June 23, 2014

VIA ELECTRONIC FILING

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, DC 20554

Ex Parte Presentation

GN Docket No. 13-185
Amendment of the Commission's Rules with Regard to Commercial Operations in the 1695-1710 MHz, 1755-1780 MHz, and 2155-2180 MHz Bands

Dear Ms. Dortch:

On June 19, 2014, Douglas C. Smith, CEO; Randy Clark, VP, Strategic Programs; Janice Obuchowski, and Jay Chauhan, representing Oceus Networks Inc. ("Oceus Networks") met with David Goldman, Legal Advisor to Commissioner Jessica Rosenworcel.

During the meeting, Oceus Networks provided an overview of its public safety deployables architecture, the potential cost-savings of the company's unique approach to deployables and how it complements traditional architectures.

Oceus Networks also highlighted progress it has made delivering to U.S. military users tactical broadband wireless systems using commercial 4G LTE technologies. The team spotlighted the need for the U.S. military to train on these tactical systems domestically on remote training ranges and bases and the need for long-term spectrum access.

Respectfully submitted,

/s/ Jay Chauhan
Jay Chauhan

cc: David Goldman

Presented to David Goldman

Office of Commissioner Jessica Rosenworcel
Federal Communications Commission

JUNE 19, 2014

OCEUS NETWORKS
Networking for a Better Tomorrow

DESIGN. BUILD. OPERATE.

WHO IS OCEUS NETWORKS?

- United States based company solely owned by private equity firm.
- Systems integration company focused on the specialized broadband and wireless needs of U.S. government customers, primarily the Department of Defense and Intelligence Community.
- Our communications solutions leverage standards-based commercial technology, supplemented with Oceus Intellectual Property.
- Products and solutions include:
  - Fixed and wireless broadband products
  - Communication facilities survey, design and construction
  - Classified and unclassified professional services and customer support
- Exclusive provider of Ericsson communications technologies for the Department of Defense and certain segments of the U.S. Federal Government.

Secure & Scalable Commercial-Grade Solutions for Critical Missions

HQ – Reston, VA

R&D – Plano, TX

Operations Center – Plano, TX

OCEUS NETWORKS

DoD CIO
UNCLASSIFIED

What We're About: Mission Assurance - Warfighter Needs

We must ensure access to information … on any device, at anytime, under all conditions, wherever the warfighter needs it …

Mission assurance is DoD's top priority

SUPPORT THE WARFIGHTER

4

* Federal Networks 2014, 2/19/14, Robert J. Carey – Principal Deputy Chief Information Officer, Department of Defense

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OCEUS KEY DIFFERENTIATORS

Performance

- One commercial evolution path
- Best In Class range, structural penetration, throughput, scalability, and platforms.
- Fixed & deployable via land, sea, & air

Interoperability

- Oceus supports 34 frequency bands
- Oceus technology delivers assured interoperability with world's LTE ecosystem
- Open, 3GPP standard-based architecture supports commercial industry evolution
- Xiphos JITC tested for land, sea, & air

Security

- Private commercial grade network
- Oceus developed commercial encryption
- 4G LTE Security architecture approval for Secret on commercial devices – Government First!

Commercial-grade solution with military-grade security deployed today

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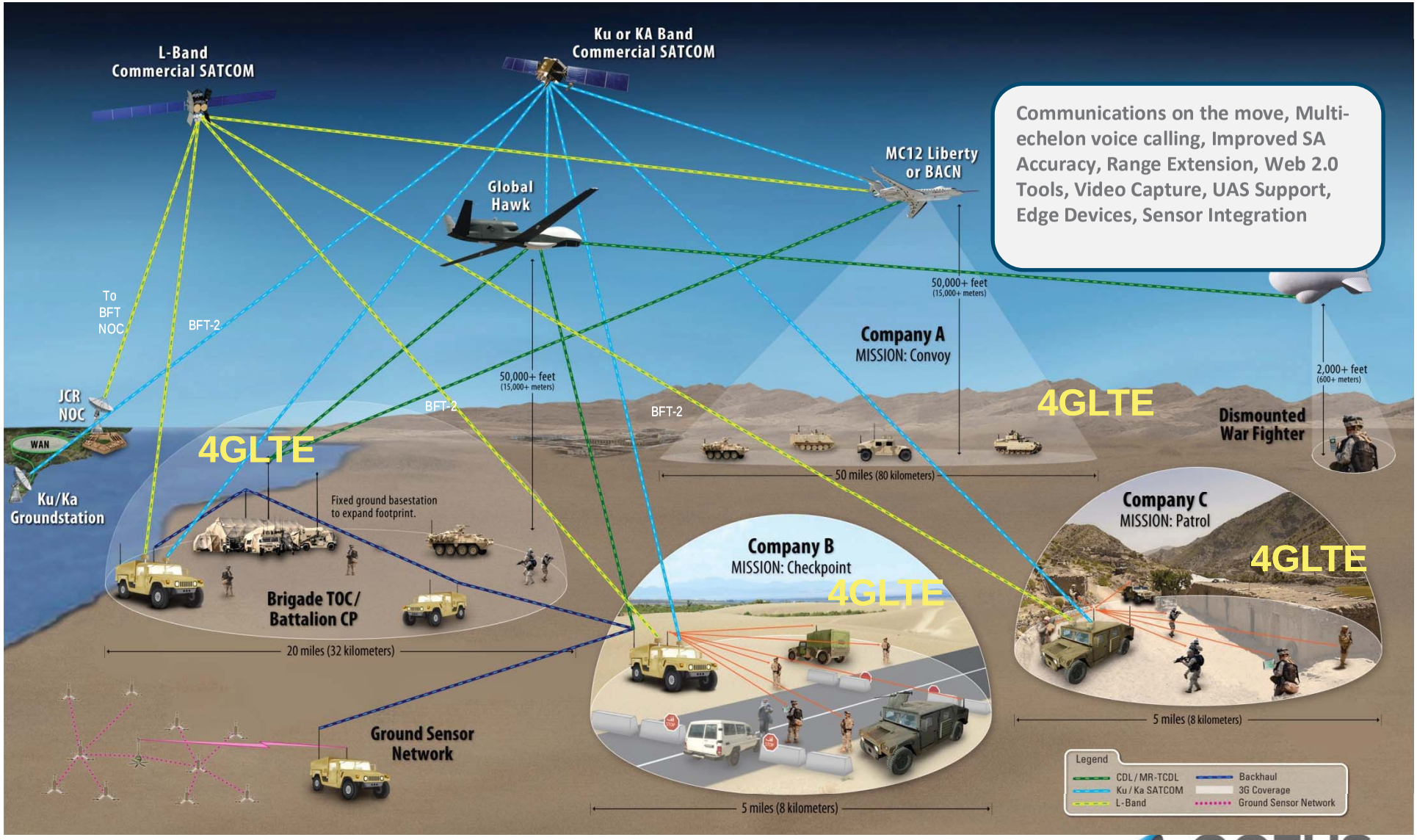
OPERATIONAL CONCEPT – MISSION BASED 4G LTE



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OCEUS DEPLOYABLE & LIGHTWEIGHT SYSTEMS

SCALABLE SOLUTIONS ACROSS MULTIPLE PLATFORMS TO SERVE ENTERPRISE CUSTOMERS ANYWHERE

Trailers & Vehicles

Light Fixed Sites

Enterprise Scale Networks

Xiphos Family

Small Portable Systems

Maritime

Airborne

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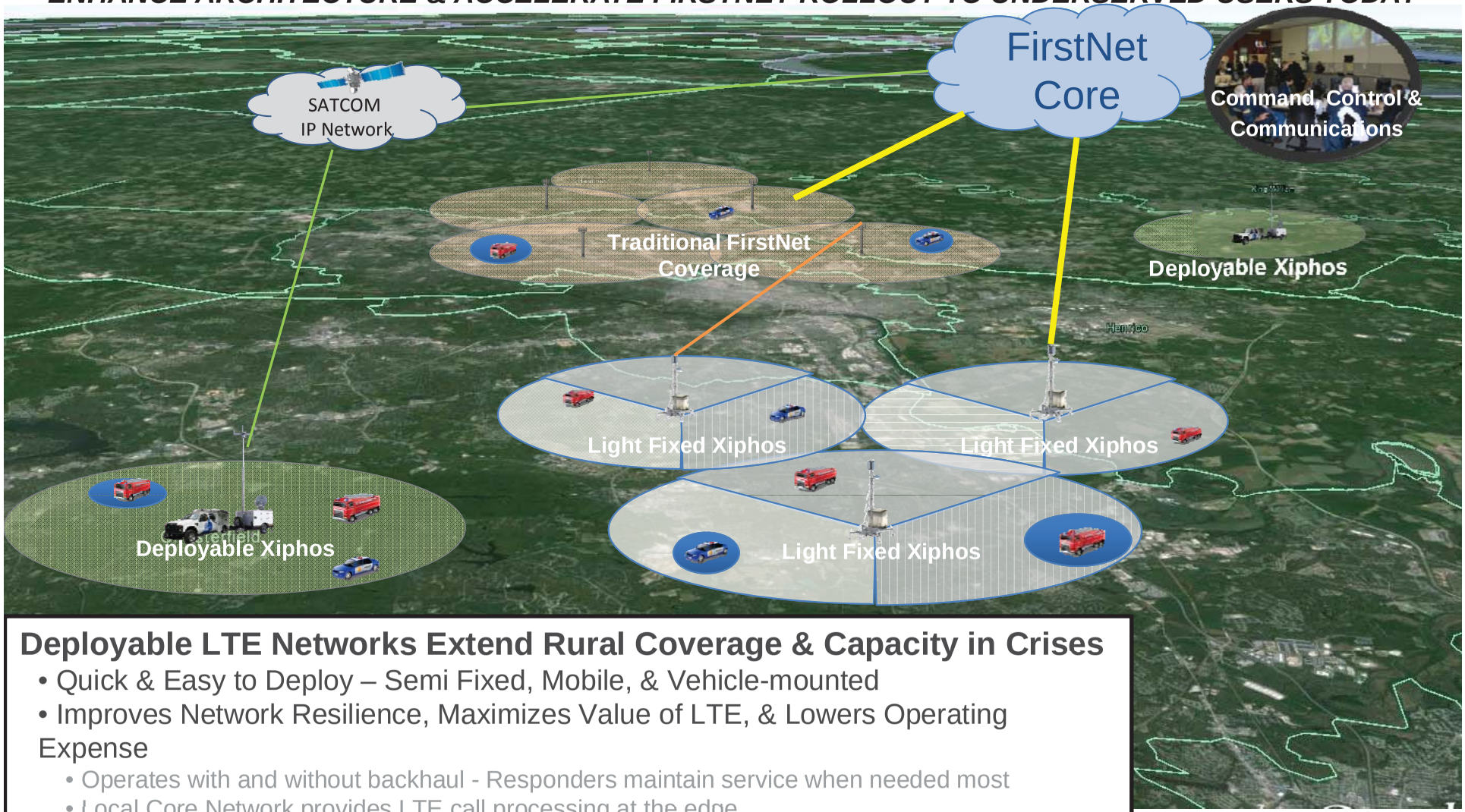
OCEUS FIRSTNET SOLUTION APPROACH

ENHANCE ARCHITECTURE & ACCELERATE FIRSTNET ROLLOUT TO UNDERSERVED USERS TODAY



Deployable LTE Networks Extend Rural Coverage & Capacity in Crises

- Quick & Easy to Deploy – Semi Fixed, Mobile, & Vehicle-mounted
- Improves Network Resilience, Maximizes Value of LTE, & Lowers Operating Expense
  - Operates with and without backhaul - Responders maintain service when needed most
  - Local Core Network provides LTE call processing at the edge
  - On-board Application Servers provide video, voice & data without backhaul
- Delivers FirstNet Interoperability with Lower Satellite Operating Expense
- Provides Local Visibility, Provisioning and Control
- Engineered & Produced in the USA

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DEPLOYABLES ENHANCE PUBLIC SAFETY AND FIRSTNET ARCHITECTURE

- Lightweight LTE architecture with rapid, low-cost deployments for critical or underserved areas
  - Ideally suited coverage fill-in large metro areas and low-cost coverage for rural and underserved markets.
  - Fixed, portable and mobile (air, land, & sea) broadband integrates into larger “cell” network.
- Fully interoperable capability at the network edge improves resiliency
  - Distributed FirstNet core capabilities to cell sites allows fail-soft redundancy & resiliency
    - Local but identical capabilities as the main or regional core
  - Failure in the main/regional core or backhaul doesn’t bring down local public safety services when needed most
- Local Visibility and Management
  - Local, State, and Tribal Public Safety can view network vitals, perform local provisioning (user authentication, security rights management, apps provisioning) and monitoring.
  - Bring more resources to FirstNet architecture

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CONCLUSION

- Faced with growing bandwidth requirements, DoD continues to face challenges related to spectrum supportability, even as carriers seek access to the key LTE band used by Federal systems.
- DoD has strong case to make for access to key LTE bands (e.g., 700 MHz, 1755-1850 MHz) on terms and conditions that meet warfighter mission requirements for test and training.
- Public Safety Needs resilient deployables – "Networks/Systems on Wheels (SoW)" – to address tremendous coverage challenges nationwide
  - Operate with and without backhaul to the main network
  - Local responders still communicate when backhaul fails – when they need it most
- Resilient SoW deployables conserve backhaul & reduce operational expense
  - Keep local traffic local & backhaul only what you must
  - Maximize the value of LTE broadband for public safety services & minimize satellite backhaul impact/expense

DoD Has the Same Needs as Commercial With More at Risk.
Spectrum Sharing Should be a Two-Way Street

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