



MARKET BRIEFS

**Executive summaries of market trends and opportunities
in key market segments and regions worldwide**

Latin America Highlights



- With 130 platforms across 18 countries covered in the Latin America Pay TV Operator Forecasts report, 25 operators will collectively generate 88% of Latin American pay TV subscribers by end-2016 – again this share will be maintained until the end of the forecast period. The regional pay TV subscriber total will climb from 72.02 million by end-2016 to 83.56 million by 2021.
- Nearly a fifth of Latin America's TV households will pay for an SVOD [subscription video on demand] package by 2021, up from 10.9% by end-2016.

Latin American Satellite Market Update

by **Bernardo Schneiderman**

The economic outlook for Latin America according to a report by the International Monetary Fund (IMF) describes the global recovery as continuing to struggle to gain its footing. Growth in Latin America and the Caribbean is expected to be negative for the second consecutive year in 2016. The regional recession masks the fact that most countries continue to grow, modestly but surely, with the contraction driven by develop-



Despite a downturn in the Latin American economies, Direct-to-Home (DTH) and other satellite services are growing at a modest pace.

ments in a few others. While the external environment has had a differentiated impact on the region with South America heavily affected by the decline in commodity prices and Mexico, Central America, and the Caribbean benefiting from the U.S. recovery and, in most cases, lower oil prices disparities in growth performance also reflect domestic factors.

Recent events in Latin America show how the global economic slowdown is affecting the market. From the point of view of key executives of the main satellite operators operating in the region, the recession in 2015 and the continuation of the unfavorable economic environment in 2016 do not affect the long-term plans of the operators or the revision of investment plans, but there is an immediate concern with costs in dollar and the effects of the downturn on customers.

"This is an industry that does not work in short-term cycles and decisions are made with a very long term planning. We see a still strong demand especially in the video market and a lot still need to be defined," said Jurandir Pitsch, SES, during the Latin American Congress of Satellites, held in Rio de Janeiro, Brazil. Lincoln Oliveira, Embratel's Star One operator mentioned, another component that needs to be considered beyond the crisis is the entry of new competitors arriving with more aggressive pricing strategies, but he said the fact that Star One be linked to a large group size which operates in several areas

helps give strength to business. "We are strong because of our customers and to have a great Telecom operator behind," he said (Star One is the satellite operating arm of Embratel, which in turn is part of the America Movil-Mexican group).

Mauro Wajnberg of Telesat Brasil said that Brazil is still at a very poor overall stage in telecom infrastructure and this helps to give stability to the business in the satellite sector. "In recent years, we have experienced a very rapid cycle of expansion, but the infrastructure is still insufficient," he said.

Some satellite operators, however, emphasize the importance of a new commercial and strategic approach, working with new business proposals and new services. For Márcio Brazil of Intel-sat, the time for

the industry is good despite the crisis, but he points out that the new technologies of high-capacity satellite (HTS) and broadcast spot beams also changed the way of providing the service. "With the change in traffic volume, we have to think about more performance, more flexibility and accessibility," he said.

Rodrigo Campos, Eutelsat, the big step that is being given by the satellite companies today is toward more flexible models of service delivery. It also highlights the opportunity that the economic downturn brings that seek a more adequate planning of companies.

Sergio Chaves of Hispamar, the Latin American subsidiary of Spain-based Hispasat, underscores the fact that operators now have a large presence in Latin America, and that the performance of markets are different and end up paying off. "When we started, 90% of our revenues were in Eu-

rope, and today 70% of them are in Latin America," he said, referring to the numbers of Hispasat, parent of Hispamar. According to him, the crisis has a delayed impact on satellite companies because of long-term contracts.

Chaves emphasizes the importance of satellites in the development of public policies. "Today we see several Latin American countries using satellites to public policy for TV and broadband in underserved areas. The satellite's social role is very important.

Elena Pisonero, President of Hispasat, said that the satellite operator is now more American than European during the Latin American Congress of

and it is important to set priorities in times of crisis. what we have seen is that many governments in the region, such as Mexico, Colombia and Chile, as well as Brazil, have placed digital inclusion as a basis for economic growth and social inclusion.

Jurandis Pitsch of SES mentioned "There is also intense competition from new entrants and won the ones that provide the more efficient technology, which avoids rise the cost for customers." But he believes that some operators can review the long-term plans that are being drawn now, and among the possible satellite sector customers, the DTH operator can be particularly affected in the long run.

On the future prospects of the satellite industry in the region, especially with the

introduction of new technologies such as the constellations of Low Earth Orbit (LEO) satellites and Ka-band services, there is a mixture of excitement and skepticism among operators.

For SES, the model of medium earth orbit satellites (MEO) and LEO is promising, so much so that the company is one of the investors in O3b, which operates a constellation of MEO satellites. But for Jurandir Pitsch, the early experience of O3b shows that often the technology takes a little longer to get the parameters needed for a sustainable business plan than initially projected. "The O3b took seven years to get on the air. I think oneweb may be overestimating the ability to get to market on schedule, and a lot can happen there," said Pitsch. Lincoln Oliveira said: "Today the technology to launch tens and hundreds of satellites of these projects is the same as used for geostationary satellites. It is important that

| Top five Latin American pay TV operators by subscribers (000) | | | | | | | |
|---|---------------------------|--------------|--------|---------|---------------------------|--------------|--------|
| Ranking | Operator | Country | 2016 | Ranking | Operator | Country | 2021 |
| 1 | DirecTV Latin America/Sky | Pan-regional | 20,221 | 1 | DirecTV Latin America/Sky | Pan-regional | 23,286 |
| 2 | Claro | Pan-regional | 15,209 | 2 | Claro | Pan-regional | 17,719 |
| 3 | Telefonica/Movistar | Pan-regional | 4,814 | 3 | Telefonica/Movistar | Pan-regional | 6,501 |
| 4 | Televisa Cable | Mexico | 4,294 | 4 | Cablevision | Argentina | 3,832 |
| 5 | Cablevision | Argentina | 3,417 | 5 | Dish | Mexico | 3,662 |

Source: Digital TV Research. Note: paying subscribers only

Satellites "The economic situation in Brazil is not good, but we have been here in Europe and we know that the crisis will pass. Brazil was and is a long-term bet, we are 15 years' operating in the country and the investment in satellite infrastructure is strategic," said Elena, noting that in the last auction of Brazilian orbital positions Hispamar (joint venture of Hispasat and Oi) acquired two new exploration rights. In Elena's view, the Ka band is great expectation for the future. "We were the first to bring the Ka band for Latin America with the launch of Amazonas 3, we are building the Amazon 5 to launch in the first quarter of 2017 and we still have the Hispasat 1F, also with Ka band in Latin America". "We could say that the Amazon 5 is too large for Latin America (it has 34 spot beams in Ka band), but we believe that demand will be strong. For large countries like Brazil the satellite will always be rele-

this technology moves too, but I think these projects can contribute to the evolution of the general industry."

DTH

With the availability of new HD channels in Europe and North America and expanding business in emerging markets, the operator SES satellites have registered an increase of 11.3% in the number of channels TV in 2015. There were 7,268 channels in total, with 2,900 only in emerging (Latin America, Asia Pacific, Middle East and Africa) an annual growth of 25%. Alone, the Latin American market contributed total of 780 channels, 190 of them in HD.

SES says the last three years, the number of channels in the satellite business has grown at an average rate of 9%. Considering only the channels in high definition, the increase was 15% in the same period. In a statement, the carrier said it expects further growth in HD channels and increase commercial offers in Ultra HD (4K), "in the coming years."

VSAT Market

One of the major developments in the Latin American satellite market concerns Hughes in Brazil. With more than 1.3 million broadband subscribers via satellite using the Ka band in the United States, Hughes launched the service for the residential market in Brazil in July 2016, when the satellite Eutelsat 65 West A was released into operation. Last April 2014 Hughes announced the purchase of all the Ka-band capacity in Eutelsat Satellite positioned at 65W dedicated to Brazil, covering about 4000 municipalities. "Our strategy in Brazil is very clear for the next ten years. The Ka band is a project that will happen, regardless of the dollar and the crisis. All Eutelsat capacity (the 65WA) for the next 15 years has been bought and paid by Hughes in Brazil and with this first satellite with 25 Gbps capacity, "says the CEO of

Hughes Brazil, Delio Morais.

But Hughes's plans for the Ka band in Brazil will go over after 2020. "For a second phase, Hughes already bought the payload in Ka-band satellite with other coverage in Brazil he could not reveal, but which will be released in 2018 and extend our coverage to 4,800 municipalities. And in 2019, 2020, which is when the fleet oneweb goes into operation, we will cover full coverage in Brazil, "said Morais. In addition to shareholder oneweb, Hughes will market 50% of the operator's broadband capacity to Brazil, said the executive during the Latin American Congress of Satellites last October in Rio de Janeiro. Brazil. The executive said the broadband package for simpler Ka band will be a 10 Mbps connection with 20GB franchise in normal time and 40 GB on-peak hours, but did not disclose the price.

Inflight Connectivity

Another market segment that has promising potential in the region is inflight connectivity. The communications market loaded on aircraft promises strong growth in Brazil and Latin America, according to analysis by experts during the Latin American Satellite Congress last October. The expectation is that in Latin America this market represents about US\$ 430 million with growth forecast, unlike developed markets like the US, where most of the market is taken. According to Anand Chari, CTO of Gogo, a leading provider of Inflight services in the world, the great revolution in this market is the evolution of antenna technologies and broadband satellite, which has enabled faster and cheaper connections. The Gogo can already offer today with the

technology called 2Ku (one Ku-band dual antenna) 100 Mbps on board. One of the company's customers is GOL Brazilian Airlines, which launched the services last quarter of 2016. According to Chari, Gogo is working with the GOL Brazilian Airlines engineering to pass the certification and approval of Anatel (Brazil Telecom Regulatory equivalent of FCC) and ANAC (National Civil Aviation Agency). "The whole process of design and approval of the first aircraft takes about a year, but after the first the process accelerates," he explained. In addition to Gol, Azul, Latam and Avianca also prepared broadband releases and embedded telephony, according to satellite operators who have participated in the RFPs with system integrators.

SVOD

Nearly a fifth of Latin America's TV households will pay for an SVOD [subscription video on demand] package by 2021, up from 10.9% by end-2016. Mexico (28.3%), Chile (23.9%) and Argentina (23.5%) will have the highest penetration rates by 2021. However, penetration will only be 12.0% in Venezuela by 2021 – reflecting the country's economic and political woes. The Latin America SVOD Forecasts report (covering 18 countries) estimates 31.81 million SVOD subscribers by 2021, up from 12.19 million in 2015. Simon Murray, Principal Analyst at Digital TV Research, said: "Brazil will account for 36% of the region's SVOD subs by 2021, with Mexico bringing in a further 26%. So, these two heavyweights will contribute nearly two-thirds of the SVOD subs by 2021.



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