LTE Evolution For
Public
Safety
Bringing Content to Users

Medical Emergency
Advanced Features
Database
Police Emergency
Sensors
Disaster Relief
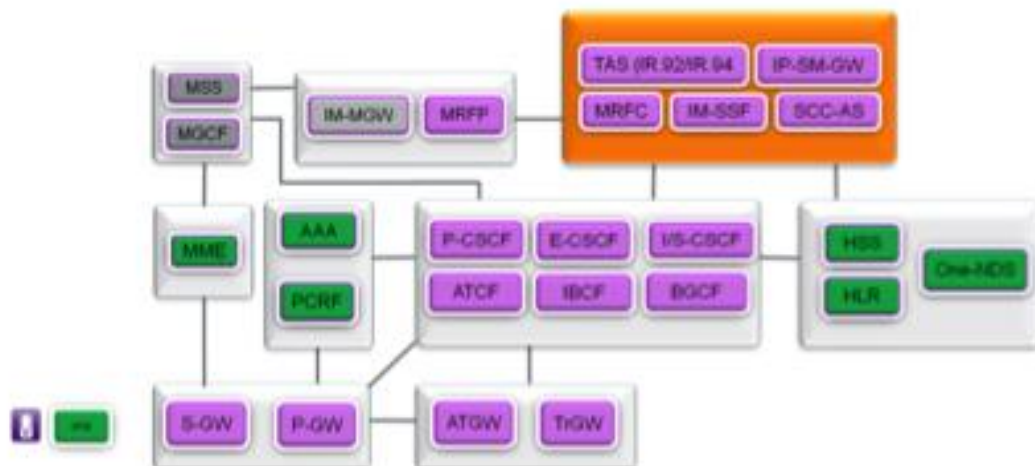Surveillance
First Response
Situation Awareness

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LTE for Public Safety

- High Bandwidth
- Thousands of connected users
- E2E Security
- Boomer Cell, Small cell
- Seamless roaming
- Strong evolution path
- HD voice and video
- Advance devices and tablets
- Rich PS Applications

LTE Brings New Network, New Applications, New Services

Public Safety VoIP/Video Services

VoIP/Video Client on Devices

NSN eNodeB
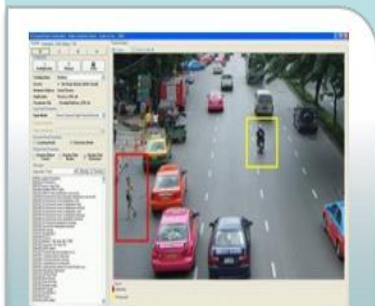
VoIP /Video Server in the Cloud Space

IMS/ Applications

LTE Core

Internet

Point to Point and Group VoIP/ Video calls without Core Network Connection

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Video Analytics

- Provides an automated intelligent video security solution through an advanced sensor detection suite that enables:

  - processing and analysis of video and sensor feeds

  - Application of video analytics

  - object detection

  - behavioral analysis techniques for security and surveillance applications

Sensors

Surveillance

Video Analytics at the Edge of the Network

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Content to the Edge – Local Database

License Plate Scanner

Situation Awareness

Localized ID Scan

Biometrics

NSN eNodeB

Local Databases

- Frequently requested content is cached locally

- Locally maintained database

- Uploads suspects details for local circulation

- Faster response time

Local caching of media, database – transparent to core network

LTE Capable Advanced Helmets - Real Time Details

Helmet equipped with:
- LTE band 14 Chip
- Camera
- Sensors
- Voice recognition

Biometric Measures

Advanced Features
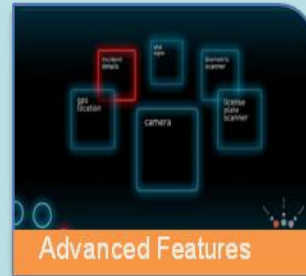
Thermal / Night vision

Floor plan with GPS

- Identify suspects using facial recognition, biometrics just by looking at them
- Uses thermal and night vision to identify suspects
- Capture and send live video to other helmets
- Receive alerts from motion sensors
- Scan license plates instantly
- Monitor basic vital signs
- Firefighter can Call up floor plans and GPS coordinates
- Paramedics can access medical records

Robocop helmet is not a fantasy anymore

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Thank you!