Williamson County Public Safety Technology Program
Hardware & Software Requirements

Document Version and Updates

Document Version

Version 1.0   April 2011

Previous Versions

None.

Latest Version

Please check for the latest version of this document at: http://sharepoint/pstp/ (you must be using NetMotion or on the County's network to access this resource) or by contacting the County's Technology Services department.

Mobile computers (Mobile Data and Field Based-Reporting)

There are two categories of computers that may be used with the mobile data software. The "Recommended" configurations are Panasonic Toughbooks. The County recognizes that other models of computers are in use, so a variety of other models may be used, but they must meet the minimum required specifications.

Recommended Computers

Configuration	Option 1	Option 2
Manufacturer:	Panasonic	Panasonic
Product Line:	Toughbook	Toughbook
Model:	CF-30	CF-31

Other Computers

Computers other than the recommended model(s) may be used. The below table is provided by SunGard and intended to show specifications that have optimum performance and should be followed when procuring new equipment. Computers with lower specifications will still run the software, however, but may see reductions in performance. In addition, for Mobile Computers, a touchscreen interface and daylight readable screen is highly recommended.

Client Workstation/Mobile Minimum Requirements

OSSI Application	CAD	RMS	MCT/MFR (Mobile)
Processor:	2GHz Multi-Core	2GHz Multi-Core	2GHz Multi-Core
Memory (RAM):	2 GB	1 GB	1 GB
Storage:	20 GB	10 GB	10 GB
Video Resolution:	1024x768	1024x768	1024x768

Standard Mobile Configuration

Each agency must define a "Standard" configuration for their agency. This means one computer configuration with the same operating system, hardware drivers, and user software. This standard will ideally be the configuration used by all of the mobile computers used by an agency.

There are different support structures from Williamson County Technology Services for the defined standard configuration and "non-standard" computers. These can be found on the document "Technology Services Support for Agencies".

Desktop computers

The County does not have a recommended model for desktop computers. As long as the computer meets the minimum specifications below (and other requirements in this document) may be used.

Client Workstation/Mobile Minimum Requirements

OSSI Application	CAD	RMS	MCT/MFR (Mobile)
Processor:	2GHz Multi-Core	2GHz Multi-Core	2GHz Multi-Core
Memory (RAM):	2 GB	1 GB	1 GB
Storage:	20 GB	10 GB	10 GB
Video Resolution:	1024x768	1024x768	1024x768

GPS/AVL Devices

Williamson County will provide a basic GPS unit to agencies that will be using mobile data. Hardware support and maintenance, as well as replacements with the same make and model are the responsibility of the agency.

Approved Devices

Provided by Williamson County
GlobalSat BU-353. USB connectivity to PC or dock and tape or velcro mounted on dashboard.

GPS Devices – purchased by Agency
Utility Associates Rocket. Mounted in vehicle and wired to vehicle power. May come with or without Locker to protect unit. WiFi or wired connection to mobile computer.

Antivirus Software
Williamson County currently allows all antivirus software packages fully supported by NetMotion Mobility. That said, the County has standardized on Symantec Endpoint Protection 11.0, and encourages that other agencies do the same.

A complete list of supported software can be found at:
http://www.netmotionwireless.com/support/docs/MobilityXE/920/help/wwhelp/wwhimpl/common/html/wwhelp.htm#href=nac.08.08.html&single=true

Virus definitions must be current to the latest version that is available, and the antivirus program version must be listed and supported by NetMotion in the guide above. The definitions must be kept current throughout the time when PSTP software is installed.

Antivirus software must be installed on all desktop and laptop PCs that interact with PSTP systems. Without software and current definitions, PSTP software will not be able to be installed by County staff.

Cellular Data Connections
An agency may use whatever aircard vendor they choose, but the County strongly recommends the use of Verizon 3G aircards, as they are known to be compatible. Specifically, the USB aircard model USB760 has been selected by County departments.

Connection to Williamson County Network
Connections to the County's network from the Agency network or the internet will be managed with VPN software provided by Williamson County. NetMotion, the VPN software, will be used by all computers (mobile and desktop) that need to access County resources. This software provides 256-bit encryption that is FIPS certified and is compatible with CJIS requirements.

This software will be installed by Williamson County, and will require individual user logins to the County's network. No generic users will be created unless special arrangements have been made.

The connection used to connect to the internet either from the agency office or mobile computer is the responsibility of the agency. The bandwidth may be anything greater than a cellular data connection (DSL, cable modem, T1, etc. are all supported). The speed of the connection may affect performance, and will dependent of the agency's requirements.

Operating Systems

Supported Operating Systems

This operating system information applies to both the mobile and desktop configurations. These will be suitable for accessing any PSTP system.

Configuration	Option 1	Option 2
Operating System:	Windows XP	Windows 7
Edition:	Professional	Business or Ultimate
Version:	32-bit or 64-bit	32-bit or 64-bit
Service Pack:	SP3*	None or SP1

* Windows XP SP3 is required per DPS for TLETS access. SP2 may be used if needed, but is not recommended by the County or Microsoft.

Updates

Service packs, patches and regular security updates should be done by the agency on a regular schedule, unless any issues are noted with PSTP systems by Williamson County Technology Services or the agency.

PSTP Software

The software used as part of the PSTP is all licensed software that must be kept track of accurately due to the limited number of licenses available. This will be the responsibility of Williamson County and will not be serviceable by the agency in any way. Copying or modification of PSTP software is prohibited.

When a laptop or desktop is no longer in use, the PSTP software must be destroyed by the agency or Williamson County. In either case, the County must be notified as quickly as possible in order to disable the access for that device.

Asset Tagging

All hardware that is involved as part of the PSTP will be assigned a "P number" asset tag by Williamson County Technology Services. This is only used for internal tracking purposes. This tag will be scanned at the time of service or with any changes such as updates or software changes.