

# **Exhibit A**



Ligado Networks is creating innovative commercial and technology solutions delivering highly-secure and ultra-reliable communications over Custom Private Networks, all to accelerate 5G and the emerging Industrial Internet of Things.

Ligado Prepared to Deploy Mid-Band Spectrum Today

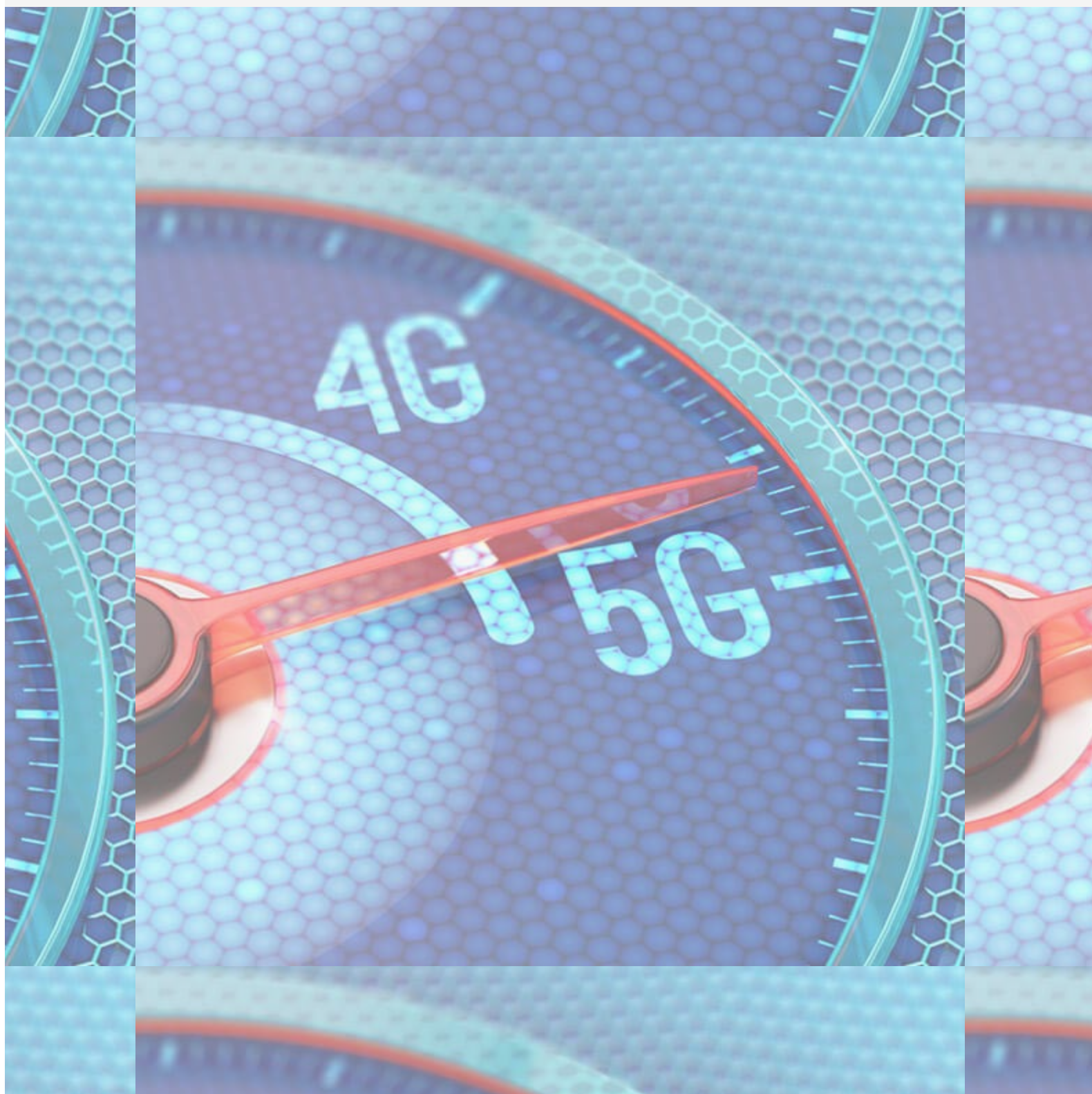
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The 5G Network of Networks

As the wireless industry develops its technology roadmap to meet the broad requirements of the 5G future, mobile networks that once operated independently must now work in close harmony to deliver innovations that go beyond voice quality improvements and higher data speeds. In addition, connectivity providers need to embrace new operating models for wireless deployment and network management. That's why Ligado is working with industry leaders to deploy Custom Private Networks and 5G IoT solutions for the industrial sector.

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## Spectrum to Accelerate 5G

To make the 5G vision a reality, it is more crucial than ever to have available spectrum in all band categories. 5G will need the right mix of available spectrum to support super-fast data speeds, high-density traffic applications, and ultra-reliable, low-latency communications. These unique capabilities require unique spectrum assets that leverage each band's core deployment strength.

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## Coverage and Reliability for Critical Communications

Ligado's powerful SkyTerra 1 Satellite is specifically designed to provide robust mobile connectivity to small, low-power devices throughout North America. As part of the 5G future, our satellite network will meet the critical IoT requirements of service ubiquity, service continuity and service scalability.

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"As mobile networks evolve to accelerate 5G and Industrial IoT solutions, Ligado's vision for Custom Private Networks represents a new approach combining superior performance, innovative spectrum use, and flexible network management to serve the demands of critical industries and advance the next-generation of American infrastructure."

— *Ivan Seidenberg*  
*Chairman of the Board, Ligado Networks*

### The Latest

#### PRESS RELEASE


[Ligado Networks CEO Doug Smith Statement on Section 7 Petition](#)

#### IN THE NEWS

[Is Airwave Nimbyism Holding Back 5G?](#)

#### INSIGHTS

[Spectrum Needs for the 5G Future](#)

RT [@LigadoInsights](#): ICYMI: Ligado filed a Section 7 petition with the [@FCC](#) requesting prompt action on our application. Forr 

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# **Exhibit B**



# network **noun**

net· work | \ 'net-, wər k \

## Definition of *network* (Entry 1 of 2)

- 1** : a fabric or structure of cords or wires that cross at regular intervals and are knotted or secured at the crossings  
*// ... ribbons, lace and embroidery wrought together in a most curious piece of network ...*  
— Joseph Addison
- 2** : a system of lines or channels resembling a network  
*// a telephone network*  
*// a network of blood vessels*
- 3** **a** : an interconnected or interrelated chain, group, or system  
*// a network of hotels*  
**b** : a system of computers and peripherals that are able to communicate with each other
- 4** **a** : a group of radio or television stations linked by wire or radio relay  
**b** : a radio or television company that produces programs for broadcast over such a network  
*// sold the show to a big network*
- 5** : a usually informally interconnected group or association of persons (such as friends or professional colleagues)  
*// a support network available to single mothers*



# network **verb**

networked; networking; networks

## Definition of *network* (Entry 2 of 2)

*transitive verb*

**1** : to cover with or as if with a network

// a continent ... so *networked* with navigable rivers and canals

— *Lamp*

**2** *chiefly British* : to distribute for broadcast on a television network

*also* : BROADCAST sense 3

**3** : to join (things, such as computers) in a network

*intransitive verb*

: to engage in networking

### Other Words from *network*

### Synonyms

### More Example Sentences

### Learn More about *network*

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*Keep scrolling for more*

## Other Words from *network*

### Verb

**networker** \ 'net- ,wər- kər \ *noun*

## Synonyms for *network*

### Synonyms: Noun

mesh, net, netting

[Visit the Thesaurus for More](#) 

## Examples of *network* in a Sentence

### Noun

// He hooked up his computer to the *network*.

// The show is getting good ratings for the *network*.

### Verb

// The computers are *networked* to one main server.

// She spent the day *networking* with other executives.

[See More](#)  

## Recent Examples on the Web: Noun

// These bad-faith actors now reach a sizable portion of the United States, whether through talk radio, websites, or *networks* like Fox News.

— Oliver Darcy, *CNN*, "In the age of the information wars, Mueller's traditionalist approach was his major flaw" July 2019

// According to the *Sports Business Journal*, Dish Network, which also owns Sling TV, decided to drop all of Fox's regional sports *networks*, including Fox Sports Detroit, at noon Friday.

— Kirkland Crawford, *Detroit Free Press*, "Fox Sports Detroit blacked out on some TVs starting Friday afternoon" 26 July 2019

// He's unfazed by the steady stream of stars that visit the office (about three per day), and can talk at length about optimizing for page load time and the benefits of programmatic ad *networks* (the primary way Famous Birthdays monetizes).

— Taylor Lorenz, *The Atlantic*, "A Wikipedia for Generation Z," 25 July 2019

// In a poll published on June 22nd, TVBS, a KMT-leaning *network*, found Ms Tsai ahead with support of 37%, compared with 29% for Mr Han and 20% for Mr Ko.

— *The Economist*, "Tsai Ing-wen's prospects for re-election have improved," 25 July 2019

// Allegiance later also made special arrangements for an in-*network* option in Missoula.

— *CBS News*, "Man on life-saving kidney dialysis billed \$540,000 for 14 weeks of care: 'It was overwhelming'" July 2019

// Certain broadcast *networks*, such as NBC and ABC, will air the testimony as well.

— Christian Allaire, *Vogue*, "How to Watch the Robert Mueller Testimony," 24 July 2019

// This led to the creation of radio stations, then the red and blue TV *networks*, which became NBC and ABC.

— Jefferson Graham, *USA TODAY*, "RCA @100: anniversary of firm that popularized radio, TV and more," 21 July 2019

// Specifically, at Feeding America-*network* food banks—of which there are over 200 across the country—there are other ways to get involved, Jelinski says, from teaching healthy cooking classes to gathering unharvested crops from regional farms. 4.

— Jillian Kramer, *Redbook*, "5 Ways You Can Help Your Community's Kids Eat This Summer," 19 July 2019

### **Recent Examples on the Web: Verb**

// And many of them were here to promote their channels, to *network* with other creators and to make strides toward the dream of internet fame.

— Kevin Roose, *New York Times*, "Don't Scoff at Influencers. They're Taking Over the World.," 16 July 2019

// The event also features three days of educational sessions, *networking* opportunities and exposure to the latest HR products and services.

— Justin L. Mack, *Indianapolis Star*, "Who are those people Downtown? Indianapolis summer convention list," July 2019

// The 3-day event series aims to develop female leadership within the music industry by providing attendees with training seminars, *networking* opportunities, and executive coaching.

— Kwasi Boadi, *Billboard*, "Rising Execs Eye a More Inclusive Industry at American Express' Women in Music Leadership Academy," 24 June 2019

// In May, President Trump ordered American companies on national-security grounds to stop se components to companies like Huawei, China's big maker of mobile phones and *networking* equipment.

— Don Clark, *New York Times*, "Trade War Has Damaged U.S. Chip Industry in Ways a Deal May Never Fix," June 2019

// The day, which features a *networking* breakfast where all proceeds go towards charity, feature Brennan and Tony award winning actress Kelli O'Hara.

— Shawn Mcfarland, *courant.com*, "Travelers notebook: Patrick Cantlay, in striking distance after day one, Bu Watson confident," 20 June 2019

// Central Florida stations will be in local news with the option of going to *network* coverage from France.

— Hal Boedeker, *orlandosentinel.com*, "D-Day: Coverage starts early Thursday; Trump talks to Ingraham," 5. 2019

// Dogs and their handlers participated in the three-day event that allowed handlers time to *netw* and exchange best practices, rehearse the course with their dogs and take the exam to earn a t year certification.

— Nina Bertelsen, *Milwaukee Journal Sentinel*, "Canine teams from the Midwest are training in Wisconsin this week. Here are 9 things to know about explosive-sniffing K-9s," 24 Oct. 2018

// Despite the investment of vast resources over the past 20 years, the extreme fragility of existin qubits has so far restricted efforts to *network* them and has even fueled uncertainty about wheth the technology will ever materialize.

— *Quanta Magazine*, "Forging a Qubit to Rule Them All," 15 May 2014

These example sentences are selected automatically from various online news sources to reflect current usage of the word 'network'. Views expressed in the examples do not represent the opinion of Merriam-Webster or its editors. Send us feedback.

[See More](#)  

## First Known Use of *network*

### Noun

1530, in the meaning defined at sense 1

### Verb

1845, in the meaning defined at transitive sense 1

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## Learn More about *network*

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### Share *network*



### Dictionary Entries near *network*

net-veined

net weaver

net-winged

**network**

networking

net-zero

Neuchâtel

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Keep scrolling for more

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## More Definitions for *network*

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### **network** noun

#### **English Language Learners Definition of *network* (Entry 1 of 2)**

: a system of lines, wires, etc., that are connected to each other

: a system of computers and other devices (such as printers) that are connected to each other

: a group of people or organizations that are closely connected and that work with each other

### **network** verb

#### **English Language Learners Definition of *network* (Entry 2 of 2)**

: to connect (computers) in a way that allows information and equipment to be shared

: to talk with people whose jobs are similar to yours especially for business opportunities or advice

See the full definition for *network* in the English Language Learners Dictionary

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# network noun

net· work | \ 'net-,wɜrk \

## Kids Definition of *network*

- 1 : an arrangement of things forming a pattern with spaces between  
*// a network of roads*
  - 2 : a system of computers connected by communications lines
  - 3 : a group of connected radio or television stations
- 

# network noun

net· work | \ 'net-,wɜrk \

## Medical Definition of *network*

- 1 : a fabric or structure of cords or wires that cross at regular intervals and are knotted or secured at the crossings
  - 2 : a system of lines or channels resembling a network  
*// a network of veins*
- 
- 

*Keep scrolling for more*

## More from Merriam-Webster on *network*

Rhyming Dictionary: Words that rhyme with *network*

Thesaurus: All synonyms and antonyms for *network*

Spanish Central: Translation of *network*

Nglish: Translation of *network* for Spanish Speakers

Britannica English: Translation of *network* for Arabic Speakers

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What made you want to look up *network*? Please tell us where you read or heard it (including the quote, if possible).

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### WORDS AT PLAY





## **The Word History of 'Swag'**

A word that has added meanings for centuries

## **The Sometimes Subtle Difference Between 'Conflate' and 'Equate'**

They're not the same, but they are confusing

## **The Good, The Bad, & The Semantically Imprecise - 8/2/19**

Words from the week of 8/2/2019

## **Following 'Suit' from the Court to the Closet**

A tale of court, clothing, and cards

### **ASK THE EDITORS**

## **On Contractions of Multiple Words**

You all would not have guessed  
some of these

## **A Look at Uncommon Onomatopoeia**

Some imitative words are more  
surprising than others

## Literally

How to use a word that (literally) drives some people nuts.

## Is Singular 'They' a Better Choice?

The awkward case of 'his or her'

## WORD GAMES

## Obscure Shapes

Surprisingly specific words for shapes.

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## What's that Smell?! Quiz

Words for odors and such...

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## Spell It

Can you spell these 10 commonly misspelled words?

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## **Exhibit C**



[Blog](#) | [Ligado Networks](#) | [Ashley Durmer](#) | March 14, 2018

## Ligado CEO Discusses Plans to Dedicate Licensed Spectrum to Serve Industrial Sector

Ligado CEO Doug Smith spoke at the Bipartisan Policy Center about the potential for Custom Private Networks to unlock the power of 5G and critical IoT connectivity for core infrastructure industries like utilities, transportation and manufacturing.

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RT [@LigadoInsights](#): ICYMI: Ligado filed a Section 7 petition with the [@FCC](#) requesting prompt action on our application. Forr



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[Press Releases](#) | June 25, 2019

[Ligado Networks CEO Doug Smith Statement on Section 7 Petition](#)



[Blog](#) | Doug Smith | June 13, 2019

[Spectrum Needs for the 5G Future](#)



# AMERICA'S 5G FUTURE IS BRIGHT



Press Releases | May 9, 2019

Ligado Networks CEO Doug Smith Commends FCC Action on Mid-Band Spectrum



Press Releases | April 17, 2019

Ligado Networks Commends FCC Action on Mid-Band Spectrum



[Press Releases](#) | April 12, 2019

[Ligado Networks CEO Doug Smith Applauds Trump Administration's Efforts to Win the Race to 5G.](#)



[Press Releases](#) | February 21, 2019

[Ligado Networks Board of Directors Reaffirms Commitment to Investment in America's 5G Infrastructure](#)

”

As mobile networks in the United States evolve to serve the emerging 5G market, Ligado’s vision for an advanced network — one that will enable satellite and terrestrial use of mid-band spectrum — represents an innovative way to accelerate delivery of next-generation connectivity to serve the demands of mission-critical industries that benefit our entire country.

”

**Ivan Seidenberg**

Chairman of the Board,  
Ligado Networks

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