



Hogan & Hartson LLP
Columbia Square
555 Thirteenth Street, NW
Washington, DC 20004
+1.202.637.5600 Tel
+1.202.637.5910 Fax

www.hhlaw.com

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Michele C. Farquhar
Partner
202-637-5663
mcfarquhar@hhlaw.com

VIA ELECTRONIC DELIVERY

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street, SW
Room TWA325
Washington, DC 20554

**Re: Notice of *Ex Parte* Presentation
GN Docket No. 09-51**

Dear Ms. Dortch:

On December 22, 2009, Bohdan Pyskir, President, LEMKO Corporation (“LEMKO”); Brian Ponte, LEMKO Vice President for Business Development; Damon Mauceri, Vice President, Sales, at Berico Tailored Systems; and I, outside counsel to LEMKO, met with Jamie Barnett, Jennifer Manner, and Brian Hurley of the FCC’s Public Safety and Homeland Security Bureau, and Charles Mathias, legal advisor to FCC Commissioner Baker, regarding the above-referenced proceeding. In this meeting, we discussed issues raised in the attached presentation related to LEMKO’s 4th generation core network platform, including the public safety and disaster relief benefits of LEMKO’s technology.

Pursuant to Section 1.1206 of the Commission’s rules, this letter is being filed via ECFS with your office.

Respectfully submitted,

/s/ Michele C. Farquhar

Michele C. Farquhar
Counsel to LEMKO Corporation

Attachment

cc: Jamie Barnett
Jennifer Manner
Brian Hurley
Charles Mathias



On Demand Cellular

**Public Safety – Disaster Rescue and
Recovery Communications**





Lemko – Company Overview

- Company founded in 2005 by a team of former Motorola business and technology leaders.
 - Based in Schaumburg, IL
- Currently delivering 4th generation core network platform:
 - Rural carriers in US and Canada
 - International markets
 - Military and government agencies in the US and China
- Key milestones
 - Katrina rescue and recovery
 - China FEMA for Hanjin earthquake
 - Interconnection tested and approved by over 20 carriers worldwide
 - Commercial deployments in WI, MI, IA, AK, MT, UT, TX & ON
 - Deployed CDMA, GSM and UMTS/HSPA





Lemko Software Powers 4G Networks



replaced by  runs on 
Lemko
Linux Based
Software

\$4,000,000+

Large footprint

Only Scales Upward from +10k subscribers

Inflexible, Centralized Architecture

Limited Interface Support

\$30K

Micro-footprint...portable

Scales Upward from 100 subscribers

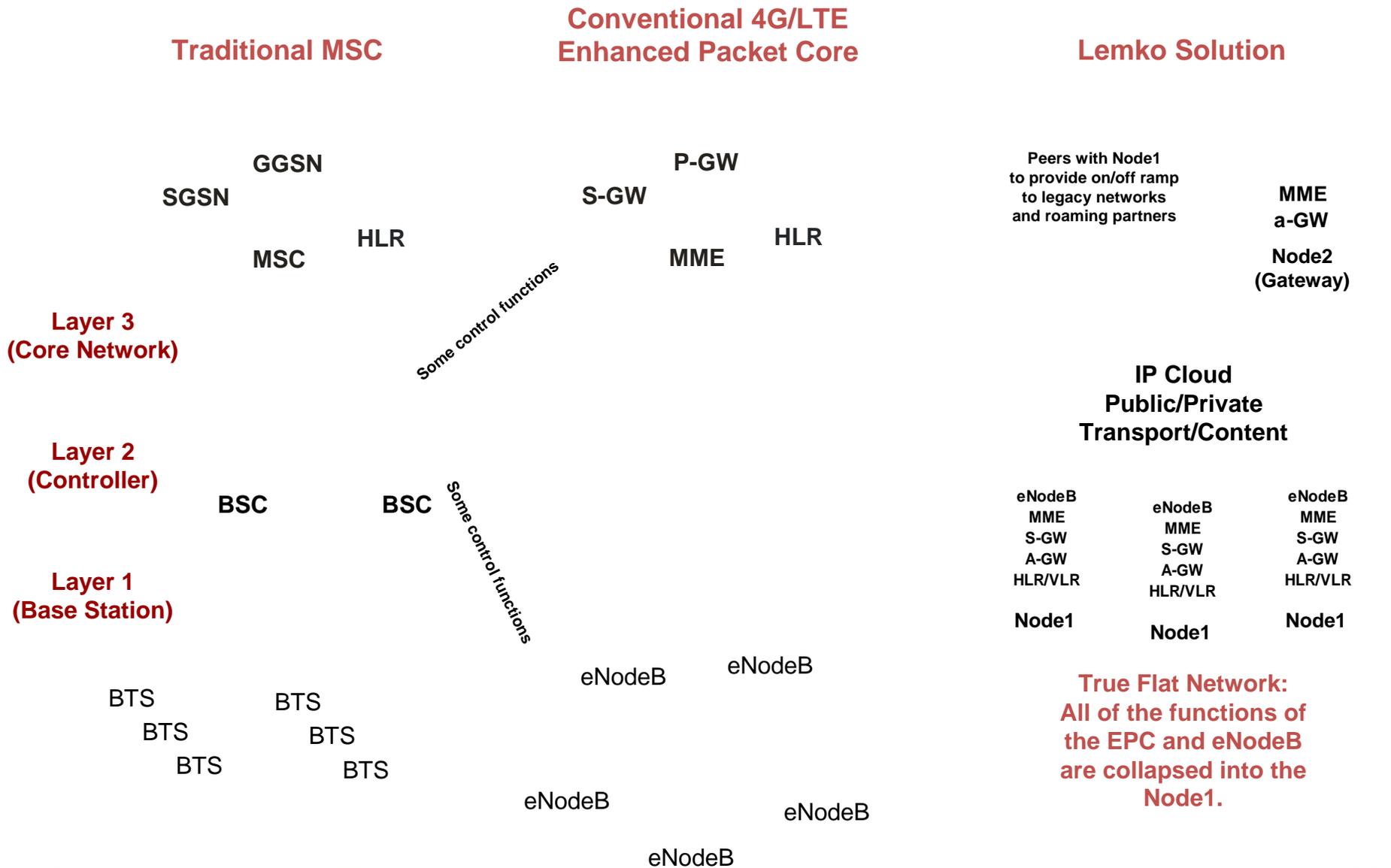
Flexible, Decentralized Architecture

Supports All Interfaces





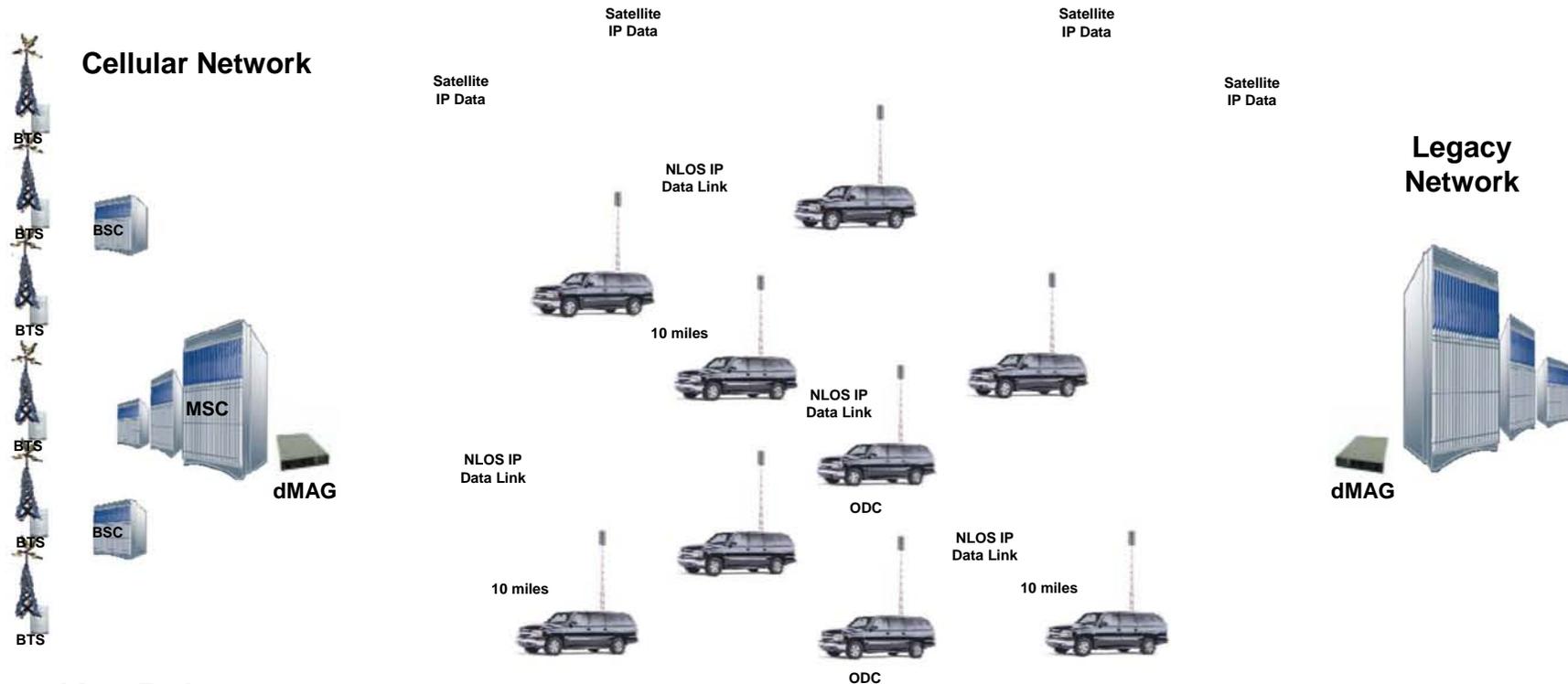
Architecture Difference





Swarm Networks

Rapidly Recover Cellular or Establish Cellular



Key Points:

- * Dynamic Network
- * Scales to Mission
- * Rolling Canopy of Coverage





Benefits of Lemko's ODC

- Automatically identifies, communicates with area phones
 - Captures ALL home and roaming devices
 - No need to enter numbers or IDs
 - No 'spam' or hacking threats
- Ability to block or allow calls based on terrorism threat or potential
- May 'capture' frequencies; then release so regular service continues
- Uses COTS platforms, compatible with all commercial cellular phones and devices





China Emergency On Demand Cellular

- Partners:

- Emergency Relief Promotion Center of the Ministry of Civil Affairs
- Chery Automotive
- Anhui Investment Group
- China Unicom
- Henan Provincial Government
- Tangshan Municipal Government
- Yulin Municipal Government
- Lemko

- Objectives: Emergency Rural Rescue: 4G Based

- Phases:

- Tangshan City Pilot
- “Chinese Social Wireless Communications Network for Emergency Rescue” Report
- Rollout: 2011-2016 (RMB 10 Billion annually)

Lemko – Chery Vehicle





FCC Public Safety Goals

1. Public Safety Network
 - Create nationwide interoperable broadband wireless network
 - **Cost effective broadband wireless network for urban and rural areas**
2. Next Generation 911
 - Extend location information to broadband
 - **Local call control for better location information**
3. Alerting
 - Development of a comprehensive next-generation alert system
 - **Range of capabilities from local, targeted alerts to nationwide capabilities**
4. Critical Infrastructure
 - Enhance measures to protect critical infrastructure
 - **Internet architecture provides internet-like survivability**
5. Emergency Preparedness
 - Preserve broadband communications during emergencies
 - **Highly portable for rapid replacement in disaster impact area**





Public Safety Game Changer



China Deploys Lemko's SWARM Net
Over 150 in Service with China's FEMA

