



Amendment Approval Form

Contract Between:

Northrop Grumman Systems Corporation
7575 Colshire Drive
McLean, VA 22102-7508

and

The Commonwealth of Virginia
11751 Meadowville Lane
Chester, VA 23836

Contract Number	VA-051114-NG
Amendment Number	115
Description of Contract Change – Provide a brief description of contract change	Adds Linux operating system type to Enhanced Server Operating System Security (ESOSS) Service.
Section(s) of CIA Referenced – Identify section(s) of CIA modified, including Attachments and Schedules	<ul style="list-style-type: none">• Addendum 1 to Appendix 13 to Schedule 3.3 (Other Services Technical Approach)

This is Amendment No. 115 to the Comprehensive Infrastructure Agreement between the Commonwealth and Vendor originally dated as of November 14, 2005 and as subsequently amended (hereinafter, "Amendment No. 115"). The Commonwealth and Vendor have agreed to modify the Comprehensive Infrastructure Agreement as set forth below. Except as expressly modified in Amendment No. 115, the terms and conditions of the Agreement shall remain in full force and effect. Capitalized terms used but not defined in Amendment No. 115 shall have the meanings assigned to them in the Agreement. Amendment No. 115 is effective as of November 30, 2014.

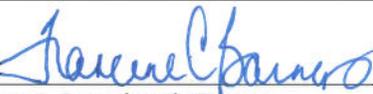
1. In Addendum 1 to Appendix 13 to Schedule 3.3 (Other Services Technical Approach), the "Minimum Server Requirements" tables are deleted in their entirety and replaced with the following tables.

"Minimum Server Requirements

Server Operating System Type: Windows (32-bit)		
Minimum Operating Systems Requirements	Minimum Hardware Requirements	Supported File Systems
<ul style="list-style-type: none"> - Windows NT4 with Service Pack 6a - Windows 2000 with Service Pack 4 Rollup 1 - Windows 2003 with Service Pack 1 (in standalone mode only) - Windows 2003 with Service Pack 2 (with ePO and in standalone mode) - Windows 2008 with Service Pack 1 - Windows 2008 with Service Pack 2 	<ul style="list-style-type: none"> - Single/Multiple Intel Pentium CPU - 512 MB RAM - 100 MB free disk space for installation on system volume - 100 MB free disk space on every volume that will be solidified - TCP/IP Protocol should be installed on the system 	<ul style="list-style-type: none"> - NTFS - FAT (FAT 32, FAT 16) - UDFS - CDFS (Only in update mode, solidification is not allowed) - CIFS Redirector
Server Operating System Type: Windows (64-bit)		
Minimum Operating Systems Requirements	Minimum Hardware Requirements	Supported File Systems
<ul style="list-style-type: none"> - Windows 2003 (x86-64/IA64/AMD64) with Service Pack 1 (in standalone mode only) or Service Pack 2 (with ePO and in standalone mode) - Windows 2003 (x86-64/IA64/AMD64) with Service Pack 2 (with ePO and in standalone mode) - Windows 2008 Server (x86-64/AMD64) with Service Pack 1 Windows 2003 R2 (x86-64/AMD64) - Windows 2008 Server (x86-64/AMD64) with Service Pack 2 Windows 2003 R2 (x86-64/AMD64) - Windows 2008 Server Core (x86-64/AMD64) with Service Pack 1 - Windows Server 2008 R2 Service Pack 1 (x86-64/AMD64) 	<ul style="list-style-type: none"> - Processor supporting x86-64/IA64/AMD64 architecture - 2 GB RAM - 100 MB free disk space for installation on system volume - 100 MB free disk space on every volume that will be solidified - CP/IP Protocol should be installed on the system 	<ul style="list-style-type: none"> - NTFS - FAT (FAT 32, FAT 16) - UDFS - CDFS (Only in update mode, solidification is not allowed) - IFS Redirector
Server Operating System Type: Linux (32-bit)		
Minimum Operating Systems Requirements	Minimum Hardware Requirements	Supported File Systems

<ul style="list-style-type: none"> - RHEL 5 - RHEL 6 - CentOS 5 - CentOS 6 - OL 5 - OL 6 - SLES 10 - SLES 11 - SLED 11 	<ul style="list-style-type: none"> - Single/Multiple AMD/Intel Pentium CPU - 512 MB RAM - 80 MB free disk space for installation on system volume - Write permission on partition where Solidifier will be installed 	<ul style="list-style-type: none"> - EXT 2 - EXT 3 - EXT 4 - REISERFS - NFS 2 - NFS 3 - NFS 4 - XFS
Server Operating System Type: Linux (64-bit)		
Minimum Operating Systems Requirements	Minimum Hardware Requirements	Supported File Systems
<ul style="list-style-type: none"> - RHEL 5 - RHEL 6 - RHEL 7 - CentOS 5 - CentOS 6 - CentOS 7 	<ul style="list-style-type: none"> - Single/Multiple AMD/Intel Pentium CPU - 512 MB RAM - 80 MB free disk space for installation on system volume - Write permission on partition where Solidifier will be installed 	<ul style="list-style-type: none"> - EXT 2 - EXT 3 - EXT 4 - REISERFS - NFS 2 - NFS 3 - NFS 4 - XFS
Server Operating System Type: Solaris		
Minimum Operating Systems Requirements	Minimum Hardware Requirements	Supported File Systems
<ul style="list-style-type: none"> - Solaris 9 SPARC - Solaris 10 SPARC - Solaris 10 x86/AMD64 	<ul style="list-style-type: none"> - UP/SMP Ultra SPARC II Series - Ultra SPARC III Series - 512 MB RAM - 80 MB free disk space for installation on system volume - Write permission on partition where Solidifier will be installed 	<ul style="list-style-type: none"> - UFS - VxFS - TMPFS - NFS 2 - NFS 3 - ZFS (Solaris 10 Only)"

The Parties have executed this Amendment No. 115 on the dates indicated below.

VITA for the Commonwealth of Virginia	Northrop Grumman Systems Corporation
By: 	By: 
Name: Francine C. Barnes	Name: Roxanne Esch
Contract Manager	Director, Contracts
Date: 2/29/2016	Date: 02/22/2016