



Install Network Electronics Infrastructure - Core Level

CFISD Project Manager: Frankie Jackson, Paula Ross, Oscar Villar

2.1 – Network Electronics (Data Centers 3 and 4)



A PARTNER FOR THE LIFE CYCLE OF YOUR DATA CENTER



Last week, Stewart Loftis, the lead network engineer from Presidio, led both CFISD and eVolve in a whiteboard workshop. The intent of the workshop was to define the steps that need to be completed prior to Presidio installing the new core routing infrastructure.

On June 2, 2015, Paula Ross, Anthony Melton, Anna Senties, Elizabeth Montes, and Frankie Jackson met with engineers from Presidio, EPS, and M&S Technologies to review the summer campus upgrade strategy at the high schools and hub locations. Stuart Loftis, the Presidio lead network engineer, mapped out the specifics and logistics of the plan. Click [here](#) to see a short video, describing how the upgrade will occur.



THE MESSAGE

The team also crafted a message for campuses so that campus staff will have more detailed information about the network refresh and potential down times.



As we continue to work and implement the network improvements in accordance with the 2014 Bond Technology Infrastructure schedule, a network refresh will occur over the summer. **This will be a controlled** network outage, during the time the upgrade occurs. Downtime will be minimized during the cutover period. We are expecting a 4 hour outage in the later part of the afternoon in the administrative areas on the Monday of your campus' scheduled network outage. Then throughout the week, the other parts of the campus may be down for up to two days. We have done our best to work around critical dates and summer school, however if you are aware of critical work to perform during the week of the campus' scheduled network upgrade, we recommend making arrangements to schedule around the cutover period. We apologize for the disruption but are thrilled with the new technology that will be available to staff and students. If you have questions or concerns, please contact Jennifer Miller at the Customer Care Center.



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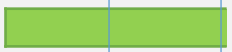


CFISD Project Manager: Oscar Villar
 Vendor Project Manager: Charles Newton/Eddie Monroe
 2.1.1 – Network Electronics (Data Centers 3 and 4)



Apr 20	Apr 27	May 4	May 11	May 18	May 25	Jun 1	Jun 8	Jun 15	Jun 22	Jun 29	Jul 6	Jul 13	Jul 20	Jul 27	Aug 3	Aug 10
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Install Core Network Electronics at Data Center 3 (100%)



Apply Base Configuration Profile (100%)



Confirm Operation and Tune Configuration (100%)



Create Configuration for Remaining Equipment (25%)



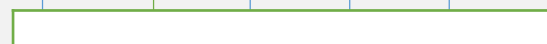
Install Core Network Electronics at Layer3 for Wireless Configuration (5%)



Install Core Network Electronics at Layer3 for Wireless Configuration (20%)



Install Core Network Electronics at Data Center 4 (5%)





Install Network Electronics Infrastructure - Core Level

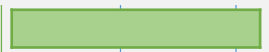


CFISD Project Manager: Oscar Villar
 Vendor Project Manager: Tim Ramsy/M&S Technologies
 2.1.2 – Install Firewalls (Data Centers 3 and 4)

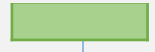


Apr 20	Apr 27	May 4	May 11	May 18	May 25	Jun 1	Jun 8	Jun 15	Jun 22	Jun 29	Jul 6	Jul 13	Jul 20	Jul 27	Aug 3	Aug 10
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Conduct Detailed Design (100%)



Configure FortiAuthenticator Appliances in Data Center 3 (100%)



Install Fortigate Appliances in the Racks in Data Center 3 (100%)



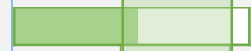
Configure Fortigate Appliances and connect to the Network (100%)



Install root certificates in Data Center 3 edge firewalls and test (85%)



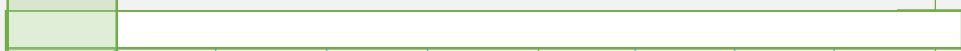
Move to Internet Production to New Firewall Cluster (95%)



Configure Firewalls for Data Center 3 (0%)



Move to Internet Production to New Firewall Cluster (0%)





Install Network Electronics Infrastructure - Core Level



CFISD Project Manager: Oscar Villar
Vendor Project Manager: Dave Kapavik
2.1.3 – Enterprise Wireless



Apr 20	Apr 27	May 4	May 11	May 18	May 25	Jun 1	Jun 8	Jun 15	Jun 22	Jun 29	Jul 6	Jul 13	Jul 20	Jul 27	Aug 3	Aug 10
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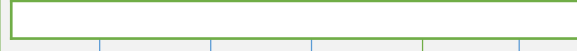
Configure the Aruba Core Wireless Infrastructure in the Layer3 Lab Facility (85%)



Rack/Install the Aruba Core Wireless Infrastructure in the Layer3 Lab Facility (85%)



Rack/Install the Aruba Core Wireless Infrastructure at Data Center 4 (0%)





Install Network Electronics Infrastructure - Core Level



CFISD Project Manager: Oscar Villar
Vendor Project Manager:



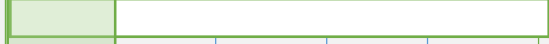
2.1.4 – Internet Dynamic Host Configuration Protocol

Apr 20	Apr 27	May 4	May 11	May 18	May 25	Jun 1	Jun 8	Jun 15	Jun 22	Jun 29	Jul 6	Jul 13	Jul 20	Jul 27	Aug 3	Aug 10
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Conduct Planning Meeting with Solid Border (100%)



Install BlueCat Appliances at Data Center 3



Install BlueCat Appliances at Data Center 4





Install Network Electronics Infrastructure - Core Level



CFISD Project Manager: Greg Rhodes
 Vendor Project Manager:



2.1.5 – Connect to External CoLocation Facility

Apr 13	Apr 27	May 4	May 11	May 18	May 25	Jun 1	Jun 8	Jun 15	Jun 22	Jun 29	Jul 6	Jul 13	Jul 20	Jul 27	Aug 3	Aug 10
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Conduct Planning Meeting at CyrusOne (100%)



Setup Space, Power, Ramp, and Cage at CyrusOne (100%)



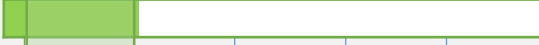
Acquire Keys at CyrusOne (100%)



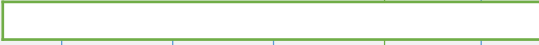
Submit Change Order for Inter-Facility Cabling (100%)



Install Racks and Cabling System (5%)



Connect to Phonoscope





Install Network Electronics Infrastructure - Core Level



CFISD Project Manager: Greg Rhodes
 Vendor Project Manager:
 2.1.6 – Upgrade Data Centers

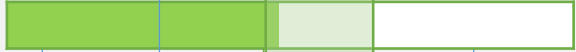


Apr 20	Apr 27	May 4	May 11	May 18	May 25	Jun 1	Jun 8	Jun 15	Jun 22	Jun 29	Jul 6	Jul 13	Jul 20	Jul 27	Aug 3	Aug 10
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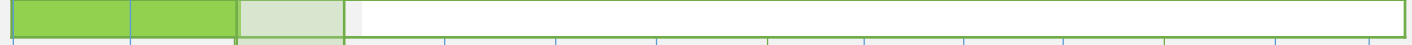
Raise, Repair, and Replace Flooring (35%)



Begin Fire Suppression Scope (5%)



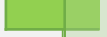
Install Electrical Scope (35%)



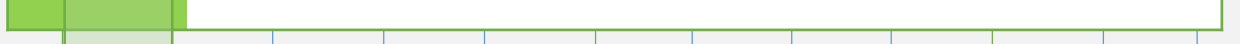
Demolish Ceiling (100%)



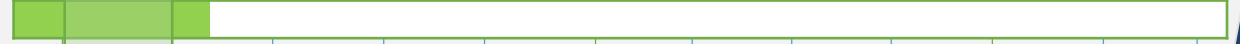
Install New Network Cabinets' (100%)



Install Mechanical Scope (40%)



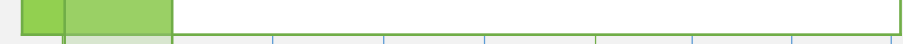
Install UPS' (35%)



Install AC Units (40%)



Install Plumbing' (20%)





Install Network Electronics Infrastructure - Core Level



CFISD Project Manager: Oscar Villar
 Vendor Project Manager: David Caddle
 2.1.7 – Fiber Connectivity



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Conduct Planning Meeting with Phonoscope (100%)



Connect Fiber Between Data Centers (100%)



Connect HUBS – CyLakes and CyWoods



Connect HUBS – CyRidge, Bleyl and Berry



Connect HUB – Dean

Connect Wavelength Between Data Centers





Install Network Electronics Infrastructure - Core Level



CFISD Project Manager: Oscar Villar
 Vendor Project Manager: Michael Westbrooks
 2.1.8 – UPS Installation and Distribution



Apr 20	Apr 27	May 4	May 11	May 18	May 25	Jun 1	Jun 8	Jun 15	Jun 22	Jun 29	Jul 6	Jul 13	Jul 20	Jul 27	Aug 3	Aug 10
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Conduct Planning Meeting with SolidIT Network Project Managers (100%)



Conduct Technical Analysis, Prepare Pos, and Badge Staff









Install UPS' Following the Summer Network Installation Schedule





Install Network Electronics Infrastructure HUB Level

CFISD Project Manager: Paula Ross

2015 June 15, 2015		June 22, 2015		July 6, 2015	
<p>CyLakes</p>	<p>CyWoods</p>				
 <p>3. Cy-Lakes HUB</p>	 <p>1. Cy-Woods HUB</p>	<p>Dean</p>	<p>Berry</p>		
		 <p>6. Dean HUB</p>	 <p>2. Berry Center HUB</p>		
				<p>CyRidge</p>	<p>Bleyl</p>
				 <p>4. Cy-Ridge HUB</p>	 <p>5. Bleyl HUB</p>



Install Network Electronics Infrastructure Campus Level – Secondary Campuses

CFISD Project Managers: Thomas Hollister, Anna Senties, and Elizabeth Montes

2015
June 15, 2015 June 22, 2015 July 2015

CyLakes

CyWoods

Dean

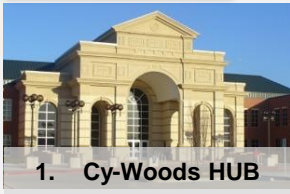
CyRidge

Berry

Bleyl



3. Cy-Lakes HUB



1. Cy-Woods HUB



6. Dean HUB



4. Cy-Ridge HUB



2. Berry Center HUB



5. Bleyl HUB

- 1. Cy-Woods HUB**
- Cy-Woods HS – 6/18/2015
 - Carlton Center – 6/18/2015
 - Cy-Ranch HS – 7/13/2015
 - Spillane MS – 8/3/2015
 - Smith MS – 9/13/2015
 - Goodson MS – 9/11/2015
 - Hamilton MS – 9/20/2015
 - Salyards MS – 9/20/2015

- 2. Berry Ctr Hub**
- Cy-Fair HS – 6/22/2015
 - Langham Creek HS – 7/20/2015
 - Anthony MS – 9/18/2015
 - Aragon MS – 9/27/2015
 - Arnold MS – 9/27/2015
 - Truitt MS – 10/4/2015

- 3. Cy-Lakes Hub**
- Cy-Lakes HS – 6/15/2015
 - Cy-Springs HS – 7/27/2015
 - Hopper MS – 8/13/2015
 - Kahla MS – 8/30/2015
 - ALC West – 9/25/2015
 - Thornton MS – 10/4/2015
 - Watkins MS – 10/11/2015

- 6. Dean Hub**
- Dean MS – 6/27/2015
 - Jersey Village HS – 7/27/2015
 - Cook MS – 8/28/2015

- 4. Cy-Ridge Hub**
- Cy-Ridge HS – 7/9/2015
 - Cy-Falls HS – 8/3/2015
 - Labay MS – 10/9/2015

- 5. Bleyl Hub**
- Bleyl MS – 7/6/2015
 - Cy-Creek HS – 7/13/2015
 - Windfern HS – 7/20/2015
 - ALC East – 8/10/2015
 - Campbell MS – 10/2/2015

Install Network Electronics Infrastructure Campus Level – Elementary and Other Campuses

CFISD Project Managers: Thomas Hollister, Anna Senties, and Elizabeth Montes

2015 Sep	Oct		Nov	Dec	
CyLakes	CyWoods	Dean	CyRidge	Berry	Bleyl
					
3. Cy-Lakes HUB	1. Cy-Woods HUB	6. Dean HUB	4. Cy-Ridge HUB	2. Berry Center HUB	5. Bleyl HUB
1. Cy-Woods HUB	2. Berry Ctr Hub	3. Cy-Lakes Hub	6. Dean Hub	4. Cy-Ridge Hub	5. Bleyl Hub
Black ES	Postma ES	Andre ES	Lee ES	Danish ES	Francone ES
Warner ES	Birkes ES	Duryea ES	Bane ES	Adam ES	Hancock ES
Keith ES	Copeland ES	McFee ES	Kirk ES	Willbern ES	Matzke ES
Farney ES	Lamkin ES	Robinson ES	Bang ES	Emmott ES	Yeager ES
Robison ES	Holmsley ES	Metcalf ES	Frazier ES	Fiest ES	Pridgeon Stadium
Hamilton ES	Horne ES	Emery ES	Gleason ES	Hairgrove ES	Falcon Annex
Sampson ES	Millsap ES	Hemmenway ES	Holbrook ES	Lowery ES	Falcon Transp
Ault ES	Rennell ES	Jowell ES	Pope ES	Owens ES	Windfern Annex
Moore ES	Police Station	Lieder ES	Post ES	Telge Ag Barn	Maintenance Ctr
Swenke ES	Telge Transp.	Sheridan ES	Reed ES	Eldridge Transp.	
Chiller Plant	Science Resource Ctr	Tipps ES	Food Ser	Eldridge Ag	
	Berry Center	Walker ES	Warehouse	ELC Smokey Trail	
	Cy-Fair Annex	Wilson ES	Food Production Ctr		
	Barker Transportation				
	Exhibit Center				