



China Milsatcom Summit 2016

1st-2nd Dec. 2016

Beijing

“ Understand your tactical comms; From new satellite capabilities to on-the-move and expeditionary communications; Develop High-bandwidth, secure and assured communications for unmanned ISR capabilities”

Government Regulations and Marketing Trends

Government regulations and policies towards the development of China Milsatcom; Identify the market trends in China and understand the current market position and the forecasts to discover where the Military Satellites Market expenditure in China is headed; Understand the development of Beidou satellite systems, detection equipment and FH-1Fenghuo etc. The development of China quantum satellite;

Tactical Revolutions of C5ISR & Networks

How to develop and evaluate Resilient SatCom Space System Architectures; Military communications in the 5G era; Challenges and strategies in supplying SatCom for UAVs and RPAS; Development of Unmanned systems and sensors for data collection; How to ensure the needs and requirements of the deployed communications operator are prioritized for the military satellite community; Development of mobile MilsatCom; Efficient MilSatCom operations

Cyber Security Challenges and Strategies

Understand the new phase of Cyber security as the Defense Department builds out enterprise architecture across all military services; How to develop automated processes and software-defined networking to defending against Zero-day attacks

Cost-cutting Solutions for Milsatcom

Explore a range of cost-cutting solutions, such as COMSATCOM, bilateral cooperation, international agency coordination and small-satellite constellations. Understand the development of small satellites for Milsatcom

SPEAKER LINE UP



中国空间技术研究院
China Academy of Space Technology



国家航天局
China National Space Administration



中国电信

中国电信集团卫星通信有限公司



中国卫星通信集团
China Satcom Group



中国航天



CETC

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Organizer



Media Partner



Dear Colleagues:

The modern war has entered into the information age, and the operation forms and characteristics have changed greatly. China military information technology development era has been opened, the market size of more than 200 billion yuan, the relevant industry chain will usher in a major development opportunities.

In 2015 China launched 19 rockets bearing 45 diverse spacecraft, including navigation, surveillance and test satellites. China introduced the "next generation" Long March (LM)-6 and the LM-11 SLVs. Of military relevance, the LM-11 is a quick response" system to orbit a small payload. In another sign of sophistication, a single LM-6 orbited 20 "CubeSats" (small satellites), including four Xingchen femto-satellites weighing only 100 grams each. Meanwhile, China's Beidou/Compass positioning, navigation, and timing (PNT) satellite network is on track to span the globe by 2020.

In June 2016, The China Central Military Commission issued "The Outline of Military Construction and Development of The Thirteenth Five-Year Plan" "The Outline" indicates that the construction of information is going to be made a significant progress and establish modern military power system with Chinese characteristics, which can win the information war and perform the mission effectively. In the next 5 years, the investment in information-based weaponry ratio will continue to improve. "The Outline" provides unprecedented business development opportunities for companies in the business segments of military communication systems, electronic warfare, satellite navigation system, Marine information, cyber security etc. At the same time the challenges, opportunities and strategies of the fast developing China Milsatcom industry has to be discussed fundamentally. The upcoming "China Milsatcom Summit 2016" to be held on 1st-2nd Dec. in Beijing will invite 300+ senior decision makers from Ministry of Defense, Armed Forces, Satcom Operator, Military satellite manufacture, defense & security service/technology providers; Defense and intelligence system connectivity/communication solution providers, network operator/satellite broadband and wireless communications services providers, satellite communications equipment and technology providers etc. to address the hot issues including Government Regulations and Marketing Trends; Tactical Revolutions of C5ISR & Networks; Cyber Security Challenges and Strategies; Cost-cutting Solutions for Milsatcom to help you to secure your own position in the supply chain improve your products and services innovating capabilities, build up sustainable and profitable business partnership and achieve great success beyond 2016!

The organizing committee of China MuSatcom are looking forward to meet you in Beijing!

Attendee by Industry



Attendee by Job Title

President;	SatCom Policy Analyst;	
Chief Executive Officer;	Project Leader, Future & International Programs,	Product Manager, Integration, Interoperability and
Minister of State for Defence Procurement;	MILSATCOM Division;	Situational Awareness, Marine Corps Systems
Head Capability C4ISR Joint Forces Command;	Director, International C3 & ISR Programs;	Command;
Director-General;	Senior Director of Defense Systems;	Director of Distributed Common Ground System;
Programme Manager;	Director Business	Deputy Program Manager, Program Executive
Enhanced Mobile Satellite Services;	Development and Strategy;	Office Unmanned Aviation and Strike Weapons;
Directorate of Joint Capability, SATCOMS &	Chief Technical Officer, Tactical Network Solutions;	Chief Data Officer and Deputy Chief Technology
SAR Requirements;	Market Director Government & Defense;	Officer;
Chief of International MilSatCom;	Solution Manager, MilSatCom and Tactical Networks;	Applications;
CIS Operations Support Department;	Vice President, Government Space Systems;	Joint Communication and Information Systems;
Head of Navigation, Surveillance and SatCom	Vice President Defence and Security;	Communications;
Division;	Chief International MilSatCom;	Chief Information Commanding Officer;
SatCom Specialist; Head of SATCOM Programs;	Senior Director of Defense Systems;	
Defense Staff/ Strategy Department/ Defense	Director, Business Operations;	
Development Division/ Capabilities Section/	VP of Government Sales;	
Enabling Space;	Director of Business Development Defence;	
Chief of Staff;	Program Executive Office Command Control	
Director of Telecommunications and Integrated		



07:30 Networking Breakfast
 08:30 Registration & Coffee
 09:00 Chairman's Welcome and Opening Address

Government Regulations and Marketing Trends

09:10 **Updating on China Government Regulations and Policies towards the Development of Milsatcom**

Weiping QIAN, *Director*
Defense Information Systems Agency,
Equipment Development Department
Central Military Commission

09:40 **Identify the Market Trends in China by Analyzing the Historic and Forecast Military Satellites Market Expenditure Data; Use the Industry Sizing Data to Understand the Current Market Position and the Forecasts to Discover where the Military Satellites Market Expenditure in China is Headed**

Yulong TIAN, *Secretary General, China National Space Agency*

10:10 **An Update On FH-1Fenghuo And How MilSatCom Services Are Being Provided For The China Armed Forces**

Xingchun DIAO, *Director*
63 Research Institute, General Staff
The Chinese People's Liberation Army

10:40 Coffee Break & Networking

11:10 **The Integrated Spacecraft & Ground Operation Management and Control System Framework for COMPASS**

Guixing CAO, *Deputy Director of Science and Technology Committee/Chief Engineer, SatCom Department, China Academy of Space Technology*

11:40 **Discuss The Future of Commercial SATCOM for Military Use**

What can commercial SATCOM offer to the military end-user? What are the financial and security implications of developing a commercial SATCOM capability for the military? What are the challenges of integrating commercial

SATCOM into the military SATCOM capacity?

12:10 Luncheon & Networking

13:30 **Panel Discussion: Bandwidth Trade-Offs? Context driven prioritisation? Is it worth standardising and losing capability in extreme circumstances? Is it better to invest in multiple solutions at added cost? What matters more-constant communication with less data or potentially sporadic high volume multiple source communication capability?**

14:00 **Understand MilSatCom Space System Architectures and Applications that is Adaptive to the Tactics Exertion of the Area Conflict and Battle**

Zehe ZHOU, *General Manager*
China Communications and Broadcasting Satellite Company

14:30 **Small Satellites for MilSatCom, Earth Observation and Surveillance: LEO, MEO and GEO**

Baojun LIN, *Deputy Director,*
Shanghai Engineering Center For Microsatellites

15:00 **Discuss the Key Challenges and Solutions in Supplying SatCom for UAVs and RPAS**

15:30 Coffee Break & Networking

16:00 **High Throughput Satellite (HTS) Communications for Government and Military Applications**

16:30 **How Tactical Narrowband Satellite Communication (TNS) Project Will Satisfy Next-Generation SatCom Requirements**

Weiyong FENG, *Chinese people's Liberation Army 91404*

17:00 **Integrated Space-Air-Ground Tactical Communication based on 5G Mobile Communication**

Qinyi ZOU, *Deputy Chief Engineer / Deputy Director Of Communications Division, The Fiftieth Research Institute of China Electronic Technology Group Corporation*

17:00 Cocktail Party



07:30 Networking Breakfast
08:30 Registration & Coffee
09:00 Chairman Recap Day One Contents

09:10 **How China Can Maximize Key Capabilities Across The China Armed Forces With Greater Allied Collaboration And Advanced Planning**

Major General. Wujun LEE, Director of the Equipment and Technology Cooperation Bureau, Equipment Development Department of the Central Military Commission

09:40 **Learn the Technological Innovation of General Platform for Satellite, and its Developing Prospects in China**

Zhicheng ZHOU, Technical Expert/Commander in Chief of Satcom Project The Fifth Research Institute, China Aerospace Science and Technology Corporation

10:10 **Understand Innovative Technologies for Efficient MilSatCom Operations**

Fahai YAO, Deputy General Manager, China Telecom group Satellite Communication Co., Ltd

10:40 Coffee Break & Networking

11:10 **How to Ensure Effective Strategic Communications For Deployed Warfighters**

11:40 **Panel Discussion:** Operational Use of SOTM; Enabling faster and better communication of intelligence and activities across the battle space; The advantages of mobile SATCOM in enabling interoperability between allies on operations; Why does high quality multiple data type communication matter? Can it actually make a difference?

12:10 Luncheon & Networking

13:30 **How to Create More Resilient and Robust**

MilSatCom System to Adapt to Evolving Threats

Xun CHEN, Executive Vice President, APT Satellite

14:00 **How Military and Industry Tactics help Ensure Data Protection and Integrity Across Multiple Devices and Systems**

14:30 **Status and Prospect of New techniques for Satellite Communication- How The Air Force Is Optimizing Satellite Communications For Regional Operations**

Yongsheng WANG, Director, Research Ordering Department of Air Force Equipment Ministry, Chinese people's Liberation Army

15:00 **Approach, Solutions, And Concerns With Regards to Military Use Of Zhongxing-1C Military Satellite, that will have been Equipped with a Range of C, Ku, Ka and L band Transponders**

Dr. Tao XIAO, Director of Department of General Design, China Aerospace Science and Technology Group

15:30 Coffee Break & Networking

16:00 **How to Develop Network Centric Enhanced Joint Command and Control Capabilities, and Strengthened Intelligence, Surveillance and Reconnaissance Capabilities**

Yushi LAN, Director, the Twenty-Eighth Research Institute of the China Electronic Technology Group Corporation

16:30 **Facilitating A Satcom-On-The-Move Capable Enough To Support A Diverse Range of Operations**

17:00 **CHAIRMAN'S CLOSING REMARKS AND END OF SUMMIT**