

# DESKTOP COMPUTING UPGRADES FOR WINDOWS 10 MIGRATION

## EXPERIMENTAL NUCLEAR PHYSICS DIVISION

### OVERVIEW

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#### Overview

In January 2020 the Windows 7 operating system will no longer be supported by Microsoft and will no longer receive security patches. DOE requirements and Jefferson Lab policy dictate that all operating systems used at Jefferson Lab must receive regular security updates. As a result, all systems currently using Windows 7 must be either upgraded, replaced or eliminated by January 2020.

Based on reporting from the CNI department, the Experimental Nuclear Physics Division has 127 personal computers that are currently using Windows 7. Of those, CNI believes that 55 of these can support a Windows 10 installation with no modifications, and 72 cannot support the operating system and will need to be replaced or eliminated.

After contacting Physics staff who are the custodians of these machines, we have completed an assessment and determined which machines can be disposed of, which will be upgraded and which must be replaced.

### ASSESSMENT RESULTS

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#### Disposal

The following 30 systems are no longer in common use and will be disposed of prior to the end of the Windows 10 upgrade period. The Physics Division incurs no cost from the disposal of these machines.

<i>Custodian</i>	<i>System</i>	<i>Property Tag</i>
Andrew Kenyon	KENYONLPT	F424482
Bogdan Wojtsekhowski	shahinyalt	F425933
Brad Sawatzky	SKYLLA7	F426823
Chris Carlin	POLTARHB4	F426202
Chris Cuevas	MOBILECAVE	F418519
Chuck Long	LOBO2	F423721
Cody Dickover	sandovalpc2	F425915
Dave Mack	mack1hallc	F423676
Denny Insley	DINSLEY	F423596
Denwood Insley	TILLESDESKTOP	F425999
Denwood Insley	TILLES-LPT	F426847
George Jacobs	hb-win-gasshed	F425348
Greg Smith	SMITHGPC	F425768
Heidi Fansler	HALLAGENERAL	F425504
Heidi Fansler	HALLASC1	F426236
Heidi Fansler	HALLATECH	F425314
Jack Segal	HACWEB3	F424006
Jack Segal	HACWEB6	F424007
Jack Segal	segal3	F424033
Jack Segal	SEGAL7	F425652

## Desktop Computing Upgrades for Windows 10 Migration

Jessie Butler	HSMITH	F425093
Jian-Ping Chen	spin	F423777
Mark Jones	JONES-PC	F425918
Mark Stevens	CARSTENS-LAPTOP	F424315
Mark Taylor	taylorwlp	F427100
Peter Bonneau	prbw7pc1	F425025
Stepan Stepanyan	MEYERSPC	F425872
Steven Lassiter	CONTROLS7	F423533
Xiangdong Wei	LAINPC	F424412
Youri Sharabian	YOURIPC	F425030

### Legacy Support Systems

The following 8 systems are being used to support legacy software that is not available on the Windows 10 platform. Therefore, these machines will be disconnected from the network (*or otherwise sequestered*) and will continue to be used for legacy systems.

<i>Custodian</i>	<i>System</i>	<i>Property Tag</i>
Chris Cuevas	FEGTEST2	F424084
Chris Cuevas	FEGTEST4	F424348
Ed Jastrzembski	EJ_LAPTOP	F426203
Fernando Barbosa	BARBOSAPC2	F425830
Hai Dong	HAILAPTOP2	F427065
Hai Dong	HAIPC2	F426390
Jeff Wilson	WILSON-LPT	F426062
William Gu	GU-LAPTOP	F425641

### Systems That Will Be Upgraded

The following 53 systems have hardware that is capable of being upgraded to Windows 10. These upgrades are being coordinated through, and performed by, Computer Center staff at no cost to the Physics Division.

<i>Custodian</i>	<i>System</i>	<i>Property Tag</i>
Alexandre Camsonne	ws4800	F427425
Amanda Hoebel	dsgcontrols1	F427584
Armen Stepanyan	ARMENCMP	F427360
Bob Miller	christo4	F426627
Brian Eng	hb-win-eel231	F427670
Carl Zorn	zornpc2	F427627
Chris Cuevas	CUEVASPC	F427942
Christopher Keith	CKEITH-PC	F427209
Denwood Insley	HALLBTECH	F426539
George Jacobs	JACOBSG-PC	F427544
Greg Smith	RIVENDELL	F427936
Heidi Fansler	halla-lpt3	F427416
Jerry Nines	ENPJNINES1	F426811

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Jerry Nines	ENPJNINES2	F426812
Joe Beaufait	FED3	F426767
Lorelei Carlson	LORELEI-PC	F426929
Marc McMullen	dsgcomp4	F427941
Mark Hoegerl	HOEGERLPC	F426817
Mark Stevens	STEVENSMLPT	F427185
Mark Stevens	STEVENSPC	F426636
Mark Taylor	taylorwpc	F427406
Maurizio Ungaro	PROCU2-LPT	F426993
Michael Lowry	HDICECNTRM	F427051
Michael Lowry	hdturtle	F427216
Mike Fowler	CCONT02	F426667
Morgan Cook IV	mcook-lpt	F427669
Nicholas Sandoval	halldsc6	F426189
Nicholas Sandoval	sandovallap	F427569
Peter Bonneau	HALLDSC9	F427211
Peter Bonneau	prbwin7pc4	F427543
Peter Bonneau	prbwinpc10	F427233
Renuka Rajput-Ghoshal	RENUKALPT	F426771
Rolf Ent	FAFNIR	F426757
Ruben Fair	FAIRLPT	F426663
Tyler Lemon	dsg-hallc-2	F427582
Tyler Lemon	tlemonpc1	F427682
Xiangdong Wei	hdicepc3	F426573
Xiangdong Wei	xwei-pc	F426426
Brian Kross	KROSS8	F427638
Charles Perdrisat	dellcfp08	
Hovanes Egiyan	halldsc7	F426210
Ed Jastrzembski	JASTRZEM-LPT	F426763
Jack McKisson	DET-QUAD2	F426824
Jian-Ping Chen	POLHE3-2	F426760
John McKisson	DAQ-GENERAL	F427361
Lubomir Pentchev	hdbook1	F426642
Mindy Leffel	DSGCOMP3	F427940
Pablo Campero Rojas	dsgplc1	F427699
Probir Ghoshal	clas12magnetpc	F426674
Scot Spiegel	SPIEGELPC2	F423775
Silviu Covrig Dusa	CFDFAC9	F427681
Silviu Covrig Dusa	COVRIGPC	F426541
Vina Punjabi	CFPDELL6	

## Desktop Computing Upgrades for Windows 10 Migration

### Systems That Will Be Replaced

The following 30 systems are still in active use, but have hardware that is incompatible with the Windows 10 upgrade. They will need to be replaced at the expense of the Physics Division. In each case, a machine with an appropriate performance level for the work being performed has been recommended.

Note that some of these machines have mission specific applications within the group, and are therefore listed as using group funding rather than Physics Division Administrative funding.

**The total cost of replacing all administratively funded systems is \$32,500.**

<i>Custodian</i>	<i>System</i>	<i>Property Tag</i>	<i>Replacement Type</i>	<i>Cost</i>
Chris Carlin	POLTARHB5	F427122	Intermediate	\$1,400
Chris Carlin	POLTARTS	F424266	Custom Server	(Target Group)
Chris Stanislav	stanislav	F425554	Intermediate	\$1,400
David Griffith	DLGDT	F425766	Standard	\$1,000
Fernando Barbosa	barbosa-laptop	F422975	Laptop	\$2,100
Gary Dezern	DEZERNPC	F424571	Standard	\$1,000
Larry Cardman	zena_3	F426983	Laptop	\$2,100
Jeff Wilson	JWPC2-1	F424550	Intermediate	\$1,400
Jessie Butler	ASTAFF2	F425925	Intermediate	\$1,400
Jessie Butler	HALLAGENERAL3	F425479	Intermediate	\$1,400
Jodi Patient	PATIENTPC	F425882	Standard	\$1,000
Larry Carraway	HALLCFLOORPC	F426195	Standard	\$1,000
Linda Ceraul	BENNETTPC	F422815	Standard	(Complete)
Lorelei Carlson	KMINGAPC	F427120	Standard	\$1,000
Marc McMullen	teacheylpt	F426035	Laptop	\$2,100
Michael Lowry	hdiceexp	F427050	Custom Server	(HD Ice)
Michael Lowry	jasondp	F422824	Developer	\$2,400
Mike Fowler	fowlerpc	F426200	Intermediate	\$1,400
Peter Bonneau	AMRITWIN7PC2	F425787	Standard	\$1,000
Robert Bunton	carstens-pc	F424549	Standard	\$1,000
Seung Joon Lee	SJLEELPT	F425644	Standard	\$1,000
Walt Akers	QUIXOTE	F424577	Intermediate	\$1,400
Walter Kellner	KELLNERPC	F426094	Standard	\$1,000
Andy Sandorfi	cbass-pc	F425532	Custom Server	(HD Ice)
Dave Gaskell	SPIRICOMPT	F425620	Laptop	(Exchanged)
Alexander Somov	SOMOV-LPT	F425837	Standard	\$1,000
Andrew Lumanog	HALLAGENERAL2	F425478	Standard	\$1,000
Keith Blackburn	phycad19	F422941	Standard	\$1,000
Paul Hood	TINKER	F425765	Standard	\$1,000
Josh Foyles	FOYLESW7	F416902	Standard	\$1,000

### Unresolved Systems

The following 3 systems have not been resolved and may need to be replaced prior to the end of the Windows 10 upgrade period.

## Desktop Computing Upgrades for Windows 10 Migration

<i>Custodian</i>	<i>System</i>	<i>Property Tag</i>
Eugene Chudakov	fel_hplaptop3	F426007
John McKisson	siqm-pc	F427039
Mark Stevens	CARSTENSD1	F426164

### Revisions

July 26, 2019                      The document was updated to reflect that Yuri Sharabian's desktop computer would no longer be replaced, but would be disposed of. This lowered the total cost of system replacements from \$33,500 to \$32,500.

### Contact

For additional information please contact Walt Akers

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