

SMi, the Organisers of Global MilSatCom, present:

MilSatCom Latin America

27 - 28
AUGUST
2014

ROYAL TULIP HOTEL, RIO DE JANEIRO, BRAZIL



KEYNOTE ADDRESSES FROM THE HOST NATION:



Brigadier-Major Carlos Vuyk de Aquino,
Brazilian Armed Forces

Colonel Pierre Mattei, Aerospace Engineering
Coordinator, ITA



Lieutenant Colonel Hélcio Vieira Junior,
Commander, Space Operations Center
Brazilian Armed Forces

Captain Eloi Fonseca, Aerospace Engineering, ITA

SPEAKER FACULTY 2014 INCLUDES:



Senior Officer, **Peruvian Air Force**



Regina Cunha Parreira, Manager of Spectrum, Orbit and
Broadcasting, **Anatel**



Major Javier Campos, Signal Officer, **Salvadorean Armed
Forces**



Maximiliano Erazu, SAOCOM Communication System
Engineer, **CONAE**



Diana Goody, Vice President, International &
Government Channels, **Harris CapRock**



"D" D'Ambrosio, Executive VP Government Solutions,
O3b Networks



Lincoln Oliveira, General Director, **Star One**

EVENT HIGHLIGHTS:

- Hear direct from the Latin American military at the forefront of the Military satellite communications industry- Brazilian Armed Forces
- Overview of the military and commercial satellite communications systems market across Latin America and how to get involved
- Latest satellite communications technology developments and newest technologies from around the world
- In depth discussion of ground-breaking new international partnerships between Latin America and other countries such as China

SPONSORED BY:



POST-CONFERENCE INTERACTIVE WORKSHOP | 29TH AUGUST 2014

MOBILE SATELLITE SOLUTIONS FOR THE ARMED FORCES

09.00-13.00 | Hosted by Arycom



Para baixar essa brochura em português visite...

Para descargar este folleto en español visite...

www.milsatcom-latinamerica.com

Register online or call us on +44 (0) 20 7827 6000



@SMiGroupDefence #MilSatComRIO



As a Lieutenant Colonel from the Brazilian Air Force, I have great pleasure in welcoming you all to SMi Group's inaugural MilSatCom Latin America 2014 conference & exhibition.

Global MilSatCom is the leading military satellite communications conference in the world and I am pleased to have this regional event taking place here in Rio de Janeiro.

We are proud to be able to be a part of this new event and I myself am delighted to be able to contribute following our recent attendance at Global MilSatCom which took place in London in November last year.

MilSatCom Latin America 2014 will offer attendees the opportunity to hear from key players both in the military and industry in one of the world's most beautiful locations, Rio de Janeiro.

Please join in the question and answer sessions, network with your industry peers and learn about the new developments in the Latin American Defense arena. But most of all, please enjoy this ground-breaking event in Rio de Janeiro.


Sincerely yours,



Lt. Colonel José Everardo Julião Ferreira – MSc.
Brazilian MoD - C² Technical Coordinator
IEEE and OSA Member
Metamaterial Researcher

08.30 REGISTRATION & COFFEE

09.00 CHAIRMAN'S OPENING REMARKS

 **Cristóvam Nascimento**, Brazil Correspondent,
Global VSAT Forum

HOST NATION ADDRESSES: BRAZILIAN SATELLITE DEVELOPMENTS

09.10 Brazilian Armed Forces Keynote address

 **Brigadier-Major Carlos Vuyk de Aquino**,
Brazilian Armed Forces

09.40 Brazilian Air Force Space Operations Center

 **Lieutenant Colonel Hélcio Vieira Junior**, Commander,
Space Operations Center, **Brazilian Armed Forces**

10.20 MORNING COFFEE

10.50 Military applications via satellite

- Available capacity in C and Ku Band within the Star One fleet in Brazil and South America
- Star One experience in X Band Hosted Payloads
- Space Based Augmentation Systems as a Hosted Payload
- Use of satellites to control UAVs – Case study

 **Lincoln Oliveira**, General Director, **Star One**

11.30 Update from Anatel

- Telecommunications regulation changes across Brazil
- Coordinating communications capability for the Olympics

 **Regina Cunha Parreira**, Manager of Spectrum, Orbit and Broadcasting, **Anatel**

12.10 NETWORKING LUNCH

UPDATE FROM SATELLITE OPERATORS ABOUT FUTURE PLANS

13.30 Achieving more with less: Deployed communication and information systems for the next decade

- Communications challenges for changing military applications
- Using COTS and extending existing infrastructure to bridge budget shortfalls
- Focusing on the requirement, not the hardware

 **Diana Goody**, Vice President, International & Government Channels, **Harris CapRock**

14.10 Session reserved for O3b Networks

"D" D'Ambrosio, Executive VP
Government Solutions, **O3b Networks**




14.50 AFTERNOON TEA

SATELLITE PROGRAMMES AND TECHNOLOGY

15.10 Communications systems in Earth Observations Satellites (EOS)

- Earth Observations Satellites: Communications systems in Science missions
- S - Band communications systems: Telemetry command and Ranging systems used in LEO Satellites
- Ground and onboard systems
- X-Band communications systems: High Data rate systems, modulation types
- System communication channels for next generation of EOS: Challenges and opportunities

 **Maximiliano Erazu**, SAOCOM Communication System Engineer, **CONAE**

15.50 Satellite voice solutions for military operations and emergencies

- Stand-alone satellite voice solutions
- Satellite Picocell solutions
- L-Band versus Ku/C band solutions for voice

 **Iñigo López**, Sales and Marketing Director, **Arycom**

16.30 CHAIRMAN'S CLOSING REMARKS AND END OF CONFERENCE DAY ONE

Register online at www.milsatcom-latinamerica.com • Alternatively fax your registration

SPONSORED BY



O3b Networks has a unique global communication satellite solution that addresses the challenges experienced by governments and militaries in the Latin-American region. O3b's Medium Earth Orbit (MEO), high throughput satellite (HTS) constellation provides government and military customers in the region with a low latency (<150 msec), high throughput (over 1 Gbps), and affordable alternative (at least 30% less than GEO Ku) to connect central and remote operations with each other and the rest of the world. This reliable, flexible and secure global communications service allows government and military users, particularly in the underserved regions of the world, to enjoy the benefits of high-speed connectivity, where and when needed.

O3b enjoys world-class financial and operational support from SES, Google, HSBC, Liberty Global, Development Bank of South Africa, Sofina, Satya Capital, Northbridge Venture Partners and Allen & Company www.o3bnetworks.com

08.30 REGISTRATION & COFFEE

09.00 CHAIRMAN'S OPENING REMARKS:



Cristóvam Nascimento, Brazil Correspondent, Global VSAT Forum

09.10 Introduction to Space Activities at ITA



Colonel Pierre Mattei, Aerospace Engineering Coordinator, ITA

09.30 Defense applications of cubesats projects

- Datarelay for secure communications using Software Defined Radio in 6U Cubesats platforms
- Image acquisition using Low Orbit 6U Cubesats
- Cubesats swarming in defense subjects
- Use of a 6U satellite to understand ionospheric scintillation effects on both communications and GPS positioning



Captain Eloi Fonseca, Aerospace Engineering, ITA

10.10 MORNING COFFEE

OVERVIEW OF PLAYERS IN SATCOM IN LATIN AMERICA

10.40 Overview of the major satellite communication systems covering the Brazilian Territory

- The Geostationary Orbital Arc covering Brazil
- Satellites in the Brazilian Orbital Slots
- Satellites in the Foreign Orbital Slots
- Major Applications and Services running
- Current Situation and Trends



Cristóvam Nascimento, Brazil Correspondent, Global VSAT Forum

11.20 Salvadorean Armed Force Military Communications

- Overview of Communications Systems in Salvadorean Armed Forces
- Military satellite communications requirements



Major Javier Campos, Signal Officer, Salvadorean Armed Forces

12.00 NETWORKING LUNCH

13.30 Satellite Communication expectations in Peru



Senior Officer, Peruvian Air Force, CONIDA

14.10 Latin America MilSatcom Demand: What's in it for commercial operators?

- Demand for commercial capacity in Latin American military organizations
- Trends, drivers and restraints in applications
- The impact of government and military satellite on commercial capacity demand
- Addressing bandwidth demand in the region with High-Throughput Satellite (HTS)



Claude Rousseau, Senior Analyst, Northern Sky Research

14.50 AFTERNOON TEA

INTERNATIONAL PLANS AND PARTNERSHIPS

15.20 MILSATCOM and COMSATCOM Management

- Constellations, Policy, Operations and Challenges to Management
- Investment & Sharing SATCOM: Types of arrangements and Why sharing becomes important
- COMSATCOM Management: Improving SATCOM service leases and Effective Use of Commercial SATCOM
- Determining Requirements



Harold Haney*, Chief Space and Missile Defence C4 Division, USSTRATCOM

16.00 China's growing footprint in Latin American SATCOM

- Development of China's commercial space industry
- Overview of Chinese activities in the Latin American space sector (Brazil, Peru, Argentina, Chile, Venezuela, Bolivia, Nicaragua)
- Venesat-1, Associated Infrastructure and Venezuela Space Collaboration
- Tupac Katari and the Bolivia Space Collaboration
- Nicasat-1
- Implications for the Region and the Industry



Dr R. Evan Ellis, Senior Non-Resident Fellow, Center for Strategic and International Studies

16.40 CHAIRMAN'S CLOSING REMARKS AND END OF CONFERENCE

For Visa information please visit our website
www.milsatcom-latinamerica.com, "Downloads" Section

* Subject to final confirmation

Registration to +44 (0) 870 9090 712 or call +44 (0) 870 9090 711 • GROUP DISCOUNTS

SPONSORED BY



Harris CapRock Communications is a premier global provider of managed satellite and terrestrial communications solutions, specifically for remote and harsh environments including the energy, government and maritime markets. Harris CapRock owns and operates a robust global infrastructure that includes teleports on six continents, five 24/7 customer support centers, local presence in 23 countries, and over 275 global field service personnel supporting customer locations across North America, Central and South America, Europe, West Africa and Asia Pacific. www.harriscaprock.com



Star One, a wholly owned subsidiary of Embratel, is the largest satellite operator in Brazil and Latin America. Established in December 2000, it operates five GEO satellites (Star One C1, C2, C3 and C12, and Brasilsat B4), and two satellites in inclined orbits (Brasilsat B2 and B3). To meet the new infrastructure demands in Brazil and Latin America, besides major sporting events – like the Olympic Games – the company will provide two new satellites: Star One C4 (in late 2014) and Star One D1 (in the first quarter of 2016.) To operate the fleet, Embratel keeps the best and largest satellite operation center in Latin America, located in Guaratiba, Rio de Janeiro. From this center, the company tracks, monitors and manages its satellite fleet with a team of highly skilled engineers and technicians. The site includes one of the largest antenna campuses in Latin America, using state-of-the-art technology. www.starone.com.br

Mobile Satellite Solutions for the Armed Forces

Hosted by Arycom

Overview:

In a large territory like South America, voice and data communications over satellite are a must for the armed forces. Due to the remote locations of the operations and the mobility required, L-band solutions (Inmarsat/Iridium) are the ideal solution due to the reliability of this frequency band (rain does not affect the quality), the small size and weight of the terminals and the rapid deployment. During the workshop there will be a comparison of different satellite communications solutions, including L-band, Ku-band and X-band, and where each solution fits better.

The workshop will provide a clear vision of how different satellite solutions should be used together in military operations. The attendees should be managers from companies providing portable satellite communications solutions and government entities with operations in remote locations.

Programme:

- 09.00 Registration & Coffee
- 09.30 L-Band Communications for Government and Armed Forces
- 10.30 Case-study on the implementation of Mobile SatCom
- 11.00 Coffee Break
- 11.20 Satellite Solutions for Ku, Ka, C and X Bands
- 12.20 Operational case-study on using satellite communications capability
- 13.00 End of Workshop

About Iñigo Lopez



Iñigo has over 12 years' experience in the Telecommunications sector, with international experience in Spain, France, England and Brazil. Iñigo is the Sales and Marketing Director of Arycom. In addition to Arycom, Iñigo is Commercial Manager in SouthPartner, a company that helps foreign companies to establish themselves and start doing business in Brazil.

Prior to Arycom, Iñigo was the Sales Manager for Latin America and Europe in UDcast (France), manufacturer of IP Optimization Solutions for Satellite Communications and Mobile TV Solutions. Iñigo also worked as the IP Department Manager for Globecast Spain (France Telecom Group), a teleport offering Audiovisual Services, including video transmission over fiber, radio links and satellites.

About Arycom



Arycom is a Brazilian operator and provider of complete satellite solutions, duly authorized by the Brazilian regulator ANATEL to provide global mobile satellite services (SMGS), limited special services (SLE), and satellite capacity to users on land, at sea and in the air. Arycom is approved by the International Telecommunication Union as Accounting Authority for Brazil, BR03. Arycom offers complete and state-of-the-art solutions for satellite communications to customers in the Americas, including satellite capacity, airtime, satellite terminals, fix-to-mobile communications, network integration, installations, project management, value add applications and products, and 24/7 customer support in Portuguese, English and Spanish.

SPONSORSHIP AND EXHIBITION OPPORTUNITIES

SMI offer sponsorship, exhibition, advertising and branding packages, uniquely tailored to complement your company's marketing strategy. Prime networking opportunities exist to entertain, enhance and expand your client base within the context of an independent discussion specific to your industry. Should you wish to join the increasing number of companies benefiting from sponsoring our conferences please call: **Alia Malick, Director**
+44 (0) 20 7827 6168 or
email: amalick@smi-online.co.uk

Exclusive Media-Partner in Brazil

**Tecnologia
& DEFESA**

Leading Media-Partners in Spain

infodefensa.com

INFOESPACIAL.com

Leading Media Partners

FAM FUERZAS MILITARES

SEGURANCA DEFESA
A Defesa de Profissionais


GovEvents
WHERE GOVERNMENT GATHERS

HOMELAND SECURITY RESEARCH
WWW.HSRC.BIZ

Supporting Associations

WTA **MSUA**

Speaking Media Partners

SVF Satellite. Solutions. The World.

NSR
NORTHERN SKY RESEARCH

Media Partners

armedforces.co.uk

airforce-technology.com
The website for the defence industries - airforce

army-technology.com
The website for the defence industries - army

Armed Forces International

ASD-Network
aerospace & defence network

Defence-Industries.com

DEVELOPING TELECOMS
in emerging markets worldwide

DSA
ISO 9001:2008

GeoConnexion

KNIGHTRIDER SYSTEMS
TECHNOLOGY

ORACLE
The Military Website

naval-technology.com
The website for the defence industries - navy

RussianSpaceWeb.com

space AGENDA

SPACECAREERS

SOLDIERMOD.COM
SOLDIER MODERNISATION

TELCO PROFESSIONALS
Your Opinions Online

Teleinfo today

Teletimes International

YOUR DEFENCE NEWS

Want to know how you can get involved?
Interested in promoting your services
to this market?

Contact Julia Rotar, SMI Marketing, on
+44 (0) 207 827 6088 or e-mail jrotar@smi-online.co.uk

MILSATCOM LATIN AMERICA

27 - 28 AUGUST 2014 | ROYAL TULIP HOTEL, RIO DE JANEIRO, BRAZIL POST-CONFERENCE WORKSHOP: 29TH AUGUST 2014

4 WAYS TO REGISTER

www.milsatcom-latinamerica.com

FAX your booking form to +44 (0) 870 9090 712

PHONE on +44 (0) 870 9090 711

POST your booking form to: Events Team, SMi Group Ltd, 2nd Floor South, Harling House, 47-51 Great Suffolk Street, London, SE1 0BS

--	--

Unique Reference Number	
Our Reference	LV D-054

DELEGATE DETAILS

Please complete fully and clearly in capital letters. Please photocopy for additional delegates.

Title: Forename: _____

Surname: _____

Job Title: _____

Department/Division: _____

Company/Organisation: _____

Email: _____

Company VAT Number: _____

Address: _____

Town/City: _____

Post/Zip Code: _____ Country: _____

Direct Tel: _____ Direct Fax: _____

Mobile: _____

Switchboard: _____

Signature: _____ Date: _____

I agree to be bound by SMi's Terms and Conditions of Booking.

ACCOUNTS DEPT

Title: Forename: _____

Surname: _____

Email: _____

Address (if different from above): _____

Town/City: _____

Post/Zip Code: _____ Country: _____

Direct Tel: _____ Direct Fax: _____

VENUE

Rua Aquarela do Brasil, 75, São Conrado,
Rio de Janeiro - RJ, 22610-010, Brazil+55 21 3323-2200

Please contact me to book my hotel

Alternatively call us on +44 (0) 870 9090 711,
email: hotels@smi-online.co.uk or fax +44 (0) 870 9090 712

Terms and Conditions of Booking

Payment: If payment is not made at the time of booking, then an invoice will be issued and must be paid immediately and prior to the start of the event. If payment has not been received then credit card details will be requested and payment taken before entry to the event. Bookings within 7 days of event require payment on booking. Access to the Document Portal will not be given until payment has been received.

Substitutions/Name Changes: If you are unable to attend you may nominate, in writing, another delegate to take your place at any time prior to the start of the event. Two or more delegates may not 'share' a place at an event. Please make separate bookings for each delegate.

Cancellation: If you wish to cancel your attendance at an event and you are unable to send a substitute, then we will refund/credit 50% of the due fee less a £50 administration charge, providing that cancellation is made in writing and received at least 28 days prior to the start of the event. Regrettably cancellation after this time cannot be accepted. We will however provide the conferences documentation via the Document Portal to any delegate who has paid but is unable to attend for any reason. Due to the interactive nature of the Briefings we are not normally able to provide documentation in these circumstances. We cannot accept cancellations of orders placed for Documentation or the Document Portal as these are reproduced specifically to order. If we have to cancel the event for any reason, then we will make a full refund immediately, but disclaim any further liability.

Alterations: It may become necessary for us to make alterations to the content, speakers, timing, venue or date of the event compared to the advertised programme.

Data Protection: The SMi Group gathers personal data in accordance with the UK Data Protection Act 1998 and we may use this to contact you by telephone, fax, post or email to tell you about our products and services. Unless you tick here we may also share your data with third parties offering complementary products or services. If you have any queries or want to update any of the data that we hold then please contact our Database Manager databasemanager@smi-online.co.uk or visit our website www.smi-online.co.uk/updates quoting the URN as detailed above your address on the attached letter.

EARLY BIRD DISCOUNT

- Book by 30th May 2014 to receive \$400 off the Conference price
 Book by 18th July 2014 to receive \$200 off the Conference price

CONFERENCE PRICES

GROUP DISCOUNTS AVAILABLE

I would like to attend: (Please tick as appropriate)

Fee

Military & Public Sector

- Conference & Workshop **\$1598.00**
 Conference only **\$999.00**
 Workshop only **\$599.00**

Commercial Organizations

- Conference & Workshop **\$2898.00**
 Conference Only **\$2299.00**
 Workshop Only **\$599.00**

PROMOTIONAL LITERATURE DISTRIBUTION

- Distribution of your company's promotional literature to all conference attendees **\$999.00**

The conference fee includes refreshments, lunch and conference pack.

DOCUMENTATION

Documentation

I cannot attend but would like to purchase access to the following Document Portal/Paper copy documentation.

- Access to the conference documentation on the Document Portal **\$799.00**
 The Conference Presentations – paper copy **\$799.00**

PAYMENT

Payment must be made to **SMi Group Ltd**, and received before the event, by one of the following methods quoting reference **D-054** and the delegate's name. Bookings made within 7 days of the event require payment on booking, methods of payment are below. Please indicate method of payment:

Wire transfer:

Account name: **SMi Group Ltd**
Sort Code: **30-00-09** Account No: **11775391** CCY **USD**
Lloyds TSB Bank Plc, 39 Threadneedle street, London, EC2R 8AU
IBAN: **GB75 LOYD 3000 0911 7753 91**
BIC: **LOYDGB21013**

- Cheque We can only accept cheques in US Dollars
 Credit Card Visa MasterCard American Express
All credit card payments will be subject to standard credit card charges.

Card No:

Valid From / Expiry Date /

CVV Number 3 digit security on reverse of card, 4 digits for AMEX card

Cardholder's Name: _____

Signature: _____

Date: _____

I agree to be bound by SMi's Terms and Conditions of Booking.

Card Billing Address (if different from above): _____

VISA INFORMATION

For Visa information, please visit our website
www.milsatcom-latinamerica.com "Downloads" section