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ATIC Board Meeting Agenda for September 11, 2019

1. Administrative
 - 1.1. Self-Introductions
 - 1.2. Modifications to and Acceptance of Agenda Draft
 - 1.3. Acceptance of Minutes from July 10, 2019 Board Meeting
 - 1.4. Treasurer's Report
 - 1.5. ATIC Board Membership Considerations
 - 1.6. Review of Outstanding Action Items as Documented in July 10, 2019 Minutes
2. Informational Presentations
 - 2.1. None Scheduled
3. Activity Reports
 - 3.1. Arizona Broadband Strategic Plan & FirstNet (Jeff Sobotka, Karen Ziegler)
 - 3.1.1. ACA Broadband Strategy & ATIC Role/Support
 - 3.2. Arizona Broadband Stakeholder Network (Steve Peters)
 - 3.2.1. GAZEL Seed Funding Request
 - 3.3. Rural Community Outreach (Bill Bolin, Karen Ziegler)
 - 3.4. K12/GAZEL (Steve Peters, Nan Williams)
 - 3.4.1. Arizona Technology in Education Association (AzTEA)
 - 3.4.2. Labster Virtual Laboratory Simulations Consortium
 - 3.4.3. Generation Yes Computer Science & IT Training Programs
 - 3.4.4. Other Innovative Learning Collaborative Initiatives for 2019
 - 3.5. Arizona State Library (Holly Henley, Mala Muralidharan)
 - 3.6. Telehealth (Janet Major)
 - 3.7. Government Affairs (Mike Keeling, Mark Goldstein)
 - 3.7.1. AZTC State Broadband Policy Brief 2020
4. Information and Action Plans
 - 4.1. ATIC Website Status & Outlook (All)
 - 4.2. ATIC Mailing List & CRM (All)
 - 4.3. New Business and Motion Considerations (All)
5. Events Attended and Upcoming Meetings
6. Announcements
7. Adjourn



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ATIC Board Meeting

Logistics for September 11, 2019

Note: For this ATIC Board Meeting on Wednesday, September 11, 2019 from 12:00-2:00 PM we're under the Capitol Dome in the Historic Supreme Court Chamber on the 2nd floor of the Arizona State Library, 1700 W. Washington St., Phoenix AZ 85007.

Remote Connect Instructions

- **PC or MAC:** For audio, video and web conference on PC or Mac
<https://gazel.zoom.us/j/753706980>
- **IOS:** For audio, video and web conference on iPhone, iPad, iPod touch: Install App: [Apple Store](#) -"zoom".
Enter meeting ID 753 706 980.
- **Android:** Audio, video and web conference on Android: Install App: [Google Play](#) - "zoom"
Enter meeting ID 753 706 980.
- **Video and web conference on computer and audio by telephone:** <https://gazel.zoom.us/j/753706980>.
- **For Audio by Phone During Zoom Session or Standalone Telephone Connection:** Dial (415) 762-9988. Enter meeting ID 753 706 980. You will be prompted to enter your unique participant ID - Press # to skip



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ATIC Board Meeting Minutes

July 10, 2019

On-Site Attendees:

ATIC Board Members: Michael Cohen, Jerry Crow, Oris Friesen, Henry Goldberg, Mark Goldstein, Holly Henley, Ron Schott, Jay Schlum, Jeff Sobotka

ATIC Associates & Guests: Mala Muralidharan, Nicole Umayam

Remote Attendees:

ATIC Board Members: Mike Keeling, Steve Peters, Andy Phelan

ATIC Associates & Guests: Kirk Busch, Tracy Rexroat, Jim Soudriette, Karen Ziegler

Quorum Met with 12 ATIC Board Members Present (Quorum = 9)

Many thanks to Zoom Video for video conferencing capabilities and to the Arizona State Libraries for providing meeting facilities, technical support, and hospitality.

Note: For this ATIC Board Meeting on Wednesday, July 10, 2019 from 12:00-2:00 PM, we're at the Library Services Center (formerly Records Management Center) at 1919 W. Jefferson St., Phoenix on the west side of the railway track on 19th Avenue. The parking and entrance are at the back of the building. Our Conference Room is on the first floor.

A schedule of the ATIC Board meetings for the remainder of 2019 can be found at the end of these minutes.



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 - 3.4.1. Arizona Technology in Education Association (AzTEA)
 - 3.4.2. ATI Institute Renaming/Repurposing
 - 3.4.3. Labster Virtual Laboratory Simulations Consortium
 - 3.4.4. Generation Yes Computer Science & IT Training Programs
 - 3.4.5. Other Innovative Learning Collaborative Initiatives for 2019
 - 3.5. Arizona State Library (Holly Henley, Mala Muralidharan)
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ATIC Board Meeting Minutes

July 10, 2019

1. Administrative

1.1. Self-Introductions

See the list of attendees above.

1.2. Modifications to and Acceptance of Agenda

MOTION: To accept the Agenda as submitted.

**MOVE: Oris Friesen
SECOND: Ron Schott
Passed Unanimously**

1.3. Acceptance of Minutes from June 12, 2019 Meeting

MOTION: To accept the Minutes of the June 12, 2019 with minor corrections.

**MOVE: Henry Goldberg
SECOND: Jay Schlum
Passed Unanimously**

1.4. Treasurer's Report

Ron Schott, Treasurer reported that current funds on hand as of July 8, 2019 total approximately \$22,548 with recent expenses. Ron circulated Desert Financial Credit Union reports with account and transaction details for Board reference which are included at the back of these Minutes.

Without any current monetary sponsors, sustainability remains a concern. The Executive Committee committed to review and strategize accordingly.

1.5. ATIC Board Membership

Board Updates This Year: Jeff Sobotka was reaffirmed as a Board Member in his new role at the Arizona Commerce Authority (ACA) and has since been appointed Director of Broadband. Karen (Knight) Miller, Business Development Manager at Zayo Group was elected to the Board. Several inactive Board Members were asked to step back to Associate roles leaving 24 current Board Members.

New Board Prospects: We continue to need to expand participation with direct State of Arizona representation, as well as a focus on rural and native stakeholder representation, especially from the economic development community, as well as representatives from municipal, county, and higher education CIOs, plus of course stronger broadband industry participation going forward.

Jay Schlum, ATIC Chairman has met individually with select current Board members to garner their opinions about ATIC in the current environment and gauge their interest in actively participating. Now that the redesigned website has launched it is timely to engage new Board prospects and a cover letter template to personalize has been developed for use when reaching out to new parties seeking their active involvement in ATIC and consideration of a Board role. Mark agreed to take share the outreach task with Jay. Potential Board prospects discussed include:

- Michael Sherman, Sun Corridor Network
- Morgan Reed, Arizona CIO (Karen Ziegler/ADOA could proxy)
- Satish Pattisapu, Arizona Department of Education CIO (Milan Eaton/ADE could proxy)
- Ken Dewitt, Navajo County CIO
- John Lucas, Community Broadband Advocates (former Graham County CIO)
- Jim Simms, One Random Act (ORAct) LLC
- Michael Britt, Copper Dome Consulting (former State of Arizona FirstNet Manager)
- Gil Gonzales, Gonzales Group LLC
- Ron Drake, County Administrator, La Paz County (Former Avondale Mayor & Qwest)
- Wendy Quarles Bridges, Economic Development Coordinator, City of Prescott
- Lev Gonick, ASU CIO and/or Sethuraman (Panch) Panchanathan, EVP, ASU Knowledge Enterprise & Chief Research and Innovation Officer, ASU
- Mark Jeffries, Frontier Communications
- Toni (Morales) Broberg, Director, External & Legislative Affairs, AT&T
- Rachel Aja, Manager, Government and Regulatory Affairs, Cox Communications (Note: Chris Poole has moved from SRP to Cox as Director of Operations)
- Omar Alam, ViaSat
- Jessica Woods, Fatbeam
- Rick Eberhardt, TruCom
- Melissa Armas, Arizona Blockchain Initiative & Project Phoenix
- Tom Belshe, Deputy Director, League of Arizona Cities & Towns
- Craig Sullivan, Executive Director, County Supervisors Association of Arizona
- Chris Becenti (Replaced Teresa Hopkins), Navajo Nation
- Mark DiBlasi or Nancy Kaulbaugh, Mojave County Education Consortium
- Additional telecom provider, tribal & rural economic development representation

Removed from Consideration:

- Vincent Nicholes, T-Mobile - Moving to Northern California

Ron Schott indicated that the Phoenix Business Journal edition of 5/10/19 had a table of the Phoenix area's 18 largest telecom contractors on page 14. Mark Goldstein provided a copy to Jay Schlum and the Executive Committee.

Additional inactive Board members should be approached to relinquish their Board seats if not committed to actively participate going forward. Mark will work with the Executive Committee to identify such Board members and communicate with them.

1.6. Review of Outstanding Action Items as Documented in June 12, 2019 Minutes

Mark Goldstein and Jay Schlum have yet to send out the planned Board engagement letters.

2. Informational Presentations

2.1. None Scheduled.

3. Activity Reports

3.1 Arizona Broadband Strategic Plan & FirstNet (Karen Ziegler, Jeff Sobotka)

Jeff Sobotka, Arizona Director of Broadband at the Arizona Commerce Authority (ACA), was a key speaker at the Arizona Broadband Stakeholder Network (ABSN) Roundtable on May 28, 2019 and gave an extended update at this Board meeting. He continues to meet people and communities statewide, seeking to partner with as many as possible and asks for suggestions and contacts with whom to connect. Jeff intends to gather regional broadband information and act as a clearinghouse for broadband stakeholders.

This year the ACA has \$3 million to provide matching funds to offset construction costs of expanding broadband services in underserved rural areas across the state. Grants will be awarded to local partnerships or ventures with clear and achievable plans to improve broadband services in one or more underserved rural areas. The grants might provide for community assessments or technical designs, matching funds for federal or other grants or specific project implementation investments under the ACA program awaiting definitions and rules. Jeff indicated there would be some \$550M available for federal rural broadband infrastructure grants and urged that cities and regions develop and submit applications for such funding. Merging e-rate with state funds has been really successful in Apache County.

Arizona broadband middle mile backhaul capabilities remain insufficient in many areas, one example being Snowflake. With some minor regulatory reform and cooperation from the Arizona State Land Department (ASLD), we can enable utilities to sublease their fiber assets, thus electric grid infrastructure and associated ROW of the major utilities as well as electric coops could increasingly be utilized for rural fiber deployment delivering broadband service as well as wireless and wireline backhaul.

Jeff urged ATIC and others to link up with rural communities. Mark and Ron made the case that ATIC has long focused on rural areas and their broadband challenges supporting the wave BTOP grants and holding regional rural workshops under contract to ASET in the past. Simply Bits appears interested in rural development for their wireless products and offerings.

Jeff praised the recent AZBSN conference that Steve Peters produced on behalf of ATIC and GAZEL and foresees opportunities to collaborate and assist in spreading the word going forward. ACA should have launched their new grant program within 60 days and will strive to make the application process easy to understand and less cumbersome to apply for than federal grants. However, Jeff wants to encourage stakeholders to aggressively seek e-rate funding, USDA grants, and other funding resources.

The State Strategic Broadband Plan has been updated, is undergoing internal review, and will be published shortly. The ACA Broadband page at <https://www.azcommerce.com/broadband/> links to the Arizona Broadband Strategic Plan from February 2018, as well as to Grant Resources and other Broadband Resources. The Arizona Digital Highways Bill is detailed online at <https://aset.az.gov/digital-highways>.

ATIC remains keenly interested in helping the State undertake such initiatives and provide leadership to help facilitate broadband development in areas such as hosting rural workshops, grant writing and reviewing, as well as advising and assisting. Several Board members suggested that ATIC continue to foster a dialogue to discuss our strategic and support role relative to the State in general and ACA broadband initiatives specifically.

Karen Ziegler, Arizona FirstNet Project Manager (<https://azfirstnet.az.gov/>) continues to support broadband strategy and initiatives while focusing on FirstNet. ADOA Director Andy Tobin has been active in rural broadband and e911 discussions. AT&T is aggressively working on FirstNet, having built 8 new towers with 19 additional ones in process. Over 5K public safety users are participation and the program is moving from pilot mode to full deployment.

3.2 Arizona Broadband Stakeholder Network (Steve Peters)

The Arizona Broadband Stakeholder Network (AZBSN) was formed last year as a partnership between ATIC and GAZEL to facilitate discussion between key state government officials and other stakeholders, follow up on the State broadband rural focus groups and strategic plan issuance for leveraging State/ACC funding, assist with leveraging E-rate funding, and developing public private partnerships. The Arizona Broadband Stakeholder Network (AZBSN) web presence resides at <https://www.arizonatele.org/about-stakeholder-network.html>.

A leadership team led by Steve Peters held several meetings to develop and hold a Broadband Stakeholder Roundtable on Tuesday May 28, 2019. The Roundtable was held from 2:00-6:00 PM at Rio Salado Community College in Tempe, registering about 70 onsite and another 28 remote participants. The program included former FCC Chairman Tom Wheeler's keynote, Schools, Health & Libraries Broadband (SHLB) Coalition federal legislative updates, updates from broadband leaders, ignite presentations, exhibitors, and networking. Several ATIC partners as well as a few sponsors exhibited.

Event details and registration have been available on the web at <https://www.arizonatele.org/about-may-2019-roundtable.html>. After the Roundtable Info with videos, access to the presentations, and contact information is at <https://www.arizonatele.org/additional-roundtable-info.html>. Mark Goldstein's photo selections from the event can be viewed/downloaded on Flickr at <https://www.flickr.com/photos/mg-irc/albums/72157709501764931>.

Event financials included sponsorships of \$2500 remitted to GAZEL out of which Steve Peters was paid a \$2250 fee for event coordination and production and the balance used for credit card processing fees and a small reserve for future expenses. ATIC provided \$988.21 to cover expenses including event insurance, reception catering, signage & reproduction, as well as Steve's travel expenses. ATIC and GAZEL thank Steve for his concerted and successful efforts in bringing this event off and acknowledge that his efforts far exceeded the modest fee that the overall event budget was able to pay him.

Now that the first Roundtable is over the AZBSN leadership team will meet to discuss: How did we do? What were the challenges? What worked? What can we do better? What's next? How do we keep the momentum going? These are some of the questions we will address at the scheduled July 12, 2019 teleconference.

Both Steve and Mark are maintaining some ATIC limited distribution lists and using as needed. However, there remain issues as to how we can best acquire names and contact vectors of broadband stakeholders and interested parties to robustly rebuild our mailing list. ATIC and GAZEL should cooperate on merging their respective mailing lists and capture new contacts from the Roundtable and other sources into a common CRM platform to enable, manage, and streamline stakeholder communication.

A separate means of vendor engagement by ATIC should be developed in parallel and will be on the agenda for future ATIC consideration and action.

3.3 Rural Community Outreach (All)

No new report on rural community activities and projects this month.

Gil Gonzales, Gonzales Group LLC, announced a great, free training opportunity:

7/31-8/1/19 Navajo Technical University, Front Range GigaPop, University of South Carolina, University of Indiana & Arizona State University - Network Performance Measurement, Protocol Tuning & Design Improvement for Higher Education Hands-on Workshop at Arizona State University in Tempe, Free, <https://sites.google.com/navajotech.edu/navajotech-cc/ntustar-technical-meeting>

3.4 K12/GAZeL Education Report (Steve Peters, Nan Williams)

3.4.1 Arizona Technology in Education Association (AzTEA)

AzTEA (<http://aztea.org/>) has become a Certified Application Provider for the International Society for Technology in Education (ISTE, <https://www.iste.org/>) and in partnership with Edvolve will be providing ICE-ISTE Certified Educator training.

AzTEA hosted ICE-ISTE Certified Educator Training on June 3-4 at Creighton School District Office North in Phoenix. Upcoming events that AzTEA is producing or involved in include:

7/7-10/19 Computer Science Teachers Association (CSTA) - Annual Conference at the Phoenix Convention Center, \$250+, <https://www.csteachers.org/page/2019conference>

7/15-16/19 Arizona Technology in Education Association (AzTEA) - ICE-ISTE Certified Educator Trainings at LIRC (Thomas L. Lee Instructional Center) in Tucson, \$795, <https://events.r20.constantcontact.com/register/eventReg?oeidk=a07eg6bytbuc1d1b521>

9/17/19 Arizona Technology in Education Association (AzTEA) - Back to School Social at TBD in Scottsdale, <http://aztea.org/events/category/event/>

9/19-20/19 9/19-20 Arizona Technology in Education Association (AzTEA) - ICE-ISTE Certified Educator Trainings at Washington Elementary School District in Phoenix, \$795-860, <https://events.r20.constantcontact.com/register/eventReg?oeidk=a07egd3jwke6eae371>

3.4.2 ATI Institute Renaming/Repurposing

Greater Arizona eLearning (GAZeL) has been renamed Greater Arizona Educational Leadership (GAZEL) and will maintain its brand identity and web presence at <http://www.gazel.org/>. The necessary filings and new Board actions have been completed and the changeover is considered complete, to be dropped as a regular Agenda item going forward. The repurposed organization will remain an option for managing future broadband grant opportunities in conjunction with ATIC.

3.4.3 Labster Virtual Laboratory Simulations Consortium

GAZeL, ATIC, and AzTEA have established a project to explore interest, feasibility and a strategy to develop a statewide partnership and funding mechanism with Labster, the Virtual Laboratory Simulation Education Group based in Denmark, and K-12 schools, universities and community colleges to provide appropriate Labster virtual online lab modules for all educational institutions in Arizona for free or at a low cost. The feasibility of forming a consortium to provide Labster curricula throughout all of Arizona is being explored and a great meeting of interested parties was held on April 22, 2019. Byron Davies and Tom Schumann, Executive Director of the Gateway Community College (GCC) Center for Entrepreneurial Innovation (CEI), are getting engaged with Labster and have some grant money available. Further, Tom is potentially interested in using Labster modules for GCC's LabForce online workforce training system for the biosciences industry. The Labster Project website is at <https://gazel-labster.weebly.com/> and the Labster Planning Meeting minutes of April 22, 2019 are online at <https://gazel-labster.weebly.com/minutes-april-22-2019.html>.

3.4.4 Generation Yes Computer Science & IT Training Programs

Steve has continued to explore partnering with Dennis Harper of GenYes (<https://www.genyes.org/>) regarding working with banks on Community Reinvestment Act (CRA) which has evolved to allow funding for schools with the goal of their supporting broadband buildouts for nonprofits and schools. The national program involves billions of dollars. GenYes is focused on digital equity and the digital divide. Keith Watkins at ACA has expressed interest and will brief Jeff Sobotka, the new Director of Broadband.

3.4.5 Other Innovative Learning Collaborative Initiatives for 2019

GAZeL is planning for a conference on disruptive learning at a Tucson venue TBD including a planning exercise for schools and district implementation and a closing reception. Science Foundation Arizona and/or the Helios Project may support.

Steve has been in dialogue with Adonis Trujillo of Microsoft who is interested in our initiatives and has some funding available. Microsoft has a number of projects with the University of Arizona including data center activities and recently purchased three large parcels in Goodyear, presumably for data center operations.

The Arizona Technology Council's Arizona SciTech Foundation has been renamed as the SciTech Institute (<http://scitechinstitute.org/>) and their Chief Science Officers (CSO) program has continued to spread to other states and countries.

The GAZeL Board has been developing their priorities and adopted plans for the Innovative Learning Collaborative for 2019 including:

- Labster Virtual Laboratory Simulations Consortium (In partnership with ATIC)
- Generation Yes Computer Science and IT Training programs
- Collaborative Professional Development
- Innovative Learning Conference: Disruptive Innovative Learning: Strategic Planning for Innovation, Technology & Collaboration for our Arizona K-12 Schools, Universities, Community Colleges, Libraries & Community Organizations
- Open Education Resources Network
- Innovation Labs/Makerspaces Network
- State and Local Innovative Learning Plans
- Arizona Broadband Stakeholder Network (In partnership with ATIC)
- Federal Reserve Community Reinvestment Act (CRA) Digital Equity/Digital Divide funding opportunities (In partnership with ATIC)

3.5 Arizona State Library (Holly Henley, Mala Muralidharan)

Mala reported on her handout about Arizona e-rate embedded below, seeking to optimize our utilization of special ACC and ADE funds leveraging the FCC special infrastructure program expiring this year. The state has received some \$30M in e-rate funding, the 11th wave of funding release for this year. The State is starting their telecom RFP process for 2020.

EducationSuperHighway (ESH) is sunseting next year. There will be a SHLF webinar on Congressional Broadband Proposals to Watch on June 19, 2019 as detailed below.

Arizona State Libraries used federal Library Services & Technology Act (LSTA) Funding to provide 53 grants totaling some \$678K to Arizona libraries under a variety of programs. Details and submittal guidelines for Arizona's LSTA grants is online at <https://azlibrary.gov/libdev/funding/lsta> and the Arizona LSTA Grant Award Recipients report for 2019 can be downloaded at <https://azlibrary.gov/sites/default/files/LSTA%202019%20Snapshot%20.pdf>. Holly distributed a handout that showcases Arizona LSTA projects over the last year.

Nicole Umayam is working with Hopi Tribe to scan historical photos.

Mala Muralidharan's E-rate and Broadband Report to ATIC Board Follows:

E-rate funding 2019-20: How are AZ Applicants doing?

In the 11 waves of funding that have been approved, Arizona had been approved for \$30.7 Million of the \$126 M that they applied for. Many of these are fiber projects jointly put together by schools and libraries.

State Library with the Tribal Libraries is working on "The 2019 Gathering of Arizona Tribal Libraries & Digital Inclusion Summit", Tuesday, Aug 5 & 6, at Pinetop. On the Agenda are:

- Digital Preservation and Community Archives
- Grants and Funding Opportunities for Tribal Libraries
- Learn to Discern: Media Literacy and Fake News training
- Library Coding Clubs: Girls Who Code

Congressional Broadband Proposals to Watch

- Klobuchar, Wicker, Peters, Thune introduced Bill to Improve Broadband Data Maps.
- Senator Klobuchar co-sponsored bills aimed at boosting federal agencies' efforts to widen broadband access.
- Reprioritizing Unserved Rural Areas and Locations for Broadband Act of 2018 or the RURAL Broadband Act of 2018. This bill amends the Rural Electrification Act of 1936 to allow financial assistance provided by the Rural Utilities Service for the deployment of broadband-capable infrastructure by a service provider to be used to provide retail fixed broadband service in an area where there is no qualifying broadband-capable infrastructure owned or operated by another service provider.
- Another initiative that is being considered to be introduced by Congressman Tom O'Halleran (AZ-01) suggesting that Rural Health Care and E-rate be a single application for American Indian Community. The Bill is requesting FCC not to cap the Universal Service Fund – which is excellent. But it also asks to limit to only traditionally designated Eligible Telecommunications Carriers Pursuant to Section 214(e)(6) of the Communications Act, AAD/USB File No. 98-__ to qualify. That may limit the competitive bidding process.
- **S. 1167 Sen. Patty Murray's The Digital Equity Act**: It can be tracked at <https://www.govtrack.us/congress/bills/116/s1167>
- HR 2741 LIFT America Act : the "Leading Infrastructure For Tomorrow's **America Act**" (The **LIFT America Act**), a bill to rebuild and modernize the Nation's infrastructure to expand access to broadband and Next Generation 9–1–1, rehabilitate drinking water infrastructure, modernize the electric grid and energy supply infrastructure, redevelop brownfields, strengthen health care infrastructure, create jobs, and protect public health and the environment, and for other purposes.

(the above two work in concert with one another to address BB deployment, adoption and accessibility to reach 98% unserved and underserved to anchor institution about \$40B.)

Other issues

1. **Category 2**: FCC seeks comments on how best to transition from 5 year test period to make permanent the budget approach for all applicants on how best to transition to this approach.
2. **USF Cap**: FCC is working towards putting a cap on Universal Service Funding – Lots of opposition to this. Instead a contribution reform is being suggested as currently only the Telecom Service Providers are paying into the USF many other non-traditional Service Providers are not. Also the contribution rate hasn't been revised in decades
3. **EBS Spectrum Auction**: significant portion of mid-band spectrum historically dedicated to providing internet to K-12 educational institutions could soon be auctioned off to private carriers for 5G deployment, according to a draft order circulated by Federal Communications Commission Chairman Ajit Pai on Wednesday, July 10th. The FCC draft order would place 114 megahertz of 2.5GHz spectrum up for auction to carriers interested in using the airwaves to expand 5G service, which is currently available only through small-scale deployments in some cities. The spectrum traditionally has been dedicated to use by educational institutions through the Educational Broadband Service, or EBS, for more than 50 years. EBS currently serves nearly 10,000 schools and libraries.

Today, the FCC voted to commercialize the Educational Broadband Service. Though we're pleased that Tribal Nations will be given a priority filing window, it's unfortunate that the FCC doesn't allow the same for schools and other nonprofits. SHLB's full statement is available here: <http://www.shlb.org/news/shlb/2019/07/FCC-Swings-and-Misses-With-EBS-Decision/>

Comment on Commercializing EBS

"The draft order is downright harmful to students, schools and rural communities struggling to close the digital divide," said Mark Colwell, a spokesperson for Voqal, a nonprofit group that advocates for EBS. "[Wednesday's] order is a radical policy shift that denies schools an opportunity to access spectrum necessary to deploy broadband."

Under the current rules, licenses are awarded through what the FCC calls "priority windows," giving local organizations the first shot at acquiring licenses. Pai said this change would give licensees greater flexibility. "The truth is it will take years to finish licensing the band, delaying 5G and rural deployment," Colwell said. "The Trump administration has made it clear the U.S. needs to win the race to 5G, so it is unfathomable to us why the agency would choose to conduct an auction versus issue licenses via priority windows."

The Education Department asked the FCC earlier this month to maintain the current educational use requirements for awarding spectrum, citing a need to close the so-called "homework gap," providing internet access to more students who currently lack it. Tribal nations and schools using EBS spectrum could reduce the rural homework gap by nearly 30 percent, according to SHLB, as opposed to a projected 1 percent reduction if wireless carriers are permitted to purchase the spectrum. "We cannot understand why the FCC would overturn over 50 years of educational precedent based on exaggerated claims by the commercial carriers that they will deploy 5G in these rural markets," said John Windhausen Jr., executive director of the SHLB Coalition. "[Our study] estimates that commercial carriers will only deploy 5G in 24 of the 78 unserved markets, whereas educational institutions would serve almost all of them."

Suspension of Amortization: Prior to E-rate Modernization Orders that transformed the E-rate program, all up-front, non-recurring costs like construction, over \$500,000 had to be amortized over the life of the contract or over 20 years. This included construction costs for new fiber-optic circuits. This created a problem for smaller service providers who did not have the cash flow to wait for the funds over the amortization period. The Modernization Orders suspended the rules governing special construction of fiber optic networks, which ushered in the recent success in upgrading the connectivity at so many of the country's schools and libraries. The suspension of the amortization rule was set to expire for this E-rate Funding Year 2019. The result - for ambitious upgrade projects for remote schools the service providers could not receive full payment upon completion of the work. FCC, now supports the suspension of amortization for one more year and have issued a NPRM (notice of proposed rulemaking) for a more permanent change.

3.6 Telehealth (Janet Major)

Janet Major presenting a free ATA 2019 Exhibit Hall Technology Review Webinar on June 27, 2019 from 12:00-1:00 PM. Details at <https://telemedicine.arizona.edu/webinar>.

Other upcoming telemedicine events include:

7/22/19 Arizona Telemedicine Program (ATP) & Southwest Telehealth Resource Center (SWTRC) - Telemedicine Applications Conference, 9:00 AM-4:00 PM at Phoenix & Tucson Locations, Free/\$300, <https://telemedicine.arizona.edu/training/upcoming-training-events>

9/9/19 Arizona Telemedicine Program (ATP) & Southwest Telehealth Resource Center (SWTRC) - Developing a Telemedicine Program, 9:00 AM-4:00 PM at Phoenix & Tucson Locations, Free/\$300, <https://telemedicine.arizona.edu/training/upcoming-training-events>

5/3-5/20 American Telemedicine Association (ATA) - ATA20 Telehealth Innovation & Networking Event in Phoenix, <https://legacy.americantelemed.org/>

3.7 Government Affairs (Mike Keeling, Mark Goldstein)

Andy Tobin, an Arizona Corporation Commission (ACC) member has moved to the Arizona Department of Administration (ADOA) as Executive Director. The Governor appointed Lea Márquez Peterson as the new ACC member.

Mike Keeling reported that the SB 1089 Bill will open all services for telemedicine participation with appropriate reimbursement and include ACHSS becoming effective December 31, 2020. Details on that and several other bills of interest are contained in Mike's presentation deck embedded in last month's minutes.

The Arizona Technology Council's (AZTC) Public Policy Guide for 2019 has been published including significant ATIC contributions to its broadband sections and can be downloaded at <https://www.aztechcouncil.org/arizona-technology-council-public-policy-guide/>. Beyond the recommendations found in the AZTC Guide, ATIC would additionally like to see the Arizona Corporation Commission (ACC) expand the use of AUSF funds beyond the e-rate matching program that is sunsetting to other rural broadband purposes and for the Arizona Department of Education's broadband fund to be refreshed with additional \$ from year to year.

4 Information and Action Plans

4.1 ATIC New Website Status & Outlook (All)

The ATIC website was rebuilt on the Weebly platform led by Steve Peters. The completed website refresh was completed and cutover to which a number of members contributed ideas and content. Steve has restored some lost information and mounted content in support of the AZBSN event. Mark has continued to maintain the Board content and committed to building out the repository of ATIC reference and historical documents. You can find the relaunched site at the normal URL <http://www.arizonatele.org/>.

4.2 ATIC Domains, Mailing List & CRM (All)

Mark reiterated that we need to rebuild our mailing list likely in cooperation with GAZeL and has begun discussions with Steve Peters on how best to accomplish this. Mark is currently utilizing SendinBlue (<https://www.sendinblue.com/>) for publishing his monthly Arizona Technology and Economic Development Events calendar.

4.3 New Business or Motion Considerations (All)

None this month.

5 Upcoming Meetings/Events Attended

None this month.

6 Announcements

None this month.

7 Adjourn

Upcoming ATIC Board & Public Meetings

Upcoming ATIC Board Meetings are scheduled for the second Wednesdays of the month (except August and December) from 12:00-2:00 at the Arizona State Library in Phoenix or by remote connections as follows:

**October 9, 2019 (Historic Supreme Court Chamber, 2nd Floor of the Capitol)
November 13, 2019**

ATIC Public Meetings:

None Scheduled



Arizona T...

Dashboard

Accounts

Checking

\$1,229.01

ATIC 434041

A \$1,229.01

04081-0400

\$1,229.01

Savings

\$9,011.69

ATIC 073206

A \$9,011.69

04081-0000

\$9,036.69

Share Certificate

\$12,307.44

Business Cert 12 Month...

A \$6,193.70

04081-1101

\$6,193.70

Business Cert 18 Month...

A \$6,113.74

04081-1100

\$6,113.74

A Available Balance

BudgetTracker

You have no budgets

Create a Budget

3 Simple Rules To Stop Scammers

The power to prevent fraud is in your hands.

June 07, 2019

Relationship Rewards is getting simplified

Find out how the July 1st changes to Relationship Rewards will make the program easier to understand and use.

May 02, 2019

Last 15 days

Logged in 1 time

Next 15 days

There is no activity scheduled for the next 15 days.

Quick Links

Credit Card Login

Investments (Raymond James)

Mortgage Loans (MLOS)

Identity Secure

LinkExternalAccount



Get Started

Financial Resources & Education

Desert Financial Credit Union

Transaction History

100 Transactions

Statement Period: All Dates

Date of Statement: 07/08/2019

DATE	DESCRIPTION	CREDITS	DEBITS	BALANCE
06/27/19	ARIZONA CORP COMM 9399 .CC.STATE.AZ. AZ 0001		-\$10.00	\$1,229.01
06/26/19	DRAFT #2189 TRACER 22617492		-\$442.51	\$1,239.01
06/18/19	DRAFT #2187 TRACER 22431508		-\$229.40	\$1,681.52
06/17/19	ARIZONA TECHNOLOGY 8699 WWW.AZTECHCOU AZ 00000000		-\$365.00	\$1,910.92
06/14/19	DRAFT #2186 TRACER 22366892		-\$176.00	\$2,275.92
06/12/19	SQ *SUBS 5812 PHOENIX AZ 00000000		-\$130.00	\$2,451.92
06/11/19	ONLINE BANKING TRANSFER FROM 0000	\$1,000.00		\$2,581.92
06/11/19	CENTURYLINK AUTO PAY AZ TELCOM INFO COUNCIL		-\$26.42	\$1,581.92
05/13/19	CENTURYLINK AUTO PAY AZ TELCOM INFO COUNCIL		-\$26.04	\$1,608.34
04/24/19	DRAFT #2184 TRACER 21200445		-\$734.00	\$1,634.38
04/22/19	DRAFT #2183 TRACER 21116830		-\$36.77	\$2,368.38
04/17/19	DRAFT #2185 TRACER 21034626		-\$130.00	\$2,405.15
04/10/19	CENTURYLINK AUTO PAY AZ TELCOM INFO COUNCIL		-\$27.05	\$2,535.15
03/20/19	DRAFT #2182 TRACER 20381933		-\$165.78	\$2,562.20
03/13/19	SQ *BROOKLYN MIKES 5812 PHOENIX AZ 00000000		-\$130.00	\$2,727.98
03/13/19	CENTURYLINK AUTO PAY AZ TELCOM INFO COUNCIL		-\$26.91	\$2,857.98
02/20/19	DRAFT #2181 TRACER 19713762		-\$33.42	\$2,884.89
02/20/19	DRAFT #2180 TRACER 19713761		-\$78.68	\$2,918.31
02/12/19	CENTURYLINK AUTO PAY AZ TELCOM INFO COUNCIL		-\$25.43	\$2,996.99
01/11/19	DRAFT #2179 TRACER 18870491		-\$35.44	\$3,022.42
01/11/19	DRAFT #2178 TRACER 18870492		-\$236.00	\$3,057.86