

# Utah Education Network Steering Committee

February 15, 2008



UTAH EDUCATION NETWORK  
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**UTAH EDUCATION NETWORK  
STEERING COMMITTEE**

**A G E N D A**

**FEBRUARY 15, 2008**

9:00 a.m.-  
11:00 a.m.

**Committee of the Whole / Business Meeting**

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## LEGISLATIVE UPDATE - DISCUSSION

### Issue

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Preparations for the legislative session have been underway for months and now that we are in session, the results of all the planning and efforts are coming to fruition. A report will be provided at the Steering Committee which provides all the details on the status of UEN's legislative agenda.

The Higher Education Appropriations subcommittee developed budget priorities last week. UEN budget requests are being prioritized at a high level by the committee and we feel it will significantly increase the likelihood that all of our budget requests will be funded (See Attachment A). A detailed summary and discussion will be provided at the meeting.

At a meeting in early January with the Steering Committee Executive, members indicated a willingness to explore the possibility of sharing UEN network backbone with the Utah Telehealth Network. A bill that would clarify UEN's authority to provide service to UTN is being sponsored by Representative Gordon Snow. This bill has not yet been considered in committee, and any change in its status will be reported at the Steering Committee meeting.

### Recommendation

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This is a discussion item and requires no further action by the Committee.





# TAB 25 ATTACHMENT A

## HIGHER EDUCATION JOINT APPROPRIATIONS SUBCOMMITTEE PRIORITIZATION OF GENERAL/EDUCATIONAL FUND BUDGET CHANGES

### 2008 GENERAL SESSION

#### ONGOING

<b>Ongoing Items Not Funded within Subcommittee Allocation</b>				<b>Agency</b>	<b>Governor</b>	<b>Chairs</b>	<b>Running</b>
<b>Line #</b>	<b>Priority #</b>	<b>Item</b>	<b>Request</b>	<b>Recomm.</b>	<b>Recomm.</b>	<b>Total</b>	
46	1	UMEC	Replace loss of Dedicated Credits		220,000	220,000	220,000
40	2	UEN	Network Backbone	200,000	200,000	200,000	420,000
41	3	UEN	Elementary/Charter School High Speed Network	700,000		700,000	1,120,000
43	4	UEN	Research Network	500,000	500,000	500,000	1,620,000
44	5	UEN	Technology-Rich Instructional Content	500,000		500,000	2,120,000
1	6	USHE	Utility Rate Increases	661,800	661,800	661,800	2,781,800
2	7	USHE	Software Licensing	900,000	900,000	900,000	3,681,800
3	8	USHE	O & M	588,300	496,000	398,600	4,080,400
31	9	UCAT	Leases	1,301,200	212,000	850,000	4,930,400
	10	UCAT	IT Physical Infrastructure	330,500	330,500	400,000	5,330,400
	11	UCAT	Software Licensing	400,000	400,000		5,330,400
4	11	USHE	Audit Staffing	800,000		500,000	5,830,400
12	12	USHE	Engineering Initiative	2,000,000	2,000,000	2,000,000	7,830,400
11	13	USHE	Health Care Professions Initiative	4,000,000		4,000,000	11,830,400
10	14	USHE	Teacher Initiative	5,700,000	5,700,000	5,700,000	17,530,400
	15	UCAT	Jobs Now	3,057,700	507,500	2,000,000	19,530,400
	16	UCAT	Campus Priorities and Partnerships	2,502,300	80,000	2,000,000	<u>21,530,400</u>
13	17	USHE	IT Physical Infrastructure	4,000,000	1,000,000	2,000,000	23,530,400
5	18	USHE	Financial Aid - UCOPE	2,000,000	2,000,000	1,000,000	24,530,400
6	19	USHE	Financial Aid - State Match	200,000	200,000	200,000	24,730,400
9	20	USHE	Financial Aid - New Century Scholarship	1,742,000	1,742,000	1,742,000	26,472,400
7	21	USHE	Regents' Scholarship	7,000,000		2,000,000	28,472,400
17	22	USHE	H.B. 86, Funding of Inmate Postsecondary Education	1,500,000		750,000	29,222,400
14	23	USHE	RFA - CEU - San Juan Campus Educ. Disadv	25,000		25,000	29,247,400
15	24	USHE	RFA - USU Plant Pest Diagnostic Laboratory	150,000		150,000	29,397,400
16	25	USHE	S.B. 103, Institutional Priorities	20,002,250		17,500,000	46,897,400
22	26	USHE	Faculty and Staff Retention Funds	8,028,500		8,028,500	54,925,900
	27	UEN	Faculty and Staff Retention Funds	300,000		300,000	55,225,900
	28	UCAT	Staff Retention Funds	390,300		390,300	55,616,200
	29	USHE	Utah Academic Library Consortium	1,000,000		1,000,000	56,616,200
<b>Not Prioritized</b>							<b>56,616,200</b>
18		USHE	Utah Academic Library Consortium	1,000,000			56,616,200
19		USHE	Science and Technology Initiative	2,000,000			56,616,200
20		USHE	Educationally Disadvantaged	1,000,000	500,000		56,616,200
21		USHE	Institutional Priorities	17,500,000	4,000,000		56,616,200
22		USHE	Faculty and Staff Retention Funds	8,028,500			56,616,200
23		USHE	Operating Expenses	5,318,100			56,616,200
24		USHE	Internet 2 Research Network	82,000			56,616,200
25		USHE	Emergency Mngt. and Campus Security	4,000,000			56,616,200
26		USHE	Increase UU School of Medicine		5,000,000		56,616,200
28		UCAT	Jobs Now	3,057,700	507,500		56,616,200
29		UCAT	Campus Priorities and Partnerships	2,502,300	80,000		56,616,200
30		UCAT	UCAT Capital Training Equipment	1,000,000			56,616,200
32		UCAT	IT Physical Infrastructure	330,500	330,500		56,616,200
33		UCAT	Software Licensing	400,000	400,000		56,616,200
34		UCAT	Faculty and Staff Retention Funds	390,300			56,616,200
35		UCAT	Operating Expenses	261,000			56,616,200
36		UCAT	Emergency Mngt. and Campus Security	869,800			56,616,200
37		UCAT	Student Counseling Staffing	798,500			56,616,200
38		UCAT	Hearing Impaired Student Translators	250,000			56,616,200
8		USHE	State Scholar Infrastructure	300,000			56,616,200
42		UEN	Staff Retention Funds	300,000			56,616,200
48		Req. for App.	RFA - Concurrent Enrollment	917,130			56,616,200
49		Req. for App.	RFA - WSU Aerospace Defense Employment	2,000,000			56,616,200
50		Req. for App.	RFA - USU O & M Student Athlete Academic Center	78,700			56,616,200
51		Req. for App.	RFA - USU O & M Tooele Instructional Facility	92,300			56,616,200
52		Req. for App.	RFA - UCAT Jobs Now	2,557,700			56,616,200
53		Bill	H.B. 253, Higher Education Information Technology App	8,000,000			56,616,200
54		Bill	S.B. 180, Regents' Scholarship Program	7,500,000			56,616,200
<b>Total</b>				<b>\$139,114,380</b>	<b>\$27,047,800</b>	<b>\$56,616,200</b>	<b>56,616,200</b>

# ONE-TIME

<b>One-time Items Not Funded within Subcommittee Allocation</b>				<b>Agency</b>	<b>Governor</b>	<b>LFA</b>	<b>Running</b>
<b>Priority #</b>		<b>Item</b>	<b>Request</b>	<b>Recomm.</b>	<b>Recomm.</b>	<b>Total</b>	
9	1	USHE	Financial Aid - New Century Scholarship <i>(Supplemental)</i>	659,700		659,700	659,700
10	2	USHE	Utility Rate Increases <i>(Supplemental)</i>	23,800		23,800	683,500
19	3	UCAT	Capital Training Equipment	1,000,000	500,000	1,000,000	1,683,500
28	4	UEN	Network Backbone	200,000	200,000	200,000	1,883,500
29	5	UEN	Elementary/Charter School High Speed Network	500,000		500,000	2,383,500
30	6	UEN	Content Management U of U	200,000	200,000	200,000	2,583,500
31	7	UEN	Disaster Recovery	380,000	380,000	380,000	2,963,500
32	8	UEN	Research Network	200,000	200,000	200,000	3,163,500
34	9	UEN	EDNET Equipment and Site Upgrades	800,000	800,000	800,000	3,963,500
33	10	UEN	Technology-Rich Instructional Content	320,000		320,000	4,283,500
35	11	UEN	USHE IVC Sites and Equipment	1,200,000	465,000	1,200,000	5,483,500
2	12	USHE	Financial Aid - UCOPE			2,000,000	7,483,500
3	13	USHE	IT Physical Infrastructure/Software Licensing	4,000,000	2,000,000	4,000,000	11,483,500
20	14	UCAT	IT Physical Infrastructure/Software Licensing	215,000	215,000	215,000	11,698,500
7	15	USHE	Capital Training Equipment			2,000,000	13,698,500
22	16	UCAT	Capital Training Equipment	2,500,000		2,000,000	15,698,500
41	17	Bill	S.B. 180, Regents' Scholarship Program	50,000,000		5,000,000	20,698,500
4	18	USHE	Utah Academic Library Consortium	4,000,000	2,000,000	2,000,000	22,698,500
23	19	UCAT	Fiscal System Upgrade	425,000	425,000	300,000	22,998,500
6	20	USHE	Emergency Mngt. and Campus Security			500,000	23,498,500
	21	UCAT	Emergency Mngt. and Campus Security			100,000	23,598,500
15	22	USHE	Snow College Richfield Campus buyout	2,500,000		1,000,000	24,598,500
42	23	Bill	S.B. 180, Regents' Scholarship Program	50,000,000		45,000,000	69,598,500
1	24	USHE	O & M			(684,700)	68,913,800
18	25	UCAT	O & M			(442,900)	68,470,900
37	26	Req. for App.	ARCHES Tele-health Network	1,300,000		1,300,000	69,770,900
38	27	Req. for App.	CEU - San Juan Campus USDA Match	50,000		50,000	69,820,900
40	28	Req. for App.	USU Berryman Institute	100,000		100,000	69,920,900
<b>Not Prioritized</b>							
5		USHE	Teacher Initiative	705,000	705,000		69,920,900
8		USHE	Joint High Performance Computing Proposal	1,000,000	1,000,000		69,920,900
11		USHE	Science and Technology Initiative	5,000,000			69,920,900
12		USHE	Use one-time NL Funds				69,920,900
13		USHE	Systems Equip. for Shared Disaster Recovery	500,000	500,000		69,920,900
14		USHE	Planning Grant for Statewide Data Center	100,000			69,920,900
16		USHE	Increase UU School of Medicine		(2,500,000)		69,920,900
21		UCAT	Emergency Mngt. and Campus Security				69,920,900
39		Req. for App.	Native American Heritage Course Development	350,000			69,920,900
<b>Total</b>				<b>\$128,228,500</b>	<b>\$7,090,000</b>	<b>\$69,920,900</b>	<b>\$69,920,900</b>

## E-RATE FILING FOR FISCAL YEAR 2009 - DISCUSSION

### Issue

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February 7, 2008, was the deadline for filing applications for E-Rate funding of Fiscal Year 2009, which runs from July 1, 2008 through June 30, 2009. UEN and the school districts have been very busy filing their respective applications.

### Background

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Many activities lead up to the February 7, 2008 filing deadline:

- UEN held multiple training workshops in the fall and winter months in preparation for the filing window, which opened on November 7, 2007.
- UEN provided support for District and Library E-Rate filings – and when requested to do so - filed all applications for some of those entities.
- UEN posted 470's – the required first step in the procurement process – for Statewide, Regional, School & Library applicants. These 470's enabled some School District applicants to meet E-Rate guidelines when their own 470's did not meet all of their needs.
- UEN completed a Master E-Rate Application Worksheet that includes all schools throughout the State of Utah along with their Free & Reduced Lunch statistics which determine their discount levels. Applicants could copy this worksheet directly into their own applications reducing their data entry needs.
- The regional service centers and ATC's were approved as eligible sites.
- UEN filed for 24 State and County Libraries (including the Goshute Reservation).
- UEN filed for E-Rate reimbursement on recurring services, one-time construction and infrastructure, and internet access for all secondary education sites throughout the State of Utah as well as elementary sites where requested to do so by the school district. We also filed for priority 2 equipment as needed.
- UEN filed for E-Rate for the newly signed contracts; this includes elementary and charter schools with Qwest, UBTA-UBET, Gunnison, Emery, Centracom, South Central, Frontier, Beehive, Conterra and iProvo. UEN also signed Internet Access with Level-3 and XO and backbone upgrades with Qwest, XO and Comcast.

In summary, UEN filed for approximately \$22.9 million in gross E-Rate dollars for Fiscal Year 2009 which equals \$14.7 million net E-Rate dollars for Fiscal Year 2009.

## **Recommendation**

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This is an informational item and requires no further action by the Committee.

## PROPOSAL FOR CHANGE TO IVC FACILITATOR PAYMENT AND BILLING SYSTEM - DISCUSSION

### Issue

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UEN is using an outdated accounting/billing software package and rate structure for the IVC system. We would like to begin an “investigation” phase which would require budgetary increases in the next two years.

### Background

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The EDNET interactive video system Scheduling and Accounting departments have provided a billing system for system usage and for facilitator payment for over 20 years. There has been an accounting system which tracks the numbers of higher and public and administrative hours and translates that into an exchange of payments between program providers and program receivers. UEN is a pass through accounting agency. With the recent conversion of EDNET to IVC, the billing system has become cumbersome with numerous steps needed to convert data and databases to usable formats for the accounting software. The rate structure was updated in 2004 with slight adjustments made for non-educational users. UEN educational and governmental rates remain well below private providers. The rate for facilitator payment remains at \$13.50 hour. This amount was set in 1992 and was based upon costs for site and system needs at that time.

UEN requires that all sites have a local facilitator for technical support, for instructor support, and for student proctoring during all events. With the higher skill set demands of the IVC systems it is important to maintain well qualified individuals (facilitators) in order to provide a quality experience.

The IVC department would like to investigate the potential for rate increases. The investigation would involve researching what other organizations similar to UEN currently charge for such services. It would also involve an analysis of current costs incurred in providing coursework. All our partner institutions will be included in this discussion and their advice and approval of rate increases will be included in the overall planning for budgetary purposes.

The IVC department will bring back to the steering committee all facts and findings for further discussion.

# Recommendation

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It is recommended that the Steering Committee approve the “Investigation” phase of this issue.

## SOUNDZABOUND - DISCUSSION

### Issue

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Royalty free music for education is now available on K-12 Pioneer Online Library, eMedia, and CollegeMedia.

### Background

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Soundzabound Music Library was founded by educators in 1996. The service was developed by producers, songwriters, arrangers, studio owners, ASCAP members and copyright legal counsel working to produce high quality, educationally priced music.

UEN added this service for several reasons:

- Creating a multimedia production is part of the Utah Educational Technology core curriculum, and many CTE and higher education courses
- Students and educators are producing more multimedia content, including video yearbooks, zines and podcasts
- It provides a safety net for UEN, districts, and institutions where students or educators may be in violation of copyright compliance since a music library is provided for educational use
- UEN professional development classes that teach multimedia production and podcasting will be enhanced
- The UEN digital asset management system and Pioneer could easily distribute the content in a secure environment
- Feedback from multimedia instructors and reviewers was positive

The collection includes 516 files in short and long segments. Genres include classical, country, hip-hop, cultural, historical, sound effects, and many others. Students can access the collection through the K-12 Pioneer Library at <http://pioneer.uen.org> by clicking on the Soundzabound link, or the individual music files can be downloaded from eMedia and CollegeMedia. They appear in the “Audio” catalog.

## **Rights**

Each clip is accompanied by the following rights notice:

*Music files may be downloaded to any number of machines, computers and digital music players so long as it is the property or personal possession of a student, teacher or administrator of the licensed school entity. Music may be edited and incorporated into other media files or presentations. Educators may also duplicate and sell their finished products for profit which contain Soundzabound Music, so long as it is within their educational realm, and not for personal or business profit and purposes.*

## **Recommendation**

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This is an informational item and requires no further action by the Committee.



## NETA AWARDS AND MHz WORLDVIEW CHANNEL DEBUT - DISCUSSION

### **Issue**

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Two press releases regarding UEN are included under this tab.

### **Background**

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UEN received two national awards in January for outreach on UEN SciFi Friday and NetSafe Utah. A press release with this announcement is included under the tab.

Steering Committee members can also view a press release regarding the new MHz Worldview Channel on UEN-TV's 9.2 Digital Channel which began broadcast in Utah on February 1, 2008.

### **Recommendation**

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This is an informational item and requires no further action by the Committee.



# Tab 29 ATTACHMENT A

## UEN'S OFF-BEAT SCIENCE AND INTERNET SAFETY PROJECTS WIN NATIONAL OUTREACH AWARDS

(Columbus, OH) – The Utah Education Network (UEN) won two national outreach awards from the National Educational Telecommunications Association (NETA) at its annual meeting in Columbus, Ohio.

The contest judges honored UEN's innovative NetSafe Utah project with a first place award for community outreach. The judges cited its bilingual support of Spanish and English, its partnerships with other organizations, and the way it involved children, parents, and grandparents in fostering safer online experiences.

UEN's SciFi Friday took top place as a licensee outreach project for its "indisputably off-beat, humorous, and original use of science-fiction and horror flicks to teach science and political history." Judges loved the way connections were drawn between B-movies like "Santa Claus Conquers the Martians" and the Cold War, or "The Atomic Blonde" and the physics involved in splitting the hydrogen atom.

The annual NETA Awards recognize member-produced excellence in public broadcasting, a tradition established more than forty years ago by the NETA's predecessor the Southern Educational Communications Association. NETA, founded in 1997, serves public television licensees and affiliated educational organizations. The organization has members in 44 states, the District of Columbia, and the Virgin Islands. NETA is headquartered in Columbia, South Carolina.

NetSafe Utah is a collaborative project of UEN, KUED, the Utah State Office of Education, the National Center for Missing and Exploited Children, the Utah Internet Crimes Against Children Task and the University of Utah Center for the Advancement of Technology in Education. The project produced an hour long television program, NetSafe Utah: CyberSafe Your Teens and makes live presentations to schools, community groups and professional development conferences for educators and librarians. NetSafe Utah also hosts an extensive Web site at [www.netsafeutah.org](http://www.netsafeutah.org). The site aggregates dozens of high quality resources for parents, educators and students.

UEN SciFi Friday is a weekly broadcast of a classic, low-budget film from the 1930s to the 1970s paired with a new audio podcast about a scientific or educational aspect of the film. UEN Outreach Coordinator Autumn Thatcher has conducted more than 60 interviews for the podcast. Guests have included Director Jeffrey Saffle of the Burn Unit at the University Hospital, Utah State Medical Examiner Todd Grey, Hollywood producer Sam Longoria, and body-builder David Prowse who provided the physical form of Darth Vader in the first Star Wars movies. UEN SciFi Friday movies are broadcast Friday nights at 9:00 p.m. on UEN-TV Channel 9. The podcasts are online at [uen.org/tv](http://uen.org/tv), Apple iTunes and [utah.edu](http://utah.edu).

The Utah Education Network is a statewide consortium of higher education, public education and libraries. UEN's high speed computer network connects Utah colleges and universities as well as the state's school districts and libraries. The Network facilitates interactive video conferencing, provides instructional support services, and operates station UEN-TV on behalf of the Utah State Board of Regents. UEN services benefit more 750,000 students and educators throughout the state of Utah. Network headquarters are in Salt Lake City at the Eccles Broadcast Center on the University of Utah campus. UEN's vision is to be Utah's most recognized, trusted, and accessible partner for innovation in educational technology.

02-06-2008



NETA president Skip Hinton presents national outreach awards to UEN Instructional Services Director Laura Hunter and UEN Outreach Coordinator Autumn Thatcher.

High resolution image of this photo is available at:

<http://www.uen.org/news/news/2/SciAwardLG.jpg>

This news release is also available online at:

[http://www.uen.org/News/article.cgi?category\\_id=2&article\\_id=2128](http://www.uen.org/News/article.cgi?category_id=2&article_id=2128)

# TAB 29 ATTACHMENT B

## MHz WORLDVIEW NEWS RELEASE

### **Think globally, view locally with UEN's new international programming.**

(Salt Lake City) - A 24 hour stream of international broadcasts is premiering throughout February on UEN-TV digital channel 9.2. The non-commercial programming, provided by the MHz WorldView Channel, features programs from around the world including news, opinion, interviews, music, international films, drama and culture.

“In a global economy, relevant news and cultural information from beyond our borders is becoming a necessity to informed citizens. As the exclusive Utah broadcaster of MHz Worldview, UEN is making this new source of international programming available to Utahns as a new digital television service,” said Laura Hunter, UEN-TV station manager.

“Utahns have responded enthusiastically to a sneak peak of the new channel. Starting in 2007, UEN presented previews of MHz Worldview programming to community groups, with 98% of participants wanting more of what they saw and recommending UEN carry the MHz Worldview programming in Utah. MHz WorldView helps fulfill UEN's mission to create educational opportunities, connect people and foster collaboration,” said Hunter.

The broadcasts originate in multiple countries including Australia, China, France, Germany, India, Japan, Nigeria, Russia, South/Central America, and Taiwan. Among the programs are the Asian Variety Show, Deutsche Welle Hispanic, Euromaxx, European Journal, France 24 News, Network News from Nigeria, Russia Today News, This is Beijing and This Week in India.

“With the prevalent increase of interest in world affairs, we believe MHz Worldview provides authentic international content that helps strengthen global knowledge and support the world community,” said Frederick Thomas, Chief Executive / GM of MHz WorldView.

Utah residents who previewed the programming included individuals from eight countries, representatives from public school districts, adult English as a Second Language programs, community education programs, the Utah Refugee Resettlement Program of the Department of Workforce Services. In addition, UEN sought input from the Salt Lake City Mayor's Office of Diversity, the Asian Association of Utah, Centro de la Familia de Utah, the International Rescue Committee, the Department of Child and Family Services, Salt Lake Community College, Weber State University, Utah Valley State College, and Gold Bell Productions, a local producer of Spanish language documentaries. One participant said, “I think the concept is sound and offers diversity to viewers. UEN should vigorously work towards bringing this type of programming to Utah viewers.” Another added, “This looks to be an excellent resource that would benefit both teachers and students alike.”

The new programming is part of UEN's ongoing transition to digital broadcasting. As all broadcast television stations move toward the digital transition on February 17, 2009, UEN-TV has chosen to deliver additional quality educational content to residents of Utah through its secondary digital television station. In addition to allowing television broadcasters to transmit high-definition television programs, digital TV allows them to transmit multiple channels of standard-definition programming (a practice called "multicasting"). Starting in February 2008, UEN-TV digital programming includes: UEN-TV 9.1, a simulcast of the UEN-TV analog signal with "TV for Thinkers" programming for teachers, higher education and students of all ages; UEN-TV 9.2, the MHz Worldview Channel; and UEN-TV 9.9, an audio feed of KUER-FM broadcasts to facilitate retransmission via FM translators to rural communities. More information about digital TV is available at [uen.org/tv/dtv](http://uen.org/tv/dtv).

The Utah Education Network is a statewide consortium of higher and public education and libraries. UEN's high speed computer network connects Utah colleges and universities as well as the state's school districts and libraries. The Network facilitates interactive video conferencing, provides instructional support services, and operates station UEN-TV on behalf of the Utah State Board of Regents. UEN services benefit more 750,000 students and educators throughout the state of Utah. Network headquarters are in Salt Lake City at the Eccles Broadcast Center on the University of Utah campus. UEN's vision is to be Utah's most recognized, trusted, and accessible partner for innovation in educational technology. MHz Networks is an independent, non-commercial television broadcaster delivering international educational and arts programming and providing diverse cultural perspectives for a globally-minded audience. A division of Commonwealth Public Broadcasting Corporation headquartered in Richmond, VA, MHz Networks is a 501 (c) 3 non-profit organization. MHz has studio facilities in Falls Church, VA and at Washington, DC's Ronald Reagan Building and International Trade Center.

02-04-2008

This release is also available online at:

[http://www.uen.org/News/article.cgi?category\\_id=2&article\\_id=2127](http://www.uen.org/News/article.cgi?category_id=2&article_id=2127)

**NETWORK PERFORMANCE METRICS - DISCUSSION****Issue**

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The UEN Network Operations Center continues to monitor the health and utilization of the network. This report provides these latest statistics.

**Background**

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Performance Metrics of the UEN Backbone:

**Network Backbone Availability**

Month to date: 100%  
 Quarter to date: 99.989%  
 Year to date: 99.989%

**Average POP Site Latency**

USU	3.1 ms	-1.6ms
WSU	3.7 ms	+0ms
DATC	3.4 ms	+0ms
EBC	3.0 ms	-0.1ms
SLCC	2.9 ms	-0.1ms
UVU	2.5 ms	-0.2ms
UVUW	3.1 ms	-0.2ms
CEU	4.0 ms	-0.1ms
Snow	3.2 ms	-0.4ms
SnowS	3.7 ms	-0.3ms
SUU	5.1 ms	-1ms
Dixie	6.1 ms	-0.4ms

### **Network Backbone Utilization by Ring**

North Ring:	76%	+4%
Central Ring:	96%	-4%
South Ring:	32%	-5%

### **Internet Bandwidth Summary**

Available Bandwidth:	3.9Gbps
Peak Utilization**:	2.1Gbps

Network Events of significance since the last report:

- 1/17/08 - Backbone outage at USU – A Datacenter power bump caused UEN equipment to not recover, causing an outage of nearly 60 minutes. This caused our drop in network availability statistics since the last report.
- 2/04/08 – Massive Traffic Spike – UEN noted its highest traffic utilization in its history when streaming video feeds from the video provider for KSL.com were started in conjunction with the announcements related to the LDS church. No outage nor degraded service occurred during this event.

*\*\*Note: All peak utilization statistics are calculated using the peak 95th percentile industry standard formula.*

## **Recommendation**

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This is a discussion item and requires no further action by the Subcommittee.



## STEERING COMMITTEE MEETING MINUTES

### UTAH EDUCATION NETWORK STEERING COMMITTEE

December 17, 2008 – 9:00 a.m.

**Members Present:** Kenning Arlitsch, Clark Baron, Jon Crawford, David Fletcher for Stephen Fletcher, Rick Gaisford, Brenda Hales, Stephen Hess, M. K. Jeppesen, Gary Koeven, Pat Lambrose, Jared Johnson for Ronda Menlove, Donna Morris, Gail Niklason, Kirk Sitterud, Jason Stanger, Glen Taylor, Eric Mantz for Ryan Thomas, Mike Petersen, Ray Walker, Gary Wixom.

**Others Present:** Scott Allen, Kyle Anderson, Dale Bills, Barry Bryson, Rick Cline, Dave Devey, Jeff Egly, Rich Finlinson, Claire Gardner, Boyd Garriott, Thom Gourley, Eric Hawley, James Hodges, Laura Hunter, Troy Jessup, Karen Krier, Bill Kucera, Lisa Kuhn, Don Mahaffey, Bryan Peterson, Kevin Quire, Joni Robertson, Dennis Sampson, Sabrina Scott, Larry Smith, Jim Stewart, Cory Stokes, Louie Valles, Aaron Wilcox.

#### **Welcome and Introductions**

Gary Wixom opened the meeting and welcomed everyone and thanked them for coming. First item of discussion was to go over the dates for the 2008 Steering Committee Meetings. **A motion was made and seconded to change the April 18, 2008 meeting to April 11, 2008. THIS MOTION CARRIED.**

#### **Committee of the Whole**

#### **Tab 13 - Charter School Steering Committee Representative**

Mike reported that Debbie Gomberg had resigned from the Steering Committee due to increased responsibilities as principal of North Davis Preparatory Academy. The State Charter School Board has recommended Jason Stanger, Principal of East Hollywood High School be approved to replace her. **A motion was made and seconded to approve Jason Stanger to the Steering Committee, pending formal approval from the Governor's Office. THIS MOTION CARRIED.**

**Tab 14 - Preparations for the 2008 Legislative Session**

Mike Petersen reported that preparations for the 2008 Legislative Session are well under way. Mike has already had several meetings with Senators and Representatives, and presented at committee hearings. Below is a breakdown on the FY 2009 Budget Request.

<b>Utah Education Network FY 2009 Budget Request</b>			
<b>A. Funding Through Higher Education Appropriation Subcommittee</b>			
<b>1. Network Infrastructure</b>	<b>UEN Request</b>	<b>Governor's Recommendation</b>	<b>Difference Gov/UEN</b>
Network Backbone (10 gig)	\$400,000	\$400,000	\$0
Research Network (10 gig)	\$700,000	\$700,000	\$0
<b>Subtotal Network Infrastructure</b>	<b>\$1,100,000</b>	<b>\$1,100,000</b>	<b>\$0</b>
Education Funds (Ongoing)	\$700,000	\$700,000	\$0
Education Funds (1-time)	\$400,000	\$400,000	\$0
<b>2. Technology - Rich Instructional Content</b>			
Education Funds (Ongoing)	\$820,000		(\$820,000)
Education Funds (1-time)	\$500,000		(\$500,000)
Education Funds (1-time)	\$320,000	\$0	(\$320,000)
<b>3. Instructional Video Conferencing Improvements</b>			
EDNET - Equipment & Site Upgrades	\$800,000	\$800,000	\$0
USHE - IVC Sites & Equipment	\$1,200,000	\$465,000	(\$735,000)
<b>Subtotal Network Infrastructure</b>	<b>\$2,000,000</b>	<b>\$1,265,000</b>	<b>(\$735,000)</b>
Education Funds (Ongoing)	\$0	\$0	\$0
Education Funds (1-time)	\$2,000,000	\$1,265,000	(\$735,000)
<b>4. Enterprise Applications Equipment</b>			
UofU Migration to UEN CMS Support	\$200,000	\$200,000	\$0
Richfield Data Center - Disaster Recovery	\$380,000	\$380,000	\$0
<b>Subtotal Enterprise Applications</b>	<b>\$580,000</b>	<b>\$580,000</b>	<b>\$0</b>
Education Funds (Ongoing)	\$0	\$0	\$0
Education Funds (1-time)	\$580,000	\$580,000	\$0
<b>5. Salary Adjustments</b>			
3.0% Cost-of-living Adjustment		\$237,600	\$237,600
2.0% Discretionary	\$300,000	\$158,400	(\$141,600)
1.6% Health Insurance Adj.		\$83,700	\$83,700
Subtotal	\$300,000	\$479,700	\$179,700
<b>Plan of Financing</b>			
Education Funds (Ongoing)	\$300,000	\$479,700	\$179,700
Education Funds (1-time)			
<b>6. Other Adjustments*</b>			
Education Funds (Ongoing)		(\$1,000)	(\$1,000)
Education Funds (1-time)	\$0	(\$1,000)	(\$1,000)
Education Funds (1-time)			\$0
<b>Total Funding</b>			
	\$4,800,000	\$3,423,700	(\$1,556,000)
Education Funds (Ongoing)	\$1,500,000	\$1,178,700	(\$321,300)
Education Funds (1-time)	\$3,300,000	\$2,245,000	(\$1,234,700)
<b>B. Funding Through Public Education Appropriation Subcommittee</b>			
<b>Elementary, Charter &amp; Secondary Schools</b>	\$1,200,000	\$0	(\$1,200,000)
Education Funds (Ongoing)	\$700,000	\$0	(\$700,000)
Education Funds (1-time)	\$500,000	\$0	(\$500,000)
<b>FY 2009 Budget Increase</b>			
	\$6,000,000	\$3,423,700	(\$2,756,000)
Education Funds (Ongoing)	\$2,200,000	\$1,178,700	(\$1,021,300)
Education Funds (1-time)	\$3,800,000	\$2,245,000	(\$1,734,700)

\* Internal Service Fund Adjustments

### **Tab 15 - Vista Course Management Service Outage**

Bryan Peterson along with Scott Allen reported that there were two unplanned outages with the Blackboard Vista Service due to an intermittent hardware failure. During the first outage, database corruption occurred and approximately 2 1/2 days worth of work on the system could not be recovered. A third outage on November 30th was avoided, due to the experiences and knowledge gained during the first two outages.

UEN performs full database backups every Sunday morning, and incremental backups at 3 a.m. and 6 p.m. daily. This was an extremely difficult problem to diagnose, primarily because the data errors were intermittent and the faulty hardware switch did not report any unusual errors until it was reset. Until the switch reset, we could not correlate errors on the database server with errors on other components of the system.

This problem was not related in any way to defects in the Blackboard Vista software or system architecture. This was a hardware problem that affected Blackboard Vista software. Please see Tab 15 Attachment A for the full graphics that were displayed during the meeting.

### **Tab 16 - Web Conferencing Tool RFP Conclusion**

Cory Stokes reported that UEN did issue an RFP to select and license a hosted web conferencing tool. The tool would be licensed for the use of higher education and public education institutions using ongoing funds granted by the legislature as part of the funding for the Blackboard Vista course management system (CMS).

The evaluation group and UEN technical staff recommends Wimba as the solution that best fit the requirements and technical specifications. Wimba's proposal includes an 8-month pilot project covering all higher education institutions as well as K-12 with the Wimba Live Classroom, Voice Tools, Course Genie and Pronto services. UEN will provide information regarding implementation timelines, processes and training via established communication channels with the Vista CMS administrators at the USHE institutions and C-Forum for K-12 users. **A motion was made and seconded to approve the selection of Wimba for the new Web Conferencing Tool. THIS MOTION CARRIED.**

### **Tab 17 - MHz Worldview Digital Channel**

Laura Hunter reported on the feedback received from several community groups who have had an opportunity to review the channel. UEN has also conducted a licensing review with legal counsel and a technical review with the KUEN broadcast engineering staff. For more detailed information regarding the Digital Channel please see Tab 16. **A motion was made and seconded to approve carriage of the MHz Worldview program stream on UEN-TV digital channel 9.2. THIS MOTION CARRIED.**

### **Tab 18 - Policy 2.2: E-Rate Compliance and Funding Policy**

Lisa Kuhn reported that UEN is not able to apply for all the federal E-Rate money that it is eligible for because some schools connected to the UEN network are not collecting or providing the appropriate income and Free Reduced Lunch Program (FRLP)

eligibility documentation that is required for federal reimbursement. Policy 2.2 will provide UEN with the authority to effectively deal with this situation.

For a detailed outline of Policy 2.2, please see Tab 18 Attachment A. Lisa also reported that this policy would take effect November 15, 2008. This would allow UEN ample opportunity to work with all the schools to get them compliant with the FRLP program.

### **Tab 19 - Network Performance Statistics**

Troy Jessup reported on the current statistics for the Network Performance. The quarter ended at 99.998%.

### **Tab 20 - Network Improvements Request for Proposals**

Dennis Sampson reported on the two RFP's that were issued for projects to upgrade core segments of the UEN backbone to 10 GB Ethernet and improve backbone segments in rural areas of the state where required. Vendor responses for the elementary school, charter school and Salt Lake County Libraries were received on December 6th. UEN staff are working closely with regional and school district staff on this RFP which covers 22 school districts and over 250 schools.

Funding for the 10GB and elementary and charter school projects is contingent upon UEN's FY 2009 legislative budget request and successful E-Rate filings.

### **Tab 21 - High Definition Video Conferencing-Planning, Testing and Evaluation**

Jeff Egly reported that UEN is assessing high definition from two directions. First, an end-point evaluation is underway. As part of UEN's end point testing and assessment it will be important to evaluate how HD end-points perform in a standard definition environment as well as with other high definition components. The second area of focus is on the multipoint control unit (MCU). This equipment is essential for bridging any large scale distance education events and is the real work horse for bridging all UEN scheduled events. In addition to understanding HD technology, it will be necessary to understand support requirements. It is for this reason that adequate planning, testing and coordination with UEN Application Engineering, the Video Operation Center, Distance Education Specialists, Scheduling and UEN stakeholders is essential.

### **Tab 22 - Other**

Nothing to report.

### **Tab 23 - Steering Committee Meeting Minutes**

Correction to the minutes to show that Gary Koeven was present. **A motion was made and seconded to approve the minutes with corrections. THIS MOTION CARRIED.**

The next Steering Committee meeting will be held on February 15, 2008, at 9:00 a.m. at the Dolores Doré Eccles Broadcast Center.

***Please note: detailed information and discussion of the issues are included in the materials prepared for the meeting. These materials are available online at [www.uen.org/steering/html/materials.html](http://www.uen.org/steering/html/materials.html). Please refer to them for additional reference.***



**STEERING COMMITTEE BUSINESS MEETING**

**TAB 1**

**OTHER**





## TOOLS UPDATE - QUICK TICKET - DISCUSSION

### Issue

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The UEN Network Operations Center continues to develop tools and systems to increase its monitoring and management capabilities for the network. Our latest tool is detailed below.

### Background

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UEN Network Operations has worked to develop a ticket and incident management system. The project is called “Quick Ticket” based on our goals of making the opening and updating of tickets quick and simple.

This project was started as a supplement for Network Operations and Video Operations, and is expanding throughout UEN Technical Services. It is quickly becoming the main source of communication between departments at UEN.

Quick Ticket has been in use since December 2007, and with this system we have cataloged over 2500 incidents and issues.

A Quick Ticket demonstration will be provided as part of the presentation.

### Recommendation

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This is a discussion item and requires no further action by the Subcommittee.



## SECURITY ASSESSMENTS - DISCUSSION

### Issue

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Regional Network Security Assessments - Since the last UtahSAINT Conference, UEN has been working to provide security assessment services to regions and districts. Although these have met with some challenges, we have begun the process and details are listed below.

### Background

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UEN Security Operations has participated in the first round of District/Region security assessments. The first assessments have been completed in the CUES region.

Future assessments are being planned for SESC region in May. Discussion and planning for SEDC are also progressing. Implementation timetables may become more aggressive as the abilities of regions and districts increase and as completion of other projects within UEN permit.

These assessments take a considerable amount of UEN security resources, but provide an in-depth and hands on experience for participants. This experience will allow regions and districts to continue developing these skills on a local level to ensure increased security of their networks in the future.

### Recommendation

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This is an informational item and requires no further action by the Subcommittee.



## DISTANCE EDUCATION RESOURCES FOR STUDENTS AND FACULTY - DISCUSSION

### Issue

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The Utah Education Network has recently created a Web site ([http://www.uen.org/distance\\_ed/resources/](http://www.uen.org/distance_ed/resources/)) containing a variety of resources to assist Utah's students and faculty involved with distance education in high school and the colleges/universities. See the attachment tab for a screen shot of this web page.

### Background

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At the request of Instructional Services Committee members and participants in the spring strategic planning retreats last May, UEN has developed a Web site of resources for prospective distance education students.

Distance education continues to see rapid growth in Utah, as evidenced by the following statistics:

- In 2007 there were 97,783 students at USHE institutions enrolled in technology-delivered classes; up from 75,614 in 2006
- Over 40% of USHE head count enrollment is now technology-related
- IP Video enrollments increased 23% in 2007
- Unduplicated head count for technology courses is distributed over four UEN-supported delivery systems:
  - ◊ UEN-TV Telecourses..... 1,834
  - ◊ IVC/EDNET/UENSS Classes ..... 13,200
  - ◊ Online Internet Courses ..... 61,238
  - ◊ Other computer delivered courses ..... 16,511

*(Source: USHE Enrollment)*

Access to information about distance education programs, and the efforts required of a distance education student is important at the outset of the students' program and throughout their course of study. The new Distance Education Resources Web Site should help make accessing the information easier for students.

# Recommendation

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This is an informational item and requires no further action by the Subcommittee.

# TAB 4 ATTACHMENT A

## DISTANCE EDUCATION RESOURCES FOR STUDENTS AND FACULTY - WEB PAGE





**UTAH EDUCATION NETWORK**

### Distance Education Resources for Utah's Students and Faculty





**General** | **Students** | **Faculty**

**Distance Education at Utah's Institutions:**

**Universities**

-  University of Utah Continuing Education
-  Weber State University Online and Independent Study
-  Utah State University Distance Education
-  Southern Utah University Distance Education

**Colleges**

-  Snow College Division of Continuing Education
-  College of Eastern Utah Distance Learning
-  Salt Lake Community College Distance Education
-  Dixie State College Distance Education Services
-  Utah Valley State College Distance Education
-  Utah Electronic College


**High School**

-  Utah Electronic High School


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**Library Resources**


**K-12 Schools**

-  K-12 Pioneer Library

**Public Libraries**





-  Public Pioneer

**Colleges/Universities**

-  Academic Pioneer


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**Distance delivery modes:**

-  Interactive Video Conferencing
-  UENSS (Satellite)
-  EDNET
-  UEN-TV

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**Use of technology in the classroom**

-  ClassroomTech
-  Education World





## UPCOMING CONFERENCE SCHEDULE - DISCUSSION

### Issue

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UEN Professional Development and Public Information Staff members have been active in supporting spring and summer education conferences.

### Background

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A Utah educators and national participants will have many opportunities to learn about UEN and educational technology resources best practices in the coming months. Staff has been actively planning conference support, presentations, exhibit booths, and sponsorships for the following events:

Utah Coalition for Educational Technology (UCET) on February 29 and March 1 in Taylorsville

*<http://ucet.org/>*

Sample Presentations:

- Jared Covili - Gabcast: Create a Podcast with your Cell Phone and Google: Search This!
- Rob Bentley – Foreign Language Resources
- Ann Howden - The Pioneer (Library) Experience
- John Bryner - NETS Refresh and Video iPod: More than a Toy
- Victoria Rasmussen - Word UP! (Changes in 2007)
- Tim Stack - Media Projects with iLife

Utah Educational Library Media Association (UELMA) on March 6 in Ogden

*<http://www.uelma.org/>*

Sample Presentations:

- John Bryner - Web Pages for Everyone (my.uen)
- Rick Cline - What's New in Pioneer Library and NetSafe Utah

Collaboration 2008: Southwest Vista Users Group on March 18-19 in Salt Lake City

<http://nl.nevada.edu/2008Conference/>

Sample Presentations:

- Jared Covili - Video in Vista: Three models for Hybrid Courses
- Victoria Rasmussen - Orienting Students for Online Learning

Teaching with Technology Idea Exchange (TTIX) on June 5-6 in Orem

<http://ttix.org/>

Sample Presentations:

- John Bryner - Designing for creativity
- Jared Covili - Creating a Collaborative Course using Google Tools

National University Telecommunications Network (NUTN) on June 9-11 in Park City

<http://nutn.org/>

- UEN staff will provide a GPS/Geocaching activity as an ice-breaker the opening night of the conference.

USOE Business Curriculum Conference on June 10 in Syracuse

<http://www.schools.utah.gov/cte/business.html>

Sample Presentations:

- Jared Covili - ePortfolios for Students
- Rob Bentley - Using Educational Games; Excel 2007: What's New?
- Tim Stack - Advanced Dreamweaver: Drop-down Menus and Google Tools for Productivity and Collaboration

USOE Technology Education Curriculum Conference on June 12-13 at Northridge High School in Layton

<http://www.schools.utah.gov/ate/Teched/caSummerConferenceTechEdHome2007.htm>

Sample Presentation:

- Ross Rogers - Teacher Web Pages with the NEW my.uen

USOE Marketing Curriculum Conference on June 12-13 at WSU Davis campus in Layton

<http://www.schools.utah.gov/ate/Marketing/market.htm>

Sample Presentations:

- Ross Rogers – PowerPoint 2007 Update
- Jared Covili – Google Tools

Second Annual Utah Charter School Conference on June 16-17 in American Fork

<http://www.utahcharters.org/index.php>

Presentations TBD

Utah Rural Schools Association Summer Conference on July 8-11 in Cedar City

<http://www.ursa.k12.ut.us/>

Presentations TBD

## **Recommendation**

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Subcommittee members are asked to communicate these learning opportunities to others on their campus and in their organization. No further action is required of the Subcommittee at this time.



## PUBLIC AND HIGHER EDUCATION ADVISORY REPORTS - DISCUSSION

### Issue

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Doug Jones, representing the Public Education Advisory Committee and Cyd Grua, representing the Higher Education Advisory Committee will provide an update on recent committee meetings.

### Background

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Members of the Higher Education Advisory Committee met on January 15, 2008 over the Wimba Conferencing System where the following items were discussed:

1. Demonstration of Wimba
2. Discussion of Wimba training and roll out process
3. NUTN and TTIX announcements
4. MHz Worldview update

The Public Education Advisory Committee met on January 31, 2008 in Jordan School District to discuss the following items:

1. New PEAC member Carl Boyington
2. Wimba
3. iTunes U
4. ITC Workshops
5. Math content
6. New UEN.org Web site
7. Legislative updates

Meetings of both committees will be held again in March. Contact the committee chairs if you'd like to participate or have questions.

# Recommendation

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This is an informational item and requires no further action by the Subcommittee.