

## Technology Advisory Committee

December 9, 2019

### Meeting Minutes

**In attendance:** Oleyemi Awofadeju, Veronica Scalfani, Russell Kaufman, Cassandra Robinson (Phone Participants)

Robert Sanders, Chuck Griffin, Jason Greenberg, Kathy Brooks, John Lyles, Andrew Dolberg, Beau Simon, Beth Anne Carr, Dale Bondanza, Daryl Diamond, Harmoni Clealand, Jillian Douglas, Julio Gonzalez, Mark O'Loughlin, Maximo Rosario, ReKishia Moore Redding, Rick Reynolds, Sasha Azouth, Sean Hershkowitz, Stephanie Bustillo, Vince Vinueza, Zak Barbarosh, Lucy Gonzalez, Tommy Fitzpatrick, Matthew Bradford, Amanee Tyson

#### Agenda Items:

1. **Call to Order** – Beth Anne Carr, TAC Chair
  - a. Approval of the minutes from November 4, 2019 meeting with some edits.
2. **Business before the Committee**
  - **Flyer: 2019-2020 World Languages & Dual Language Adoption (Daryl)** – We are finalizing the World Languages and Dual Languages instructional and digital materials adoption process. The first item that vendors need to demonstrate is that they meet our technical requirements. If they do not, we do not review their instructional materials at all. Reviewed the flyer that shows where stakeholders can view the materials that have been selected by the reviewers at four different locations.
  - **Answers to Action Items from Last Month: GPS, TAC within PDLC, Sub Committee Review (Dale)** –
    - GPS** - Students can have app on their phones as well as the parents to have updates on transportation. Do law enforcement agencies know that the software capability (GPS) to visualize the buses in real time? Not sure if there is any gain in law enforcement having access to the app because if you were to play it out, if there was an incident, the information (data) would probably be given to law enforcement. We will inform Chief Katz to make this information available in his updates.
    - TAC within PDLC** – PDLC is the project development life cycle which is how IT tracks the projects in the portfolio of IT. There is specifically an assessment, so before projects are officially initiated TAC will be identified on the front end of the life cycle. In the Design Phase which is organizational change management and from a RACI perspective, TAC will be informed. Last, when the project goes live, TAC will also be included as a communication point.
    - Sub-Committee Review** – Currently between the CIO and the Chair those committees are under review and we will table this issue until next month.
    - Textbooks** – why do students not have a textbook to take home in addition to the digital version? There is just not enough money to purchase two sets of books for each child. Instead, each classroom has a class set, each media center has a class set, and students can access the digital components from home. Accommodations are made for those students

who need to have a hard copy. Textbook coordinators at each school identify the number of students projected for the upcoming school year in each grade level and curriculum area.

Information is given to parents regarding how to gain access to Canvas via the Canvas Mobile App for digital resources. The link is:

[https://browardschools.instructure.com/courses/123/pages/parent-access-through-mobile-app?module\\_item\\_id=14225089](https://browardschools.instructure.com/courses/123/pages/parent-access-through-mobile-app?module_item_id=14225089).

The District has digital resources for ALL adopted instructional materials. Students can find their digitized textbooks by navigating to Canvas Help and then Student Textbooks link. Teachers can do the same thing by navigating to the Teacher Resources Link.

- **Device Refresh (Phil)** – Board item on 12/10 awarding a bid to the primary vendor (Lenovo) and secondary vendor (Dell) to begin the refresh program. The district had provided 1 laptop to every 6 students prior to the SMART Bond five years ago. Moving forward we will continue the 1 laptop to every 2.5 students that was accomplished through the bond. Individual schools can supplement this with additional student carts that can bring the ratio down to 1:1. This approach amplifies the ability of teachers to help students use online material to enhance teaching and learning.

We will be deploying about 47,000 devices per year prioritized by the tested grades. 11,000 laptops by mid-late January focused on those grade levels that are being tested. Existing inventory can be recycled but those students who are taking tests will be in the best position possible.

In parallel, we will be deploying devices to instructional staff. This will be delivered in the same four-year cadence as the student laptop.

Second vendor will come into play if the primary vendor is unable to provide the necessary devices to make the refresh successful. Therefore, we will have a primary vendor but in the event that primary vendor cannot complete our volume, then we can shift to the secondary vendor of the ITB.

**Question:**

1) Will each school get the same amount of equipment? No. Schools will be given laptops based on needs, enrollment in each school, to bring ratio of computer to student to 1:2.5.

2) For the staff, if you switch the spindle drives with SSDs you can get a device that is almost good as new. We will put this in the parking lot to see how your department (Facilities) does business.

- Draft Charge (Phil) – Tabled until next meeting
  - Bylaws Article 2 (Purpose) – See Exhibit 1 on page 2
  - Policy 5306.1 (purpose) – See Exhibit 2 on page 2

### 3. Upcoming Board Items

**December Items:**

- AV Catalog
- Device ITB
- Broward Radio Agreement
- Workforce SIS (not IT)
- PCG 4<sup>th</sup> Amendment (not IT)

**January Items:**

- Procurement – Electronic Surplus
- **WAN Long Term – (Vince)** – Problem we are solving – data usage is growing dramatically. The past five years our WAN has grown by 50%. This is about reliability of our system by changing the architecture of the network making our system more resilient. How do we sustain the district long term by building a network that we can afford while meeting the needs of the district? Conducted research (information highway and other large districts) and found that dark fiber networks can be e-ratable. If we went this route, then we would be able to build our WAN without using a private provider. E-rate allows us to pay 20 cents on the dollar.

**Four Requirements:** Reliability, Cost Containment, Scalable/Agile, Secure

**Cost projections:**

- 10-year total cost before e-rate = \$33,399,072.
- Current projected 10-year cost after e-rate = \$15,019,220.
- With the new solution (dark fiber network) 10 year cost after e-rate is \$7,975,022.

**10 – year goals:** Full business continuity, full mobility 1:1 and BYOD, Complete centralization of all systems on premises, cloud, or hybrid.

Identified number of sites requiring upgrade from current bandwidth – to sustain the current bandwidth what does the build need to look like?

This will be a ten-year agreement but we are building this for the next 20 – 30 years. Current contract is with AT&T and is short term (3-year contract with 2 one year renewals). In June 2022 the contract with AT&T will expire and it will take IT the two years to get the new contract in place.

4. Adjourn

Future Meetings and Dates for 2019-2020

Time 2:30pm – 4:00 pm

- January 13, 2020 – TSSC Annex- Lobby, Sunrise
- February 10, 2020 – BECON, Davie
- March 9, 2020 – BECON, Davie
- April 13, 2020 – BECON, Davie
- May 11, 2020 – BECON, Davie