



**SCHEDULE 3.11
TO THE
COMPREHENSIVE INFRASTRUCTURE
AGREEMENT
TECHNOLOGY REFRESH PLAN**

Technology Refresh Plan

This is Schedule 3.11 (Technology Refresh Plan) to the Comprehensive Infrastructure Agreement between the Commonwealth and Vendor (the "Agreement").

Vendor's Technology Refresh Plan for the various types of equipment Vendor plans to refresh is summarized below and further described in the appropriate Addendum to Schedule 3.3.

Desktop PC's

- 47,000 within the first three years of the Agreement

Laptop PC's

- 10,000 within the first three years of the Agreement

**Management agents shall be loaded during the first three years of the Agreement on the existing approximately 8,000 desktops and 2,000 laptops procured since June 2004

After the initial refresh, desktops, laptops and tablets will be refreshed on the VITA requested ongoing schedule of 30% of systems on a 4 year schedule, 60% on a 5 year schedule, and 10% on an as needed basis.

Bundled Peripherals –During Contract Year One and Two of the Agreement, Northrop Grumman will provide one of each of the following in connection with all "Standard" laptop configurations: 17" LCD Flat Panel monitor, docking station, standard keyboard, and standard mouse (the "Bundled Peripherals"). Beginning in Contract Year 3 and through the Term of the Agreement, the Commonwealth shall have the option to refresh the Bundled Peripherals every four (4) or five (5) years, depending on the schedule for refreshing the associated laptop. It shall be the choice of the affected Eligible Customer whether to exercise this option.

Network Printers will be consolidated and refreshed throughout the Agreement.

- Standard size monochrome laser printers will be refreshed at an average of 360 per year
- Medium size monochrome laser printers will be refreshed at an average of 370 per year
- Large size monochrome laser printers will be refreshed at an average of 435 per year
- Color laser printers will be refreshed at an average of 70 per year
- Standard multifunction devices will be refreshed at an average of 15 per year
- Large multifunction devices will be refreshed at an average of 5 per year

PDA's – Option to refresh every three (3) years; choice of user whether to exercise the option

Servers – Unix – After the initial refresh, Servers will be refreshed, during the Term of the Agreement, as required to meet Service Levels set forth in the applicable Statement of Work.

Servers – "Wintel," Linux, Netware, VMS, VMWare, Other – After the initial refresh, Servers will be refreshed, during the Term of the Agreement, as required to meet Service Levels specified in the applicable Statement of Work.

Mainframes – After the initial refresh, the Unisys mainframe will be refreshed, during the Term of the Agreement, as required to meet Service Levels set forth in the applicable

Statement of Work. The IBM mainframe will be refreshed with newer technology systems in year 8.

Mainframe DMX-1000 storage system will be refreshed in year 10

3Par distributed storage system - will be refreshed in year 8.

Mainframe Printers – Replace when required

Routers and switches – After the initial refresh, routers and switches will be refreshed, during the Term of the Agreement, as required to meet the Service Levels set forth in the applicable Statement of Work.

Telephone Centrex PSTN phones - implementation of VoIP service begins in year 2

In addition to the refresh schedules set forth above, Vendor shall replace equipment items where replacement is required to maintain the equipment in an operational status.