

SPECIFIC TECHNOLOGY STANDARDS

Definitions

Experimental – These are systems and software that are typically not ready for mainstream consumption within the Division. Some of these systems may be deployed for testing and evaluation in production environments to determine their suitability for use.

Legacy – Typically these are systems and software that are no longer being upgraded, but are still supported for their specific roles in the computing environment. They will be maintained, but no future plans are in place to upgrade either the hardware or software on these systems. Legacy items might be replaced by similar items if there are no other more cost-effective solutions available in the tactical or strategic categories. However, legacy items should be moved to strategic platforms as cost and business practices exist.

Not supported – Any system or software in this category will not be supported by Technology Services or any other service or support organization. It should not be on the Division's network, and should be recycled.

Obsolete – This equipment and software has outlived its useful life span in the division. It will not be repaired or replaced by a similar system. The only path is either to move to a tactical (only if necessary), or preferably, a strategic platform. This equipment and software is one cycle away from not-supported status.

Strategic – The Division's technology direction and standard. All new purchases should consider the strategic platform as the preferred solution. Typically, the strategic direction is the most practical, multipurpose, scalable, cost effective solution.

Tactical – These systems and software are production platforms that are no longer the strategic computing direction, yet serve very useful and practical roles in the current computing environment. Tactical systems and software will be maintained, replaced, and, where it is not cost effective or reasonable to move to the strategic platform, new systems and software may be purchased.

Technology Standards

1. Server Operating Systems
 - 1.1. Strategic – Windows Server 2019, 2022

- 1.2. Tactical - Windows Server 2016
 - 1.3. Obsolete - Windows 2000 Server, Windows Server 2003, Windows Server 2008, Windows 2008 Server R2, Windows Server 2012
 - 1.4. Not Supported - All Other Server Operating Systems.
2. Server Software
 - 2.1. The Director of Technology Services will determine software specifications. Division procedures must be followed regarding the procurement and purchase of software.
3. Computer Operating Systems
 - 3.1. Strategic - Windows 11, Google Chrome OS on Chromebooks.
 - 3.2. Tactical – Windows 10
 - 3.3. Obsolete - Windows XP.
 - 3.4. Not Supported - All Other Desktop OS's.
4. Desktop Applications
 - 4.1. As cloud-based applications become the norm, the use of desktop software has been minimized. Desktop software may be installed once it has been tested and approved for PRSDnet by the Director of Technology Services or designate. Division procedures must be followed regarding the procurement and purchase of software.
5. Cloud Applications
 - 5.1. The procurement of cloud applications is guided by AP-141.
6. Division Infrastructure Servers
 - 6.1. The Director of Technology Services will determine what server specifications are appropriate when purchasing new servers to run centralized and shared services. Division procedures must be followed regarding the procurement and purchase of equipment. The following must be included in any new infrastructure server:
 - 6.1.1. Current Intel server class processor and chipset with virtualization support.
 - 6.1.2. Redundant data storage.
 - 6.1.3. All components must be listed in the hardware section of the Windows catalogue.
 - 6.1.4. Redundant power supply.
7. Basic Network Computer
 - 7.1. The following specifications represent the minimum specification for any new Windows computer purchased for PRSDnet. (Speciality systems specified on request by the Director of Technology Services.)

- 7.1.1. Intel-based vendor-manufactured motherboards with minimum 1 PCI Express slot.
- 7.1.2. Newest generation of Intel Core i3 Processor.
- 7.1.3. 8GB minimum RAM.
- 7.1.4. 256+ GB, SSD Hard Drive.
- 7.1.5. One (1) year warranty.

8. Chromebooks

8.1. The following specifications represent the minimum specification for any new Chromebook purchased for PRSDnet.

- 8.1.1. 8GB RAM.
- 8.1.2. Touch screen
- 8.1.3. One (1) year warranty.

9. Tablet Computing Devices

- 9.1. Strategic - Touchscreen Chromebooks, Android Tablets
- 9.2. Tactical – iPads

10. Division School Websites

10.1. The Division has purchased a unified solution for Division and school websites from Rally. All principals must use the provided solution for their school websites.

10.2.

Requirement	Details
School Contact Information	Phone FAX Mailing Address Street Address School Email Address
Administrative Contact Information	Principals Name and Email Address Vice-Principals Name and Email Address
Teacher Contact Information	Teachers Name Subjects and Grades Email Address
Up to Date Calendar of Events	May link to divisional calendar if events are submitted to it. May provide own calendar Exam Schedule
Annual Report	PDF Copy available for

	download
School Budget	PDF Copy available for download
Other Documents Mandated by PRSD	Ability to quickly put up additional documents
Link to PRSD Webpage	Dedicated link automatically inserted on all school websites

11. Voice Over IP Phone Systems

- 11.1. VOIP management hardware must be Cisco Call Manager and Microsoft Unified Messaging.
- 11.2. Phones supported include Cisco 7941, 7945, 8845, 8865 and 9951

12. Network Infrastructure

- 12.1. Ubiquiti network equipment will generally be used for wired, wireless networks, and door access. The Director of Technology Services will determine specifications.
- 12.2. Axis network cameras with specifications determined by the Director of Technology Services.

Adopted/Revised: JUN 2016/JUN 2017/NOV 2019/JUL 2021/NOV 2022/JUN 2023

Reference: Section 52, 53, 196, 197, 222 Education Act
I.T.I.L. Standards, Alberta Education