

2016-2017 Regular Meeting of the Technology Advisory Committee (TAC)

Fremont Unified School District, Technology Training Center, District Office, 4210 Technology Drive, Fremont, CA 94536

January 23, 2017, 7:00 p.m. – 8:30 p.m.

Call to Order: 7:06 p.m. when quorum reached

Roll Call:

| Fremont Community Member | Present (Y/N) | FUSD Staff Member | Present (Y/N) |
|---|---------------|--|---------------|
| Biju Abraham , Parent, American Attendance Area | Y | Thom Birbeck , Coach C & I Dept. & FUDTA Rep. | N |
| Goutam Das , Parent, Mission Attendance Area, | Y | Anne Damron , School Secretary, & CSEA Rep.; Secretary 16-17 | Y |
| Sameer Desai , Parent, American Attendance Area, | N | Jeff Downing , Computer Specialist, Millard Elementary, Vice Chair 16-17 | Y |
| Linda Licari , Parent, Washington Attendance Area | Y | Maile Ferreira , Teacher Librarian, MSJ High, FUDTA Rep. & FUSD Librarian | Y |
| Robert Hou , Community Member | N | Eric Bables , Instructional Technology Coordinator | Y |
| Vikram Jung , Parent, Mission Attendance Area | Y | Vacancy, SEIU Representative | |
| Rebecca Smith , Community Member | N | Prince Padania , Teacher, MSJ Elementary | Y |
| Peter Xie , Parent, Washington Attendance Area Chairperson 2016-2017 | Y | Rob Reibenschuh , Asst. Principal, American HS | Y |
| Seated Voting Members: 15 | | Quorum Met: 11/15 | |
| | | Joe Siam , FUSD CTO, ex-officio, non-voting | Y |

Guests: Mary Lascia, FUSD IT Support Administrator; Charlie Ott, FUSD Director of Transportation.

Approval of Minutes: Jeff Downing motioned and Rob Reibenschuh to approve the minutes of December 5, 2016. The minutes were approved with a unanimous vote.

Approval of Agenda: Following a brief review of the proposed agenda, Peter Xie motioned to approve the agenda. Goutam Das seconded the motion. The agenda was approved with a unanimous vote. Chair Peter Xie asked Vice Chair Jeff Downing to be the time-keeper for the meeting.

Oral Communications - none

CTO update: Joe Siam reported that all but one position in the IT department has been filled. The Systems Administrator remains unfilled, but interviews are in progress. Measure E funded projects are under way and proceeding on schedule. The WAN project should start this week with fiber optic cable being pulled underground (weather permitting). Joe reported that during a power outage at the FUSD district office last week, the backup power supply worked as expected. He shared slides about the circuit utilization and time laps of the streaming load, including the lunchtime spike during inaugural events last Friday. During the time lapse, the increase in the number of devices is clear. The time lapse shows the need for the recent increases in available bandwidth.

The IT department is beginning to research Voice and Public Address Systems. Currently, FUSD uses Mitel-based phones and hardware (a digital system), along with Esnatech back end and voicemail servers. The sites are connected via data circuits. Each High School is a hub for the Junior High and Elementary Schools in the attendance area. Those hubs have battery backup of only one-half hour, which created a safety concern. The last upgrade was 3 plus years ago, but the cables in the schools are 17 years old. Currently the department has 2 phone technicians and the system is experiencing call quality issues, connectivity issues and call dropping. Joe shared slides of the system, cabling, and also bandwidth levels from the aggregator collecting calls from different school levels. Currently, voice and data are sharing the same link. The increases in data usage affect

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the voice quality. Public Address systems are also an issue as seven sites have no “whole school” PA system. Parkmont needs repair and more outdoor speakers. A recent cost estimate for that project was \$27,000. All systems are standalone and require individual programming and management. Joe shared a slide of a potential VOIP solution. He also noted that e-Rate funding (previously used for this type of project, is being phased out.) \$4.8 million is a conservative estimate of the cost for Voice and Public Address Systems for FUSD Schools. It is possible that SPURR Funding might support this. A future agenda item will include more cost analysis of a project of this scope and size. He showed a slide of one possible Informacast solutions. Members asked about the size of the units, security, both physical and network security, and whether school site staff would have input on the placement of the outdoor speakers.

New Business:

The Transportation and Routing Software Upgrade plan review continued. Charlie Ott introduced his subcommittee (members Sameer Desai, Gautam Das), reviewed the Transportation Department goals, and refreshed TAC on companies he has personally worked with as well as informal survey results of other large district’s transportation departments. He shared slides reviewing features and costs, and emphasized the need for day variant scheduling options. TAC asked questions regarding costs, consolidation of the industry, how costs were computed, the value of the overall cost, etc. **Linda Licari made a motion that TAC recommend Versatrans as the vendor for Routing and Planning software for FUSD’s transportation department. Eric Bables seconded the motion. TAC voted unanimously to approve the motion.**

Old Business:

TAC members noted that the following items will be ready to be reported on at the March TAC meeting.

- a. Change Student Behavior By Scanning ID Cards, SSICA apps and service (follow up)
Presenter, owner: Rob Reibenschuh
- b. Website Hosting/Content Management Systems: Presentation/Updates/Action Barth Paine
- c. Technology Plan Review: Presentation/Updates/Action Item
Rebecca Smith, Joe Siam, Mary Lasica
- d. Hardware Refresh Cycle/Budget: Presentation/Updates/Action Item
Mary Lasica Members noted that this item is closed. Joe noted that the LCAP numbers of unduplicated students would be sent to Chair Peter Xie for distribution to TAC. Members noted that as refresh cycles are discussed, teachers really need numerical keypads to ease the entry of grades.

Possible Future Agenda Items:

TAC Review Proposal Subcommittee Progress
Privacy/Ransomware/Student info in so many web-based places (Back-ups, DRS)
Tech Survey Subcommittee Progress
Update on internal document - Technology Roadmap
Clock/Bell/Speaker/Phones Update
Illuminate pilot of Parent Portal & return of online enrollment

MEETING ADJOURNED: 8:38 p.m.

NEXT MEETING: Monday, February 6, 2017

QOS Quality of Service
VOIP Voice Over Internet Protocol
SPURR School Project Utility Rate Reduction