

# Butler County Next Generation 911

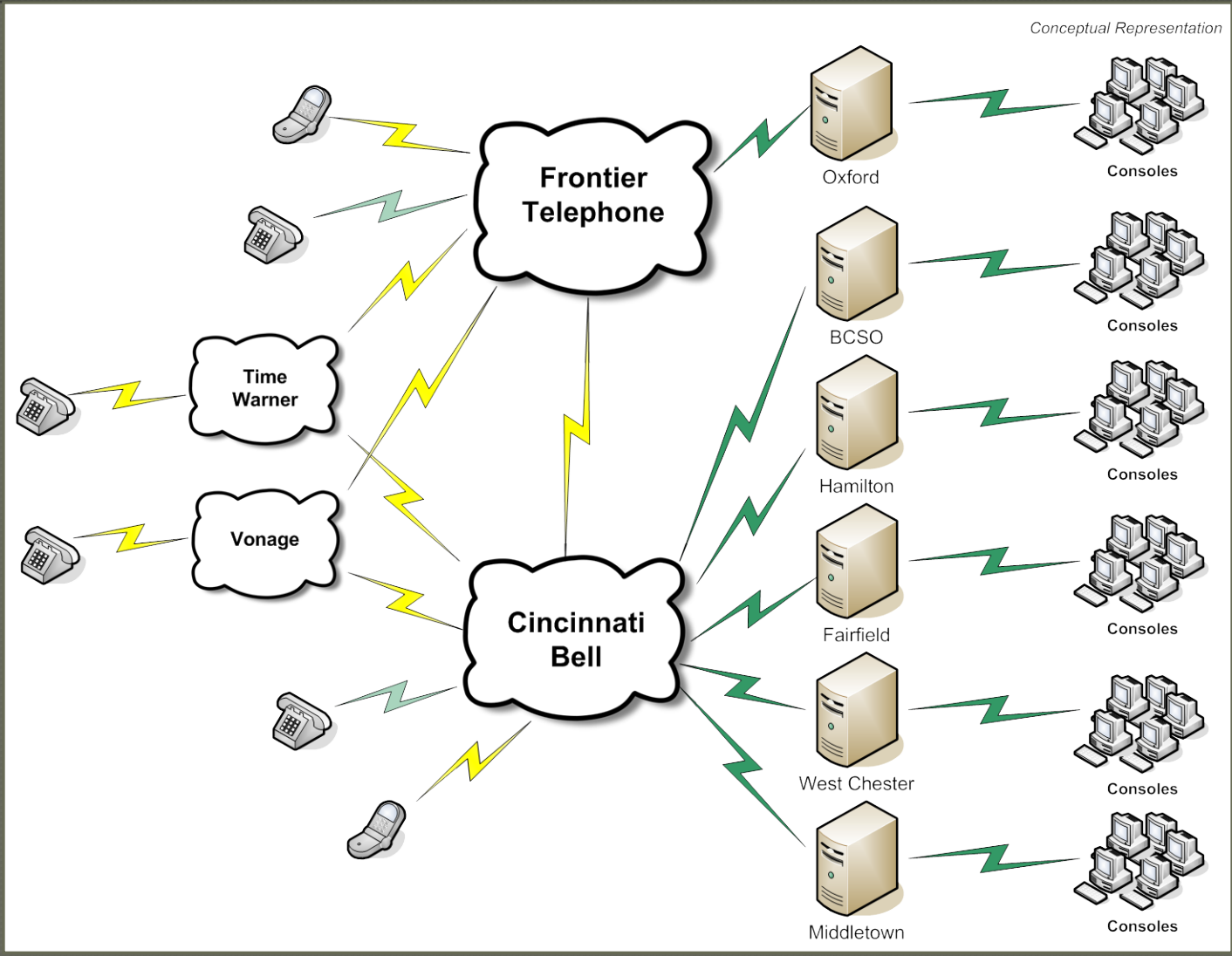
The more functional, efficient,  
and feature rich future of 911.

# What is NextGen 911?

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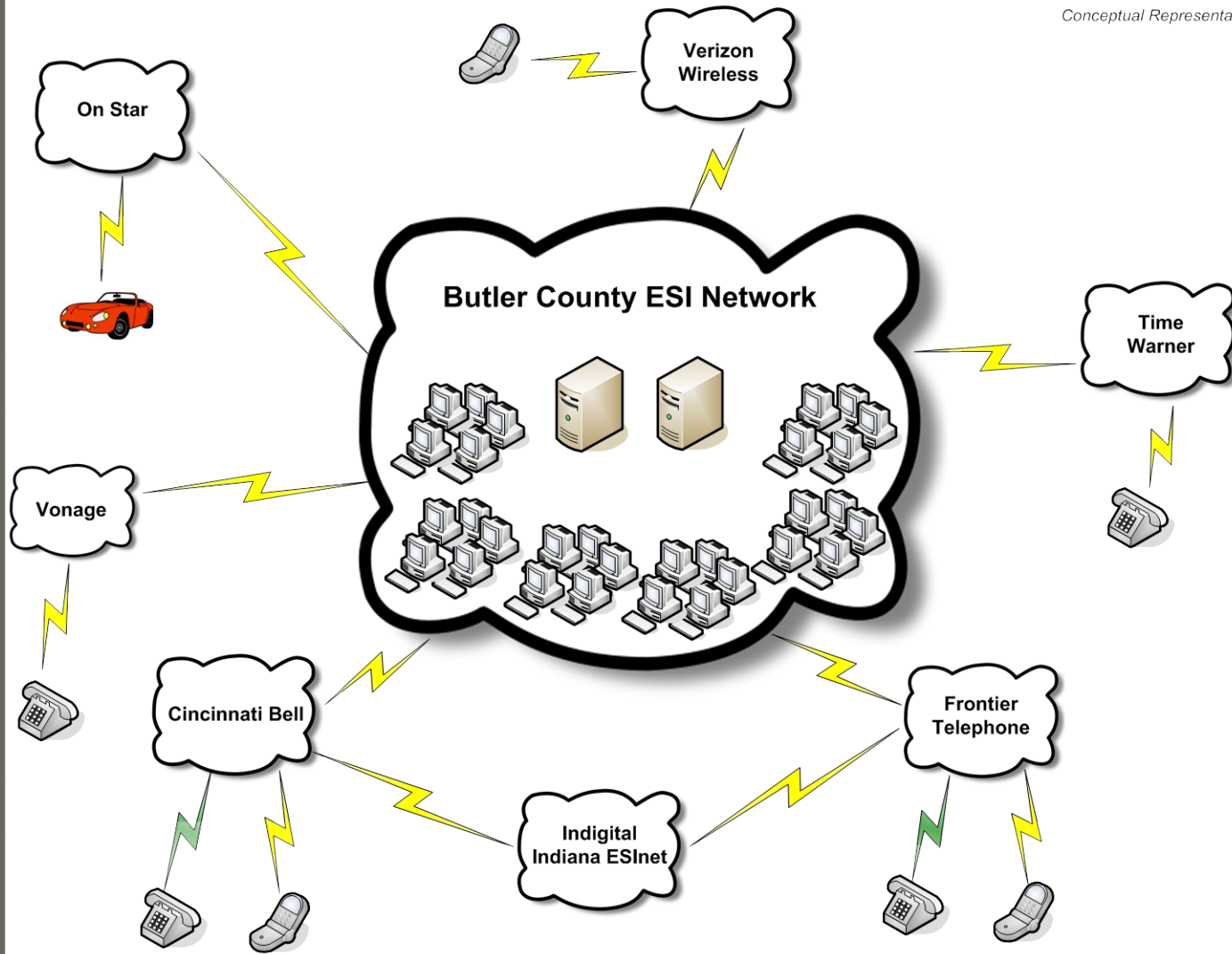
- Next generation 911 is the transition of 911 service from the traditional analog connectivity to digital IP (Internet Protocol) connectivity
- This new connectivity is capable of carrying any type of data
  - We will soon see phone providers making additional information available to NG911 PSAPs
    - Text
    - Video
    - Pictures
    - Telematics

# Today



# Future

Conceptual Representation



# Benefits

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- Ability to directly connect emergency services together
  - Previously connected through telephone provider
  - Seamless call transfers
  - Faster call transfers
  - Ability to transfer data along with call
- Distance and location no longer create problems
  - Can transfer NG911 calls across the country in a fraction of a second

# PSAP Backup

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- These new systems will allow all PSAPs to use any other PSAP as a potential backup location
- Dispatchers can login from any location and access their agencies resources
  - Profile based software
- Call overflow
- Location based routing

# ESI Networks

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- Network of Network
- Regional ESI networks are currently in place
  - Kentucky, Indiana, Iowa, etc...
- Statewide ESI networks currently exist
  - Indiana and Vermont
- No ESI networks currently exist in Ohio
  - State of Ohio has no plan to build a statewide ESI network
- By building our own ESI network we will improve functionality and future proof our 911 infrastructure

# Hosted Solution

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- No initial investment
- Large monthly fees
- Maintenance and configuration handled by vendor
- Lack of control over some aspects of configuration
- Lack of control over connectivity to ESI networks and other resources
- Difficult to move away from the hosted format
  - Must purchase entire other system
  - Monthly fees are not an investment



# Shared Servers

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- ◎ Equipment owned by PSAPs
  - Redundant servers located in Butler County PSAPs
- ◎ Investment in our 911 future
  - Ability to configure all aspects of the software to meet the needs of Butler County
  - Utilize existing network
  - Ability to choose what ESI networks and other resources the system is connected to
  - Ideal solution where a network exists and money is available for the initial investment
- ◎ Lower long term costs

# Why Now?

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- ◉ Butler County Sheriff's Office PSAP moving
- ◉ Anticipated changes in Oxford
- ◉ The system will create a long term cost savings
- ◉ Texting is not the future, it is the present
  - 911 has fallen behind
- ◉ The technology is available and being utilized around the country
  - Indigital

# What we have learned

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- The industry leader is right next door
- Our current carriers are capable of providing the new digital service
- The State of Ohio has no plan to move forward
- We have most of the internal connectivity already in place
- A county wide system utilizing shared servers and the existing fiber is the best fit for Butler County 911

# Where do we go from here?

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- ◉ Begin narrowing our focus
  - Configurations that fit Butler County
- ◉ Site Visits
  - See the product in action
  - Talk to users
  - Talk to administrators of the system
- ◉ Attain complete/accurate pricing
- ◉ Make an official recommendation