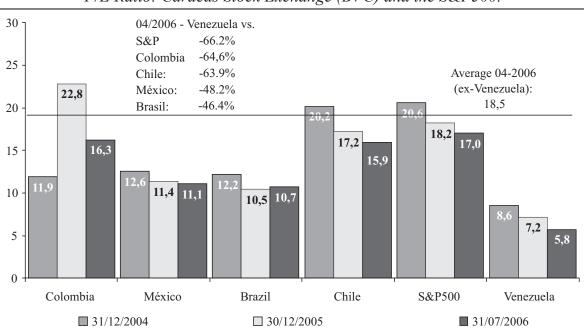
Source: Bloomberg, www.bloomberg.com.

Appendix 6 Monthly price variation: Global 2027 and Caracas Stock Exchange Index (IBVC), in percentage.

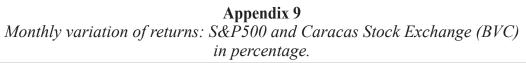


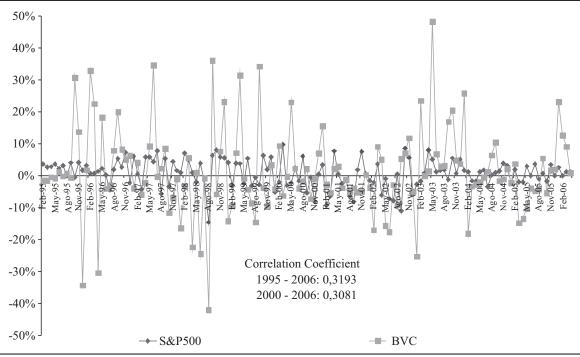
Source: Bloomberg, own calculations, www.bloomberg.com.





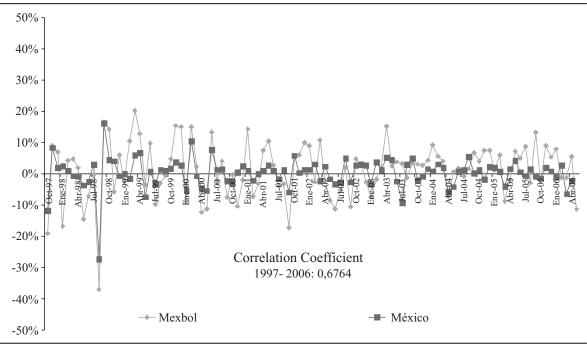
**Appendix 8** *P/E Ratio: Caracas Stock Exchange (BVC) and the S&P500.* 





Source: Bloomberg, own calculations, www.bloomberg.com.

Appendix 10 Monthly variation of returns: Mexico 2026 and Mexbol (Mexico Stock Exchange) in percentage (Sept. 1997–April 2006).



Source: Bloomberg, own calculations, www.bloomberg.com.

Appendix 11 Monthly variation of returns: Brazil 2023 and Bovespa (Sao Paolo Stock Exchange) in percentage (Jan. 2000–April 2006)

