

## **Practice Makes Perfect**

### Lessons Learned from Earlier Pre-testing

September 29, 2021

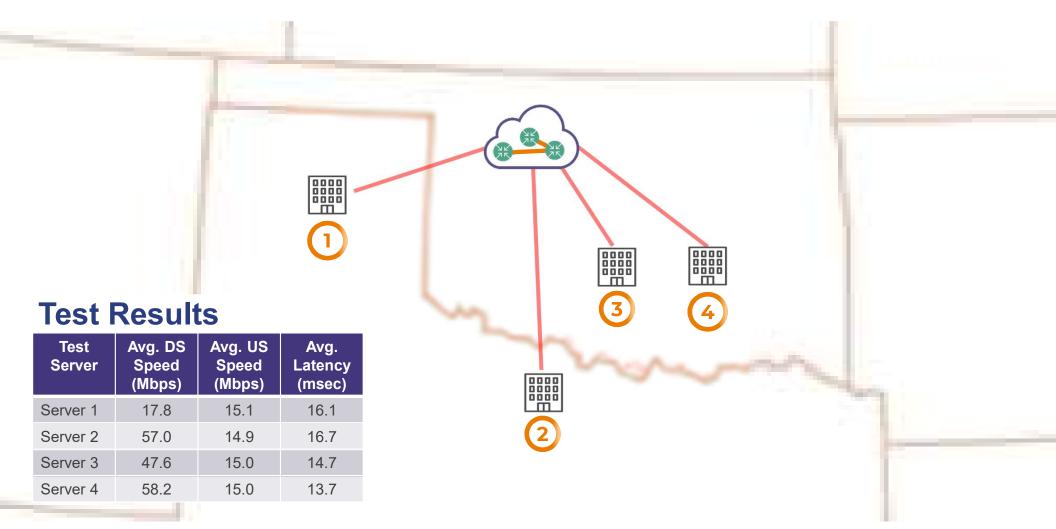
## **Five Practices that Maximize Results**



- **Optimize server location**
- - Sanitize HUBB data
  - Prepare data for subscriber selection
- Analyze results and resolve trouble
- **Review results before submitting**



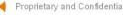
## **Optimize Server Location**



## Sanitize HUBB Data

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	New Advance Measures Module									
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- Needs to be complete
- Check accuracy of geocodes, addresses
- **Compare HUBB data w/map**
- **Compile active locations**
- **Collect additional PMM data** needed



## **Prepare data for subscriber selection**

#### From Building Out To Testing—Driven By The HUBB

Locations



Locations



Mark Active

Locations













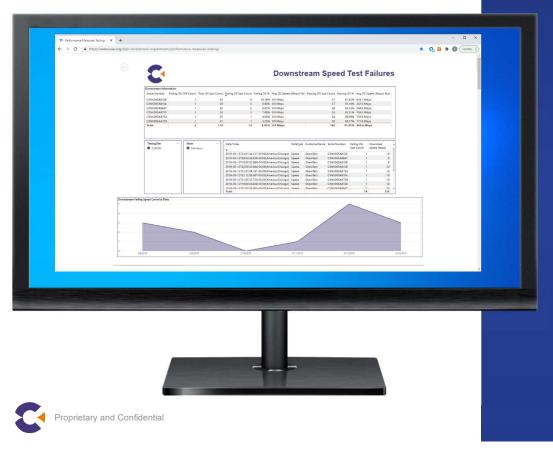








- Maximize # of locations consider updating HUBB data before January 2022
- Make note of FCC waiver for reduced subscribers
- Test solutions that ease subscriber recruitment



# Analyze results and resolve trouble

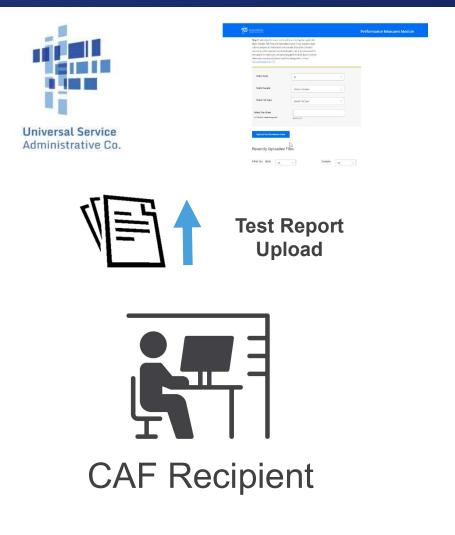
- Identify endpoints w/ latency and speed failures
- Drill down on locations experiencing problems
- Test path impairment points
- Consider retesting for that quarter

## **Review results before submitting**

- Each quarter, carriers must certify and upload to the PMM system on the required date
- Don't wait take the time necessary to ensure:
  - All test groups were executed

ietary and Confidential

 Information is correctly formatted



## Broadband Performance Testing Service



- Update HUBB and download randomized list
- Set up FCC tests based on speed tier and state
- Load endpoints from randomized list
- Set up additional active test scenarios



- Verify network readiness
- Proactively perform speed/latency testing
- Validate test servers
- Calix Professional Services will process and analyze the results



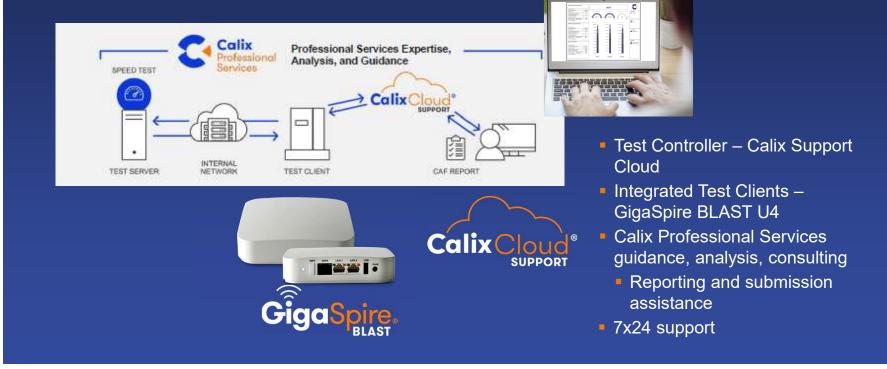
- Joint review of Broadband Performance Testing report
- Analyze upstream, downstream speed results
- Review speed and latency test failures for corrective action
- Monitor skipped tests
- Review Calix Support Cloud reports



- Build reports (using FCC USAC format for CAF)
- Submit and validate quarterly reports to the HUBB

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### A Simple, Comprehensive Solution Broadband Performance Testing Solution







# Thank You