

October 4, 2021 AZBSN COVID-19 Digital Access Task Force Teleconference Report

Attendees

Steve Peters, Oris Friesen, Henry Goldberg, Mark Goldstein, Andrew Bevington, Melissa Boydston, Kirk Busch, Michael Cohen, Jerry Crow, Milan Eaton, Michael Edmonds, Heather Floyd, Drew Garner, Cindy Hogan, Shereka Jackson, Karina Jones, John Kelly, Sophia Mayberry, Clarence McAllister, Randy Mifflin, Mala Muralidharan, Cody Pedersen, Lea Marquez Peterson, Lawrie Prickett, Cindi Ptak, Chris Richardson, Jenny Rickel, Fernando Roman, Michelle Simon, Andy Sinclair, Jeff Sobotka, Graham Taylor, Nicole Umayam, Albert Velarde, Joy Whiting, Brad Zerbe

Task Force Sponsors, Events & Updates Webpage, Participants List, Kibitzing with Colleagues, Task Force Digital Inclusion Team and Arizona Digital Inclusion Directory, Chicanos Por La Causa EDA Grant Application

Task Force Sponsors

Steve Peters again thanked Care1st Health Plan Arizona, Valley of the Sun United Way, the Satellite Broadcasting & Communications Association, and Kajeet for providing sponsorship funding for this task force. The sponsors are displayed on the task force website.

Steve is continuing to seek further funding support for the task force's upcoming work, and welcomes any organizations interested in becoming sponsors.

Task Force Events and Updates Webpage

Steve continues to add information relevant to the task force on the Events and Updates webpage of the task force website. Steve includes a link to this webpage/newsletter in his e-mails to the task force, and strongly encourages task force participants look at this webpage regularly for important information on programs (e.g. federal grant programs), events, and contacts. Steve regularly updates this webpage with new announcements and activities of interest to the task force.

Steve has also placed on this webpage a link to the task force's Digital Access Strategy report published in November 2020. Steve will be looking into scheduling a meeting of the task force leadership team/planning committee to discuss next steps following up on the recommendations made in this report.

Task Force Participants List

Steve noted that the task force participants spreadsheet is located on the task force website. Steve again asked attendees to fill out the Google form on the website to be included in this

spreadsheet. This is a good place for task force participants who are looking to connect with others on the task force.

Attendees at task force meetings showing their position and contact information are also included in an Appendix of each task force meeting report.

“Kibitzing with Colleagues” Sessions

Steve stated there are “Kibitzing with Colleagues” sessions held immediately after the Monday morning task force meetings, where task force participants can informally talk, share, or collaborate on any topics of interest. There will be no agenda, no presentations, and no specified ending time for these sessions.

Task Force Digital Inclusion Team and Arizona Digital Inclusion Directory

Steve reported that Nicole Umayam (Digital Inclusion Consultant at the Arizona State Library), Cindy Hogan, and he met to establish a task force digital inclusion team with Nicole and Cindy as the co-chairs of this team. Nicole stated that as reported at previous task force meetings, she and Cindy are working on preparing an Arizona Digital Inclusion Directory that will be posted on the Connect-Arizona website, which is intended to be a one-stop place where one can find any organization doing digital inclusion work in the state. They are creating a searchable database for this directory where such organizations can be found and make connections on the areas of broadband adoption, devices, digital literacy, and digital learning.

Cindy stated that this week is the National Digital Inclusion Alliance’s “Digital Inclusion Week”. See Cindy’s post in the Appendix 2 Chat for the link to their website showing events this week.

Steve stated he will send an e-mail to the task force this week providing information on the Arizona Digital Inclusion Directory and to invite participation in the task force digital inclusion team.

Chicanos Por La Causa EDA Grant Application

In the absence of Robert Alvarado, Vice President of Information Management & Technology Services for Chicanos Por La Causa (CPLC), Steve Peters and Mala Muralidharan reported on the CPLC ongoing work to submit an application for the Economic Development Administration (EDA) Build Back Better Regional Challenge Phase 1 technical assistance awards grants program (reported on at previous task force meetings). The application will have a target region of the three southern Arizona counties, Pima County, Cochise County, and Santa Cruz County, and may also include Yuma County. A team is working with CPLC to put this Phase 1 planning grant application together, and the grant application is due by October 19th. If CPLC receives a Phase 1 planning grant, this will be used to develop a detailed plan for application for a Phase 2 implementation grant.

Steve Peters commented that CPLC is a phenomenal organization and this initiative has a great team of people working on this. They will be requesting participation from task force partners with letters of support.

Updates: State Broadband Director, AZ State Library, ADE and “The Final Mile Project”, ACC

State Broadband Director Update

Jeff Sobotka, State Broadband Director at the Arizona Commerce Authority (ACA), reported on his recent activities.

Jeff reported that there is a rulemaking process underway for HB 2596, which opened up rights-of-way on state highways to fiber deployment (as discussed at previous task force meetings). The rulemaking process is run by ADOT, and will give the public opportunities to discuss this. They want to ensure that deployment is done in a coordinated way so that construction minimizes disruption of traffic on highways. The US Dept. of the Treasury Coronavirus Capital Projects Fund that allocates about \$190 million for Arizona projects for broadband infrastructure, digital equity, and multi-purpose community facilities (as discussed at the last task force meeting), may be used to fund some fiber deployment along state highways.

The ACA Rural Broadband Development Grants (RBDGs) program is due to launch on November 1st with \$100 million in funding.

Ben Blink, Policy Advisor for Transportation and Technology Innovation in the Governor's Office, has resigned to move to another position in the private sector. Jeff is working with the Governor's budget office.

Jeff is looking into creating a state broadband map, using US Dept. of Treasury funding for that. The goal is to have an internal map for government use and a map for public use. ADOT and the Arizona State Library will have a role in constructing this map, and Lea Marquez Peterson offered Arizona Corporation Commission assistance with this. Mark Goldstein, who has been involved with past state broadband mapping work, asked when newer FCC 477 broadband service data provided by service providers will be available. Jeff responded that he does not know but there have been problems with this data in the past, and actual speed test data will be important to include. Jeff added that Arizona participates in the NTIA National Broadband Availability Map (NBAM), which is the best source of state broadband data at present and has a public version, but federal maps can be difficult to use by the general public. Mark commented that a major shortcoming of federal broadband maps is that Community Anchor Institutions (CAIs) are not included, and Jeff replied that he supports Mark's proposal to include these in the ACA state broadband maps.

As noted at previous task force meetings, the ACA retained KPMG to provide an update to the 2018 state broadband strategic plan focusing on middle-mile fiber strategy/planning. Jeff reported that the KPMG report will be provided by October 15th, and it will be released in early November with the RBDGs program launch.

Arizona State Library Update

Mala Muralidharan, E-rate Administrator for Public Libraries at the Arizona State Library, reported on her and Arizona State Library recent activities.

The FCC has released its draft eligible services list for 2022 E-rate funding. Initial comments were due on this draft eligible services list by September 27th. The two main comments received were that the eligible services list should be expanded to include Wi-Fi on school buses and cybersecurity.

The Arizona State Library and task force EBB outreach team continues to work on outreach for the FCC Emergency Broadband Benefit (EBB) program (discussed at previous task force meetings). There was some confusion in the last ten days on how enrolled households were counted by USAC, and there were modifications made to this. Arizona now has about 159,000

households enrolled and currently ranks #8 nationally in enrolling low-income households in the EBB program. There is still a lot of funding remaining in the EBB program (\$2.5 billion of the original \$3.2 billion), and so Arizona should continue to do EBB outreach until the funding is exhausted.

The FCC Emergency Connectivity Fund (ECF) program (discussed at previous task force meetings) provides \$7.17 billion in support to schools and libraries for off-campus primarily home connectivity for students, school staff, and library patrons by covering purchases of broadband connectivity and laptops/tablets, Wi-Fi hotspots, modems, and routers. August 13th was the original deadline for applying for the ECF program, and USAC is working on sending out funding commitments. Arizona applied for about \$200 million (\$147 per student), which was #6 nationally in how much was applied for in ECF funding. A second ECF application window was opened from September 28th – October 13th, and Arizona is working on getting more schools and libraries to apply.

The National Tribal Broadband Summit was held on September 17th, September 24th, and October 1st, with the recording posted on YouTube and the BIA channel. The summit covered four themes: implementing the tribal broadband connectivity grant; planning for long-term success; technical, middle-mile, connectivity solutions; and broadband use and adoption. At the October 1st session, the police chief for the Neah Bay Makah Tribe in the state of Washington, spoke in detail about his work to manage their middle-mile and last-mile connectivity solutions. Another topic discussed at the October 1st session was using E-rate funding to provide fiber connectivity to the Navajo Nation – Fred Brakeman reported that there are 35 Chapter House sites within a mile of existing middle-mile networks and it may take 6 – 24 months to get these Chapter Houses connected. The Arizona State Library is helping with digital resources training of staff at these Navajo Nations Chapter Houses. The October 1st session also discussed telehealth technology and the USDA Rural Utilities Service (RUS) telecommunications funding programs. The RUS programs fund telecommunications infrastructure construction and upgrades for institutions (not households), and there were tips given on how to apply for these programs and leverage with other grant programs.

At previous task force meetings, Mala has discussed her work on telehealth in libraries. They are now working on a pilot project with Pima County public libraries. Mala met with the Indian Health Service to discuss possible projects in southern Arizona. NAU is interested in doing telehealth in libraries projects in Navajo and Apache counties, but they need to gain support from libraries there to do this. The Arizona State Library is looking to get Library Services & Technology Act (LSTA) funding for telehealth in libraries, including to fund necessary digital equipment kits for this.

The Schools, Health & Libraries Broadband Coalition (SHLB), which has various groups operating, has a group called “USForward” that is considering how to stabilize the contributions carriers make to the FCC Universal Service Fund (USF) which supports programs such as E-rate and rural health care. Over the last two decades, the USF contribution factor has risen dramatically, and is now at 4% of carrier revenues. USForward is proposing to include revenues from broadband Internet access to expand the revenue base and so stabilize the contribution factor.

See Appendix 1 for Mala’s written report providing more details on the above areas.

ADE and “The Final Mile Project” Update

Milan Eaton, State E-rate Director at the Arizona Dept. of Education (ADE), reported on his ADE activities and “The Final Mile Project”.

Following up on Mala Muralidharan’s report on the FCC Emergency Connectivity Fund (ECF) program above, Milan added that he is busy helping schools apply for the second ECF application window. Milan noted that there was a change to allow ECF reimbursement of devices up to a maximum of \$400 + tax, which necessitated some revision of funding request amounts to include the tax.

Milan reported on “The Final Mile Project” discussed at previous task force meetings, for which ADE has provided \$1.5 million in funding. The initial five RFPs have been reviewed and award winners selected, and these projects are underway. The Arizona Rural Schools Association Final Mile Consortium took applications from other school districts for this program, and there will be a further group of five RFPs issued. The Final Mile Consortium Board is meeting this week to consider this next group of five RFPs to issue.

ACC Update

Lea Marquez Peterson, Commissioner and Chair of the Arizona Corporation Commission (ACC), could not attend for the entire meeting but posted in the Appendix 2 Chat that the ACC is launching its APS rate case today.

Arizona Dept. of Education Office of Digital Teaching and Learning Presentation

Chris Richardson, Acting CIO of the Arizona Department of Education (ADE) and Karina Jones, Director of IT Communications and Strategy at ADE, delivered a presentation to the task force on their new Office of Digital Teaching and Learning. Chris is the Deputy CIO at ASU, and will be the acting ADE CIO until the end of 2021. Following is a summary of key points from the presentation, and the full presentation and meeting recording will be posted on the task force website.

In response to the COVID-19 crisis and the digital divide that limited over 200,000 Arizona K-12 students from accessing distance learning, Kathy Hoffman, State Superintendent of Public Instruction, formed the ADE Technology Task Force. This task force is made up of education and technology leaders exploring public and private partnerships and supports technology standards across the state. The ADE Technology Task Force recommended establishing an Office of Digital Teaching and Learning (ODTL) at ADE to serve the K-12 community of schools in a consultative role to identify best practices and connect schools to expert resources within and outside of ADE. This ODTL has been created using CARES Act funding, and is engaging every county in the state to build support for this. ODTL intends to operate for the long-term and will seek further funding from the Governor’s Office in the future.

The ODTL goal is by 2025 to have 100% of Arizona’s K-12 schools and 95% of their households equipped with a device, connectivity, and skills to use diverse learning technologies. The overall objective is for every student to have access to high-quality teaching and learning resources at school and at home. Their strategic plan to achieve this will encompass schools, homes, and classroom innovation. Schools will optimize their E-rate broadband connectivity and address other issues such as device options for student and staff, cybersecurity and data privacy, digital literacy, cloud migration, and efficient technology management. Homes’ issues addressed will include affordable final mile connectivity, devices, digital literacy, and security.

Classroom innovation will include the use of learning management systems, learning analytics tools, hybrid school/home implementation, assessments/benchmarks, and use of virtual reality applications.

The ODTL will perform various functions. The ODTL will negotiate and support contracts on behalf of Local Education Agencies (LEAs) and households to bring costs down. It will develop user guides, standards, and webinars for LEAs and households. The ODTL will establish communities-of-practice to enable LEAs to share lessons learned and devise solutions. The ODTL will also act as a “service channel” to point LEAs and their households to resources for their digital needs (e.g. security is a difficult area to recruit qualified staff).

The ODTL will establish various metrics of success in achieving their goals. It will release a survey to understand the % of LEAs that are “ready” for digital teaching & learning. “Ready” is really a spectrum of readiness requirements that address the following areas: devices/connectivity; policies and procedures to take care of the technology; support network between teachers and households; optimizing/innovating in classrooms; strategies for growth and success of students at school and at home. In the future, ODTL will look at metrics of success for households: % of households with connectivity, % of households with devices: % of households skills-ready for online learning (in a similar manner as for schools). ODTL has an Assessment Board that will provide feedback on the questions in the surveys, and invites suggestions for additional members to this Board.

ODTL will be releasing its initial survey in late October or early November, and hopes to have results back by December. The data will be analyzed in January, and ODTL will publish a strategy report in February 2022 with a commitment from ADE as to how to address the identified gaps. There will then be continuing work on E-rate utilization, contracts development, home connectivity, communities-of-practice, classroom innovation, and partnerships.

ODTL is meeting with various counties to gain exposure and support for their surveys and overall goals. The surveys are intended to guide where ADE invests in the future. ODTL will be hiring various staff to perform their work. ODTL wants the counties to be aware of their goals, suggest stakeholders to be engaged, and be aware of federal funding resources that will help support these programs. Chris and Karina’s contact information is available on the presentation and in Appendix 3.

Joy Whiting, Apache County School Superintendent, asked how ODTL proposes to collect data from LEAs or directly from county school superintendents. Chris responded that they will be sending the surveys to designees identified by their Assessment Board or through discussions with counties, but it will be a learning process on how best to proceed with this. Joy followed up saying there are problems getting high response rates from households, and Chris replied that they don’t have high aspirations getting data from households but expect to get qualitative views from the school districts on their households’ situation. Karina added that in the first round, there will only be surveys of LEAs not of households.

Steve Peters stated our AZBSN COVID-19 Digital Access Task Force is developing a digital inclusion team, and there are 40 -50 digital inclusion organizations participating in our task force. Steve suggested there is potential for our digital inclusion team to partner with the ADE ODTL. Chris responded that Karina could be a member of that digital inclusion team, and he may also be involved when he returns to his ASU role next year. Steve added that the ASU Lighting Up the Future project is involved with our task force as well.

Steve noted that he is trying to organize task force work in the cybersecurity area, and such work could also feed into the ODTL.

Joy Whiting asked if ODTL is working with local carriers in counties. Steve stated a number of carriers that have presented to our task force are doing work in digital inclusion, and so they should be part of the process. Chris replied that carriers should be interested in the ODTL survey results, many carriers have seen the ADE Technology Task Force recommendations, and he has brought his relationships with technology providers to ADE.

Steve commented that a number of our AZBSN task force participants also participated in the ADE Technology Task Force, and there are also a number of non-profit organizations in our task force that are working to make devices and connectivity available to low-income households. Chris responded that he reads our task force's minutes and is aware of its activities from Sophia Mayberry and Milan Eaton, so looks forward to cooperating with our task force where there are common interests. Shereka Jackson, CEO of Future Stars, remarked that she is interested in potentially engaging with ODTL, and Chris replied they welcome ideas for engagement.

Steve asked who are the best contacts for the ODTL, and Chris replied that they can contact him, Karina, or Sophia or Milan at ADE.

Kirk Busch commented on difficulties in staffing the ODTL with qualified personnel given competition with California and other organizations. Chris replied that they have had a number of applicants for their position openings, but the service channel may be a more difficult area. Chris noted that small schools don't have large IT staffs and can face a lot of turnover, so the ODTL service channel activities can help support these schools in areas like security. Steve asked about Chris' relationship with the Arizona Technology Council (AZTC), which has a lot of talented IT people involved. Chris replied that he knows Steve Zylstra and Mark Goldstein of the AZTC and speaks at their Smart Cities/IoT events, but AZTC ties with ADE have not been through him.

Next Steps

The next AZBSN COVID-19 Digital Access Task Force overall meeting will be held on Monday, October 18th at 7:30 am (no meeting on October 11th which is Columbus Day holiday).

The Arizona Technology Council's 2021 Southern Arizona Tech & Business Expo will be held on Wednesday October 6th in Tucson.

Henry Goldberg and Oris Friesen will write up a summary report of today's task force meeting.

Appendix 1: Mala Muralidharan Report on: E-rate Program, FCC Emergency Broadband Benefit (EBB Program), Emergency Connectivity Fund (ECF), SHLB Universal Service Fund Contributions Reform, National Tribal Broadband Summit

E-rate: AZ

Last Reminder: Federal Communications Commission released the draft Eligible Services List for Funding Year 2022. Initial comments to the draft Eligible Services List were due on September 27, 2021, with reply comments due October 12. The FY2022 draft ESL is in WC Docket No. 13-184

<https://docs.fcc.gov/public/attachments/DA-20-1418A1.pdf>

Initial comments included WiFi on school buses and Cyber security

Emergency Broadband Benefit: Total available 3.1 B. Arizona is still holding its place of being among the top 15 states. Last week USAC revised how it was counting households across the board and realized that there was some cross counting of Lifeline and EBB applicants. We now have 159,389 Households in Arizona that signed up for EBB. Remaining appropriations available for disbursement \$2,535,863,017

For Emergency Broadband Benefit general program information: Email: BroadbandBenefit@fcc.gov ; Online: fcc.gov/broadbandbenefit

Emergency Connectivity Fund: On September 24, 2021, the FCC announced the first ECF funding wave. Over \$1.2 billion was committed in the first funding wave. This was 23% of the requested ECF Funds.

Second ECF Filing Window Opens September 28 and closes to October 13 with about \$2.9 Billion available.

FCC Open meeting: FCC released the video for the open meeting held on Thursday, Sept, <https://www.fcc.gov/news-events/events/2021/09/september-2021-open-commission-meeting> Thursday, September 30, 2021.

SHLB (Schools Health, Libraries Broadband Coalition): USForward: Analysis of USF



Universal Service Fund
FCC Must Reform USF Contributions Now:
An Analysis of the Options
September 2021

MATTEY
CONSULTING LLC

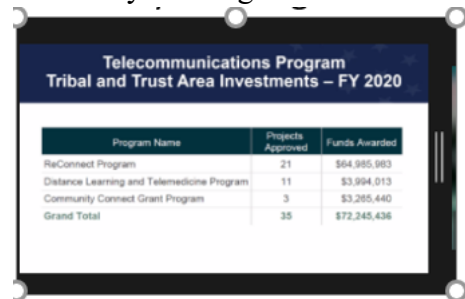
Contributions Reform SHLB had a webinar Monday Sept 27th

Carol Mattey spoke about her research report done through INCOMPAS and NTCA-The Rural Broadband Association and released as USForward, a research report by on how to stabilize the contributions mechanism for the Universal Service Fund (USF). Over the last two decades the demand for internet has increased dramatically, calling into question the sustainability of E-rate, Rural Health Care, and the other USF programs. USForward proposes a realistic and effective solution: **Expanding the existing revenues-based contributions base to include revenues from broadband internet access.** If the FCC pursues this option, the report projects that the contribution factor would significantly decrease and remain under 4 percent over the next several years.

National Tribal Broadband Summit

The final day of the 2021 Online National Tribal Broadband Summit was on Friday, October 1

- *Makah Middle mile Session* Chief Bruener spoke about how unprepared they were. This is very encouraging for others in a similar environment. There is no single solution but they did what each community needed and could afford.
- *Using FCC E-Rate Funding to Provide Fiber Connectivity to the Navajo Nation Session* Fred Brakeman 35 sites within a mile of existing middle mile and may take 6-24 months to complete the project. Making slow progress. Challenges include CIPA filtering, permitting processes, shut down. State Library will train on digital resources when they are ready.
- *Using Technology to Provide Access to Care Session* on TeleHealth - could not attend full session as I was attending another sessions. Indiancountryecho.org.
- *Overview of Rural Utilities Services Programs*–
- RUS a dept of USDA funds infrastructure funding – water, power, sewage AND telecommunication. Its various Telecom programs are for construction; expansion; upgrading in the areas of business, learning and telemedicine. Funding only for Institutions not individual households. They have smaller scaler projects, mid level program for building networks and more involved, multi-year high-level projects– mainly for providers to scale up. They gave what they called ProTips – Leveraging other grants, community involvements, collaboration, attend the webinars.



Program Name	Projects Approved	Funds Awarded
ReConnect Program	21	\$64,985,983
Distance Learning and Telemedicine Program	11	\$3,994,013
Community Connect Grant Program	3	\$3,265,440
Grand Total	35	\$72,245,436

Several students lead by Dr. Traci Morris from ASU’s American Indian Policy Institute did a Capstone project. The full research paper can be downloaded for free at https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3926811 They did a comparative study of 4 communities that lacked broadband and provided them with Broadband access.

Appendix 2: Chat from Zoom

Nicole Umayam to Everyone (7:43 AM)

Here is a shiny example of a Digital Inclusion Network from the City of Portland. We are modeling our Directory off of this: <https://digitalinclusionnetwork.net/directory>

Cindy Hogan to Everyone (7:43 AM)

Digital Inclusion Week - <https://www.digitalinclusion.org/diw21/>

Mark Goldstein to Everyone (7:50 AM)

ILSR’s Community Networks has published “A Community Guide to Federal Broadband Funding Opportunities” with details on the pending Infrastructure Investment and Jobs Act as well as the American Rescue Plan Act (ARPA) including the just launched US Treasury’s \$10B Coronavirus Capital Projects Fund at <https://muninetworks.org/content/community-guide-to-federal-funding-opportunities-for-broadband> with further analysis of the “Broadband Infrastructure Bill: The Good, The Bad & The Ugly” at <https://muninetworks.org/content/broadband-infrastructure-bill-good-bad-ugly> FYI.

Michael Edmonds to Everyone (7:52 AM)

(After this Task Force meeting, I will check the notes and recording...) I've been called away and need to leave...'bye, all.

Nicole Umayam to Everyone (7:53 AM)

Jeff, thanks for mentioning the importance of mapping anchor institutions like schools and libraries in statewide broadband asset mapping. We have been involved in national conversations about how visualizing broadband capacity at anchors
Many public libraries in Arizona still do not meet the FCC's aspirational benchmarks of wireless speeds

Lea Marquez Peterson to Everyone (7:55 AM)

I have to jump off. The ACC launches the APS rate case today. If you are a customer, we are taking public comment today, details at AZCC.gov

Mark Goldstein to Everyone (7:56 AM)

NTIA has launched a new, public facing broadband map integrating demographics, crowd sources results, and various data sets with the FCC collected coverage information at <https://broadbandusa.maps.arcgis.com/apps/webappviewer/index.html?id=ba2dcd585f5e43cba41b7c1ebf2a43d0> FYI. The new go to public tool for first stage evaluation of broadband gaps and needs. Still bound by legacy, limited census-block based fixed broadband, but better, more granular data is now being collected and will appear before long. Some criticism already about the quality and accuracy of the mish-mash of sources however.

Mark Goldstein to Everyone (8:03 AM)

The legacy FCC broadband map remains available at <https://broadbandmap.fcc.gov/#/> and their Mobile LTE Coverage Map at <https://www.fcc.gov/BroadbandData/MobileMaps/mobile-map> as well as other mapping variants at <https://www.fcc.gov/reports-research/maps/> FYI.

Mark Goldstein to Everyone (8:13 AM)

The Arizona Department of Education released their Digital Divide in Rural Arizona Report in July. Press release at <https://www.azed.gov/communications/arizona-department-education-technology-task-force-releases-recommendations-and-0> & report landing page & download at <https://www.azed.gov/technology/rural-and-urban-digital-divide> FYI. See ADE Technology Hub landing page at <https://www.azed.gov/technology-hub> for other news & resources.

Sophia Mayberry to Everyone (8:32 AM)

I can Joy

Sophia Mayberry to Everyone (8:32 AM)

and I can help schedule a follow up if needed

I will stay on for the after portion if anyone has additional thoughts.

Chris Richardson to Everyone (8:36 AM)

Thanks @Sophia

Mark Goldstein to Everyone (8:36 AM)

The National Institute of Standards & Technology (NIST) has just released their Cybersecurity and Privacy Annual Report for 2020, a nice high level overview of the issues complementing

NIST more common technical content on the subject. See
<https://csrc.nist.gov/publications/detail/sp/800-214/final> to download report PDF.

Sophia Mayberry to Everyone (8:45 AM)
They had a rep on the tech task force

Mark Goldstein to Everyone (8:47 AM)
Happy Windows 11 day tomorrow!

Milan Eaton to Everyone (8:49 AM)
Dropping off to prep for m next call. have a great day!

Appendix 3: Registration Information for Attendees at Today's Task Force Meeting

First Name	Last Name	Organization	Job Title	Email	Phone	Mobile
Andrew	Bevington	Pima County Superintendent of Schools Office	Director	andrew.bevington@pima.gov	15205999987	
Melissa	Boydston	Valley of the Sun United Way	VP	mboydston@vsuw.org		
Kirk	busch	BigData Southwest	ceo	kirk.busch@gmail.com	4803344997	4803344997
kirk	busch	BigData Southwest, Inc.	ceo	kirk.busch@bigdatasw.org	4803344997	4803344997
Michael	Cohen	ATIC	Researcher	mikey1145@yahoo.com		
Jerry	Crow	Digital Forensics and Cloud Security	Cybersecurity Professional	jerry.crow@computer.org	4804515954	
Milan	Eaton	Arizona Department of Education	State Erate Director	milan.eaton@azed.gov	6233326357	
Michael	Edmonds	Thrive in the 05	Steering Committee Member	mikemedmonds1@gmail.com	929-244-9477	
Heather	Floyd	Valley TeleCom Group	Public Relations Specialist	heather.floyd@teamvtg.net	5203848912	5203496658
Oris	Friesen	ATIC	Secretary	oris@cox.net		
Drew	Garner	Common Sense	Broadband State Policy Fellow	dgarner@commonsense.org		
Henry	Goldberg	ATIC	Vice Chair	hgold52@aol.com	480-609-9279	480-433-3536
Mark	Goldstein	International Research Center	President	markg@researchedge.com	602-470-0389	
Cindy	Hogan	Literacy Connects	Digital Inclusion Ambassador	cindyhogan333@gmail.com	5208911285	
Shereka	Jackson	Future Stars	CEO	Futurestarsaz@hotmail.com		
Karina	Jones	Arizona Department of Education	Director of IT Communications and Strategy	karina.jones@azed.gov		
John	Kelly	Triadvocates	Dog walker	John@triadvocates.com		
Lea	Marquez Peterson	Arizona Corporation Commission	Chair	lmarquezpeterson@azcc.gov		
Sophia	Mayberry	Project Manager	Arizona Department of Education	sophia.mayberry@azed.gov		
Clarence	McAllister	Fortis Engineers	Principal	cmcallister@fortisengineers.us		480-221-9002
Randy	Mifflin	Cell one	Senior ICT Business Consultant	Rmifflin@cellularoneaz.com		
AZ State Library Mala	Muralidharan	AZ State Library	E-rate Administrator	mala@azlibrary.gov		
Cody	Pedersen	Smith Bagley Inc. dba Cellular One	pm	cpedersen@cellularoneaz.com		
Lawrie	Prickett	Smith Bagley Inc	Ids	Lprickett@cellularoneaz.com		
Chris	Richardson	AZ Dept of Education	CIO	chris.richardson@azed.gov		
Jenny	Rickel	Native Network	COO	jrickel@nativenetwork.com	5093000102	5096615100
Fernando	Roman	Communications Workers Of America	Executive Vice President	froman@cwa7026.com	5207097199	
Andy	Sinclair	Arizona Department of Economic Security Division of Aging and Adult Services	Caps Capacity Development Coordinator	asinclair@azdes.gov	4802632271	4802632271
Jeff	Sobotka	Arizona Commerce Authority	State Broadband Director	JeffS@azcommerce.com	6024320004	
Nicole	Umayam	Arizona State Library, Archives and Public Records	Digital Inclusion Library Consultant	numayam@azlibrary.gov		
Albert	Velarde	SBI	Account Manager	avelarde@cellularoneaz.com		
Joy	Whiting	Apache County	Apache County School Superintendent	joy.joywhiting@gmail.com	9283377539	
Brad	Zerbe	Arizona Grant Consulting	Principal	zerbebrad@gmail.com	623-332-0506	623-332-0506