

# IT Services

## Projects Update

DPAC – November 20, 2017

# A bit of history....

|                       | 2005  | 2011  | 2017  |
|-----------------------|---|---|---|
| Device/Hardware       | <ul style="list-style-type: none"> <li>2000 workstations</li> </ul>   | <ul style="list-style-type: none"> <li>3500 workstations</li> <li>150 Multi-function devices</li> </ul>   | <ul style="list-style-type: none"> <li>8000 workstations</li> <li>Significant increase in mobile technology</li> <li>VOIP Telecom</li> </ul>  |
| Applications/Software | <ul style="list-style-type: none"> <li>Client/Server</li> <li>GroupWise</li> </ul>  | <ul style="list-style-type: none"> <li>Client/Server</li> <li>GroupWise</li> </ul>  | <ul style="list-style-type: none"> <li>Cloud/Hosted solutions</li> <li>Outlook/Exchange</li> <li>District licensing</li> </ul>  |
| Network Services      | <ul style="list-style-type: none"> <li>PLNet</li> <li>"hotspot" wireless</li> <li>Server closets</li> <li>onsite</li> <li>Novell Netware</li> </ul> | <ul style="list-style-type: none"> <li>PLNet</li> <li>400 AP throughout district</li> <li>Server closets</li> <li>onsite</li> <li>Novell Netware</li> </ul> | <ul style="list-style-type: none"> <li>NGN</li> <li>1265 AP with 802.11ac standards</li> <li>Wave 2 - 300 series devices deploying</li> <li>District Data Centre</li> <li>Remote/offsite backup</li> <li>MS Active Directory</li> </ul> |

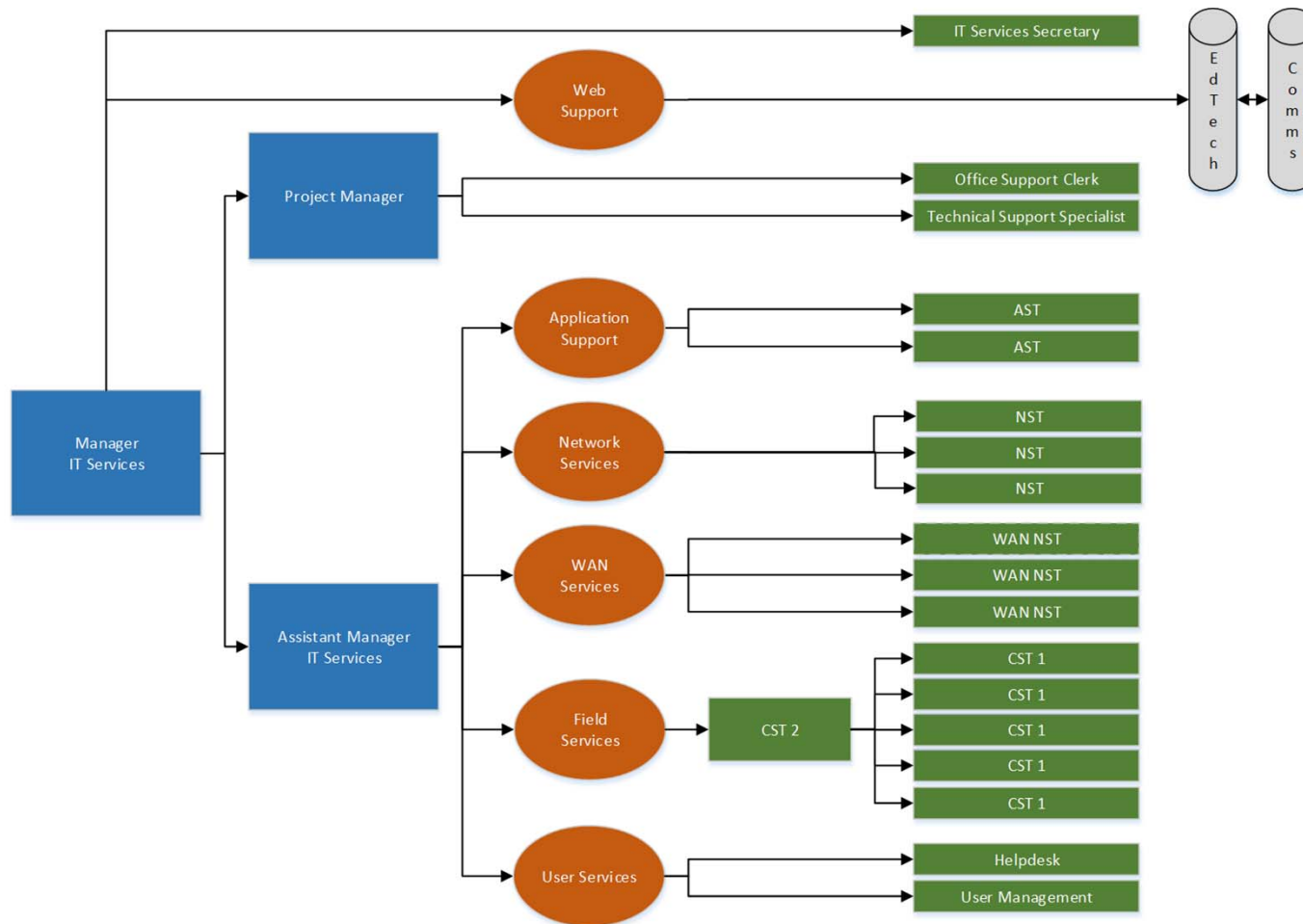
# Timeframe & Considerations

- Work completed in July and August, represents 43 working days
- Summer activities contained to projects deemed highly disruptive
- Other less disruptive projects continue throughout the balance of the school year.

# IT Projects

- Hardware
- Data Centre / Server
- Software / Applications
- Network / Connectivity
- Infrastructure
- Other

# IT Services Organization



# Hardware Projects

- New and Reconfigured Lab Spaces
  - Cameron, Forest Grove, South Slope, Moscrop VPA
- Elementary Computer Refresh
  - Completed in July with over 1000 computers replaced

# Data Centre / Server Projects

- Data Centre Consolidation
  - All core services now reside in the DC
  - Secure, resilient, controlled environment
- Server Cleaning and Patching
  - Cleaning to extending their useable lifespan
  - Patching to ensure optimal functionality and reduce the potential to vulnerabilities

# Software / Application Projects

- AutoCAD
  - New AutoCAD products image available for secondary schools
- Library Programs
  - Destiny Library software upgraded to most current version
- ELL Database
  - Booking and testing database software updated with improved functionality



# Software / Application Projects

- WebTMA Upgrade
  - Used by Facilities and IT Services to manage service requests and to create and track work orders
  - Latest version allows for incorporation of a mobile application
- Laserfiche
  - Burnaby Online Registration Process
  - *HR, Health & Safety, Summer Session*

# Network / Connectivity Projects

- Wireless Upgrade
  - 1265 access points, 101km of cabling, captive portal, BYOeD, pure guest
- Network Segmentation
  - Multiple VLANs in place to increase security and group network traffic
- WiFi Review
  - Pro-active on-going review to improve both signal strength and wireless density

# Network / Connectivity Projects

- BYOeD
  - “Bring Your Own *educational* Device”
  - Available to all staff and students with a valid network account
  - No direct IT support required
- NGN Connectivity Upgrades
  - 31 sites received upgrades
  - Elementary: 30 to 50Mbps on average
  - Secondary: 200 to 300Mbps on average

# Infrastructure Projects

- Portable Classrooms
  - Data, wireless, and phone connectivity, and equipment deployment to new portables
- PA Systems
  - Strategic updating of PA systems
  - A multi-year project

# Infrastructure Projects

- Seismic Project Support
  - On-going support for the Montecito and Alpha projects
- VoIP Project
  - “Voice over Internet Protocol” telephone system
  - A multi-year project
  - All sites upgraded to new system

# Other Projects

- Website Updates
  - Security enhancements to web environments
  - Functionality improvements to district staff portal
- Summer Session Support
  - User access, equipment needs, e-Exams

Thank you

SD41 Information Technology Services

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