

## Quick Wins 2007

**Key: Yellow indicates a new product group added to Quick Wins 2003 List.**

	Product type	The 2003 ‘Quick Win’ specification	2007 Minimum Procurement Specifications				Justification for 2007 specification																							
Nr	OFFICE SUPPLIES																													
1.	Personal computers	<b>Energy saving:</b> Computer to meet current ‘Energy Star’ requirements	<ul style="list-style-type: none"><li>• Energy consumption on mode &lt; 74W</li><li>• Consumes 15 Watts or less in low-power mode (equivalent to <a href="#">Energy Star Computers</a> requirement issued 1<sup>st</sup> July 1999, see Table below)</li><li>• Energy-efficiency specifications based on power supply.</li><li>• Automatically enter a low-power "sleep" mode after a period of inactivity.</li><li>• Factory-enabled to enter sleep when on network</li><li>• Include mechanisms through which the low-power modes of qualified monitors can be activated.</li><li>• Facility to return product at end-of-life, free of charge</li></ul> <table><tr><td rowspan="2">Computer Delivery Date</td><td rowspan="2">Guidelines</td><td colspan="2">Power Consumption</td></tr><tr><td>Power Supply (PS)</td><td>Watts (W) in Sleep Mode (SM)</td></tr><tr><td rowspan="6">PC Delivered After 1<sup>st</sup> July, 2000</td><td rowspan="6">Shall enter a sleep mode within 30 minutes of inactivity  If shipped with network capability, shall sleep on networks and respond to wake events</td><td><b>Guideline A:</b></td><td></td></tr><tr><td>PS &lt; 200W</td><td>SM &lt; 15W</td></tr><tr><td>200W &lt; PS &lt; 300W</td><td>SM &lt; 20W</td></tr><tr><td>300W &lt; PS &lt; 350W</td><td>SM &lt; 25W</td></tr><tr><td>350W &lt; PS &lt; 400W</td><td>SM &lt; 30W</td></tr><tr><td>PS &gt; 400W</td><td>&lt; 10% of power supply's maximum continuous output rating</td></tr><tr><td></td><td><b>Guideline B</b></td><td>&lt; 15% of power supply's maximum continuous output rating</td></tr></table>				Computer Delivery Date	Guidelines	Power Consumption		Power Supply (PS)	Watts (W) in Sleep Mode (SM)	PC Delivered After 1 <sup>st</sup> July, 2000	Shall enter a sleep mode within 30 minutes of inactivity  If shipped with network capability, shall sleep on networks and respond to wake events	<b>Guideline A:</b>		PS < 200W	SM < 15W	200W < PS < 300W	SM < 20W	300W < PS < 350W	SM < 25W	350W < PS < 400W	SM < 30W	PS > 400W	< 10% of power supply's maximum continuous output rating		<b>Guideline B</b>	< 15% of power supply's maximum continuous output rating	Data taken from MTP’s Evidence Base ( <a href="#">Policy Brief ICT</a> )  Average of models in EC Energy Star database
Computer Delivery Date	Guidelines	Power Consumption																												
		Power Supply (PS)	Watts (W) in Sleep Mode (SM)																											
PC Delivered After 1 <sup>st</sup> July, 2000	Shall enter a sleep mode within 30 minutes of inactivity  If shipped with network capability, shall sleep on networks and respond to wake events	<b>Guideline A:</b>																												
		PS < 200W	SM < 15W																											
		200W < PS < 300W	SM < 20W																											
		300W < PS < 350W	SM < 25W																											
		350W < PS < 400W	SM < 30W																											
		PS > 400W	< 10% of power supply's maximum continuous output rating																											
	<b>Guideline B</b>	< 15% of power supply's maximum continuous output rating																												
2.	CRT computer monitors	<b>Energy saving:</b> Monitor to meet current ‘Energy Star’ requirements	<ul style="list-style-type: none"><li>• Energy consumption on mode &lt; 100.4W</li><li>• Consumes 4W or less in sleep mode and 2W or less in off mode (equivalent to <a href="#">Energy Star Monitors</a> requirement issued 1<sup>st</sup> January 2005)</li></ul>				Data taken from MTP’s Evidence Base ( <a href="#">Policy Brief ICT</a> ) Average of models in EC Energy Star database																							

MarchMMarch

	Product type	The 2003 'Quick Win' specification	2007 Minimum Procurement Specifications				Justification for 2007 specification																						
3.	LCD computer monitors	-	<ul style="list-style-type: none"><li>Energy consumption on mode &lt; 37.1W</li><li>Consumes 4W or less in sleep mode and 2W or less in off mode (equivalent to <a href="#">Energy Star Monitors</a> requirement issued 1<sup>st</sup> January 2005)</li></ul>				Data taken from MTP's Evidence Base ( <a href="#">Policy Brief ICT</a> )  Average of models in EC Energy Star database																						
4.	Portable computers	<b>Energy saving:</b> Maximum off-mode consumption of < 2 watts	<ul style="list-style-type: none"><li>Consumes 15W or less in sleep mode (equivalent to <a href="#">Energy Star Computers</a> requirement issued 1<sup>st</sup> July 1999, see Table below)</li><li>Energy-efficiency specifications based on power supply.</li><li>Automatically enter a low-power "sleep" mode after a period of inactivity.</li><li>Factory-enabled to enter sleep when on network</li><li>Include mechanisms through which the low-power modes of qualified monitors can be activated.</li><li>Facility to return product at end-of-life, free of charge</li></ul> <table><tr><th rowspan="2">Computer Delivery Date</th><th rowspan="2">Guidelines</th><th colspan="2">Power Consumption</th></tr><tr><th>Power Supply (PS)</th><th>Watts (W) in Sleep Mode (SM)</th></tr><tr><td rowspan="7">PC Delivered After 1<sup>st</sup> July, 2000</td><td rowspan="7">Shall enter a sleep mode within 30 minutes of inactivity  If shipped with network capability, shall sleep on networks and respond to wake events</td><td><b>Guideline A:</b></td><td></td></tr><tr><td>PS &lt; 200W</td><td>SM &lt; 15W</td></tr><tr><td>200W &lt; PS &lt; 300W</td><td>SM &lt; 20W</td></tr><tr><td>300W &lt; PS &lt; 350W</td><td>SM &lt; 25W</td></tr><tr><td>350W &lt; PS &lt; 400W</td><td>SM &lt; 30W</td></tr><tr><td>PS &gt; 400W</td><td>&lt; 10% of power supply's maximum continuous output rating</td></tr><tr><td><b>Guideline B</b></td><td>&lt; 15% of power supply's maximum continuous output rating</td></tr></table>				Computer Delivery Date	Guidelines	Power Consumption		Power Supply (PS)	Watts (W) in Sleep Mode (SM)	PC Delivered After 1 <sup>st</sup> July, 2000	Shall enter a sleep mode within 30 minutes of inactivity  If shipped with network capability, shall sleep on networks and respond to wake events	<b>Guideline A:</b>		PS < 200W	SM < 15W	200W < PS < 300W	SM < 20W	300W < PS < 350W	SM < 25W	350W < PS < 400W	SM < 30W	PS > 400W	< 10% of power supply's maximum continuous output rating	<b>Guideline B</b>	< 15% of power supply's maximum continuous output rating	Data taken from MTP's Evidence Base ( <a href="#">Policy Brief ICT</a> )
Computer Delivery Date	Guidelines	Power Consumption																											
		Power Supply (PS)	Watts (W) in Sleep Mode (SM)																										
PC Delivered After 1 <sup>st</sup> July, 2000	Shall enter a sleep mode within 30 minutes of inactivity  If shipped with network capability, shall sleep on networks and respond to wake events	<b>Guideline A:</b>																											
		PS < 200W	SM < 15W																										
		200W < PS < 300W	SM < 20W																										
		300W < PS < 350W	SM < 25W																										
		350W < PS < 400W	SM < 30W																										
		PS > 400W	< 10% of power supply's maximum continuous output rating																										
		<b>Guideline B</b>	< 15% of power supply's maximum continuous output rating																										

March

	Product type	The 2003 'Quick Win' specification	2007 Minimum Procurement Specifications	Justification for 2007 specification																														
5.	Laser Printers	-	<ul style="list-style-type: none"><li>Energy consumption is equivalent to <a href="#">Energy Star Printers</a> requirement issued 1<sup>st</sup> November 2001.</li><li>Standard Size Printers and Printer/Fax Combinations (designated to accommodate primarily A3, A4, or 8.5" x 11" sized paper)</li></ul> <table><tr><th>Product Speed in Pages Per Minute (ppm)</th><th>Sleep Mode (Watts)</th><th>Default Time to Sleep Mode</th></tr><tr><td>0 &lt; ppm &lt; 10</td><td>&lt; 10</td><td>&lt; 5 minutes</td></tr><tr><td>10 &lt; ppm &lt; 20</td><td>&lt; 20</td><td>&lt; 15 minutes</td></tr><tr><td>20 &lt; ppm &lt; 30</td><td>&lt; 30</td><td>&lt; 30 minutes</td></tr><tr><td>30 &lt; ppm &lt; 44</td><td>&lt; 40</td><td>&lt; 60 minutes</td></tr><tr><td>44 &lt; ppm</td><td>&lt; 75</td><td>&lt; 60 minutes</td></tr></table> <ul style="list-style-type: none"><li>Colour Printers (designed to accommodate primarily A3, A4, or 8.5" x 11" sized paper)</li></ul> <table><tr><th>Product Speed in Pages per minute (ppm)</th><th>Sleep Mode (Watts)</th><th>Default Time to Sleep Mode</th></tr><tr><td>0 &lt; ppm &lt; 10</td><td>&lt; 35</td><td>&lt; 30 minutes</td></tr><tr><td>10 &lt; ppm &lt; 20</td><td>&lt; 45</td><td>&lt; 60 minutes</td></tr><tr><td>20 &lt; ppm</td><td>&lt; 70</td><td>&lt; 60 minutes</td></tr></table> <ul style="list-style-type: none"><li>Can print double-sided</li><li>Buy cartridges from suppliers that offer a take-back scheme to recycle used cartridges</li><li>Automatically enter a low-power "sleep" mode after a period of inactivity, see table above.</li><li>If the product is shipped with the capability to be on a network, it shall have the ability to enter a Sleep Mode while on the network.</li><li>If the product has the capability to be on a network, it shall retain in Sleep Mode its ability to respond to wake events directed or targeted to the product while on a network.</li></ul>	Product Speed in Pages Per Minute (ppm)	Sleep Mode (Watts)	Default Time to Sleep Mode	0 < ppm < 10	< 10	< 5 minutes	10 < ppm < 20	< 20	< 15 minutes	20 < ppm < 30	< 30	< 30 minutes	30 < ppm < 44	< 40	< 60 minutes	44 < ppm	< 75	< 60 minutes	Product Speed in Pages per minute (ppm)	Sleep Mode (Watts)	Default Time to Sleep Mode	0 < ppm < 10	< 35	< 30 minutes	10 < ppm < 20	< 45	< 60 minutes	20 < ppm	< 70	< 60 minutes	<p>Data taken from MTP's Evidence Base <a href="#">(Policy Brief ICT)</a></p> <p>Energy Star, see <a href="#">Energy Star Printers</a> for detail and other printer specifications</p>
Product Speed in Pages Per Minute (ppm)	Sleep Mode (Watts)	Default Time to Sleep Mode																																
0 < ppm < 10	< 10	< 5 minutes																																
10 < ppm < 20	< 20	< 15 minutes																																
20 < ppm < 30	< 30	< 30 minutes																																
30 < ppm < 44	< 40	< 60 minutes																																
44 < ppm	< 75	< 60 minutes																																
Product Speed in Pages per minute (ppm)	Sleep Mode (Watts)	Default Time to Sleep Mode																																
0 < ppm < 10	< 35	< 30 minutes																																
10 < ppm < 20	< 45	< 60 minutes																																
20 < ppm	< 70	< 60 minutes																																
6.	Scanners	-	<ul style="list-style-type: none"><li>Automatically enter a low-power "sleep" mode of less than or equal to 12W within 15 minutes of inactivity (equivalent to <a href="#">Energy Star Scanners</a> requirement as of 15.09.2005)</li></ul>	<p>Data taken from MTP's Evidence Base <a href="#">(Policy Brief ICT)</a> and Energy Star, see <a href="#">Energy Star Scanners</a></p>																														



	Product type	The 2003 'Quick Win' specification	2007 Minimum Procurement Specifications	Justification for 2007 specification																																																	
7.	Photocopiers	-	<ul style="list-style-type: none"><li>Standard sized copiers. Energy consumption is equivalent to <a href="#">Energy Star Copiers</a> requirement issued 1<sup>st</sup> July 1997. (cpm = copies per minute)</li></ul> <table><tr><td>Copier Speed</td><td>0 &lt; cpm &lt; 20</td><td>20 &lt; cpm &lt; 44</td><td>44 &lt; cpm</td></tr><tr><td>Low-Power Mode (Watts)</td><td>None</td><td>3.85 x cpm + 5</td><td>3.85 x cpm + 5</td></tr><tr><td>Low-Power Default Time</td><td>NA</td><td>15 minutes</td><td>15 minutes</td></tr><tr><td>Recovery Time 30 seconds</td><td>NA</td><td>Yes</td><td>Recommended</td></tr><tr><td>Off Mode (Watts)</td><td>≤ 5</td><td>≤ 15</td><td>≤ 20</td></tr><tr><td>Off Mode Default Time</td><td>≤ 30 minutes</td><td>≤ 60 minutes</td><td>≤ 90 minutes</td></tr><tr><td>Automatic Duplex Mode</td><td>No</td><td>Optional</td><td>Optional</td></tr></table> <ul style="list-style-type: none"><li>Large format copiers. Energy consumption is equivalent to <a href="#">Energy Star Copiers</a> requirement issued 1<sup>st</sup> July 1999. (cpm = copies per minute)</li></ul> <table><tr><td>Copier Speed</td><td>Low-Power Mode (Watts)</td><td>Low-Power Default Time</td><td>Recovery Time 30 Seconds</td><td>Off Mode (Watts)</td><td>Off Mode Default Time</td><td>Automatic Duplex Mode</td></tr><tr><td>0 &lt; cpm &lt; 40</td><td>NA</td><td>NA</td><td>NA</td><td>≤ 10</td><td>≤ 30 min.</td><td>No</td></tr><tr><td>40 &lt; cpm</td><td>3.85 x cpm + 5</td><td>15 min.</td><td>Recommended</td><td>≤ 20</td><td>≤ 90 min.</td><td>No</td></tr></table> <ul style="list-style-type: none"><li>Automatically enter "low-power" and/or "off" modes after a period of inactivity.</li><li>Energy-efficiency specifications based on copier speed.</li><li>Separate specifications available for large/wide-format models.</li><li>Double-sided copying on standard-sized machines that copy at 20 pages or faster per minute is a recommended default option.</li><li>Buy cartridges from suppliers that offer a take-back scheme to recycle used cartridges</li></ul>	Copier Speed	0 < cpm < 20	20 < cpm < 44	44 < cpm	Low-Power Mode (Watts)	None	3.85 x cpm + 5	3.85 x cpm + 5	Low-Power Default Time	NA	15 minutes	15 minutes	Recovery Time 30 seconds	NA	Yes	Recommended	Off Mode (Watts)	≤ 5	≤ 15	≤ 20	Off Mode Default Time	≤ 30 minutes	≤ 60 minutes	≤ 90 minutes	Automatic Duplex Mode	No	Optional	Optional	Copier Speed	Low-Power Mode (Watts)	Low-Power Default Time	Recovery Time 30 Seconds	Off Mode (Watts)	Off Mode Default Time	Automatic Duplex Mode	0 < cpm < 40	NA	NA	NA	≤ 10	≤ 30 min.	No	40 < cpm	3.85 x cpm + 5	15 min.	Recommended	≤ 20	≤ 90 min.	No	Data taken from MTP's Evidence Base ( <a href="#">Policy Brief ICT</a> ) Energy Star, see <a href="#">Energy Star Copiers</a>
Copier Speed	0 < cpm < 20	20 < cpm < 44	44 < cpm																																																		
Low-Power Mode (Watts)	None	3.85 x cpm + 5	3.85 x cpm + 5																																																		
Low-Power Default Time	NA	15 minutes	15 minutes																																																		
Recovery Time 30 seconds	NA	Yes	Recommended																																																		
Off Mode (Watts)	≤ 5	≤ 15	≤ 20																																																		
Off Mode Default Time	≤ 30 minutes	≤ 60 minutes	≤ 90 minutes																																																		
Automatic Duplex Mode	No	Optional	Optional																																																		
Copier Speed	Low-Power Mode (Watts)	Low-Power Default Time	Recovery Time 30 Seconds	Off Mode (Watts)	Off Mode Default Time	Automatic Duplex Mode																																															
0 < cpm < 40	NA	NA	NA	≤ 10	≤ 30 min.	No																																															
40 < cpm	3.85 x cpm + 5	15 min.	Recommended	≤ 20	≤ 90 min.	No																																															



	Product type	The 2003 'Quick Win' specification	2007 Minimum Procurement Specifications	Justification for 2007 specification									
8.	Faxes	-	<ul style="list-style-type: none"><li>Energy consumption is equivalent to <a href="#">Energy Star Faxes</a> requirement issued 1<sup>st</sup> November 2000.</li><li>For Standard Size Printer/Fax Combinations, see Laser Printers above.</li><li>Stand Alone Fax Machine (designed to accommodate primarily A4, or 8.5" x 11" sized paper)</li></ul> <table><tr><td>Product Speed in Pages per minute (ppm)</td><td>Sleep Mode (Watts)</td><td>Default Time to Sleep Mode</td></tr><tr><td>0 &lt; ppm &lt; 10</td><td>&lt; 10</td><td>&lt; 5 minutes</td></tr><tr><td>10 &lt; ppm</td><td>&lt; 15</td><td>&lt; 5 minutes</td></tr></table> <ul style="list-style-type: none"><li>Automatically enter a low-power "sleep" mode after a period of inactivity.</li><li>If the product is shipped with the capability to be on a network, it shall have the ability to enter a Sleep Mode while on the network.</li><li>If the product has the capability to be on a network, it shall retain in Sleep Mode its ability to respond to wake events directed or targeted to the product while on a network.</li><li>Can print double-sided.</li><li>Buy cartridges from suppliers that offer a take-back scheme to recycle used cartridges.</li></ul>	Product Speed in Pages per minute (ppm)	Sleep Mode (Watts)	Default Time to Sleep Mode	0 < ppm < 10	< 10	< 5 minutes	10 < ppm	< 15	< 5 minutes	Data taken from MTP's Evidence Base ( <a href="#">Policy Brief ICT</a> ) and the Energy Star, see <a href="#">Energy Star Faxes</a>
Product Speed in Pages per minute (ppm)	Sleep Mode (Watts)	Default Time to Sleep Mode											
0 < ppm < 10	< 10	< 5 minutes											
10 < ppm	< 15	< 5 minutes											
9.	Mobile Phones	-	<ul style="list-style-type: none"><li>Recharger to comply with portable power supplies specification 10.</li><li>Free end-of-life return to manufacturer made available</li></ul>	Data taken from MTP's Evidence Base ( <a href="#">Policy Brief ICT</a> )									
10.	Portable Power Supplies	-	<ul style="list-style-type: none"><li>1W or less</li></ul>	Data taken from MTP's Evidence Base ( <a href="#">Policy Brief External Power Supplies</a> ) Poor = >1W Code of Conduct = 1W Best Practice = 0.75W Top Performers = 0.5W									
11.	Copying paper	<b>Recycled content:</b> 100% recycled Minimum of 75% post-consumer waste	<ul style="list-style-type: none"><li>100% recycled content</li></ul>										




	Product type	The 2003 'Quick Win' specification	2007 Minimum Procurement Specifications	Justification for 2007 specification
12.	Paper for printed publications	<b>Recycled content:</b> Minimum 60% (of which 75% post-consumer waste)	<ul style="list-style-type: none"> <li>• 50% recycled content with a 'best in class' standard of 75%. All Departments are expected to move towards 75% and achieve full compliance by October 2009.</li> </ul>	
13.	Envelopes		<ul style="list-style-type: none"> <li>• 100% recycled content for general use</li> <li>• 60% recycled content for mailing system envelopes (i.e. for automated envelope stuffing).</li> <li>• Any virgin pulp used to come from trees that were legally harvested and preferably grown in sustainably managed forests</li> </ul>	<ul style="list-style-type: none"> <li>• WRAP suggests that these requirements are proposed as Quick Win specifications by Government and subject to stakeholder consultation prior to formal adoption. (A study currently being commissioned by WRAP will provide expert advice on recycled content in mailing system envelopes.</li> <li>• Government Policy, see <a href="#">Defra 1</a> and <a href="#">Defra 2</a></li> </ul>
	OTHER EQUIPMENT			



	Product type	The 2003 'Quick Win' specification	2007 Minimum Procurement Specifications	Justification for 2007 specification
14.	<b>Wood Products</b>	Government Policy is that the wood content is either from recycled timber or comes from legally harvested trees preferably grown in sustainably managed forests	<p>All timber and wood products to be purchased in accordance with 2005 Timber Procurement Advice Note at:  <a href="http://www.proforest.net/cpet/uk-government-timber-procurement-policy/timber-guidance">http://www.proforest.net/cpet/uk-government-timber-procurement-policy/timber-guidance</a>            See Press Release:  <a href="http://www.gnn.gov.uk/content/detail.asp?ReleaseID=177622&amp;NewsAreaID=2&amp;NavigatedFromSearch=True">http://www.gnn.gov.uk/content/detail.asp?ReleaseID=177622&amp;NewsAreaID=2&amp;NavigatedFromSearch=True</a>            about the Central Point of Expertise on Timber (CPET) helpline, operated by ProForest.</p> <p>From 1 April 2009, only timber and timber products originating either from independently verified legal and sustainable sources or from a licensed Forest Law Enforcement Governance and Trade (FLEGT) partner will be demanded for use on the Government estate, and appropriate documentation will be required to prove it. From 1 April 2015, only legal and sustainable timber will be demanded.</p>	<p>More specific alignment with Government timber purchasing policy <a href="#">Defra 1</a> and <a href="#">Defra 2</a></p> <p>"GOVT TIMBER PROC POLICY.pdf"</p>
15.	<b>Cars</b>  <b>DfT will publish a new car target in Spring 2007 for government estate.</b>	<b>Carbon emissions:</b> UK Vehicle Excise Duty band 'A' or 'B' (i.e., CO2 emissions < 150g/km)	<b>Carbon emissions:</b>	<b>To be decided by DfT</b>
16.	<b>Gas boilers</b>	<b>Energy consumption in use:</b> Rating of A or B under DEFRA / SEDBUK scheme	<b>Energy consumption in use:</b> Rating of A or B under DEFRA / SEDBUK scheme <a href="#">SEDBUK</a>	Advice from MTP's Evidence Base is to keep same minimum specification as new Building Regulations state that boilers must be rated at SEDBUK A or B (these are mainly condensing boilers). Moving to just A rated boilers would be too restrictive for now. <a href="#">(Policy Brief Heating)</a>



	Product type	The 2003 'Quick Win' specification	2007 Minimum Procurement Specifications	Justification for 2007 specification
17.	Central heating systems	-	CHeSS (2002) HR3 or HC3 rating <a href="#">SEDBUK</a>	MTP's Evidence Base recommends HR3 and HC3 rated central heating systems. <a href="#">(Policy Brief Heating)</a>
18.	Fridges and freezers (including combined fridge-freezers)	<b>Energy consumption in use:</b> EU Energy Label class A	<b>Energy consumption in use:</b> EU Energy Label class A  Not to use HFC as the refrigerant (the use of CFC and HCFC is already prohibited by legislation)	MTP's Evidence Base recommends energy consumption set at EU Energy Label Class A, as there are not enough A+ or A++ rated machines widely available yet. <a href="#">(Policy Brief Refrigeration)</a>   "Quick Wins Refrigerants.doc"





	Product type	The 2003 'Quick Win' specification	2007 Minimum Procurement Specifications	Justification for 2007 specification
19.	Washing machines	<b>Energy consumption in use:</b> EU Energy Label class A	<ul style="list-style-type: none"> <li>• EU Energy Label class A</li> <li>• Wash and spin performance class B or better</li> <li>• Water consumption &lt;10L/kg of laundry</li> <li>• Noise; washing &lt;62dBA, spinning &lt;76dBA</li> </ul>	MTP's Evidence Base recommends energy consumption set at EU Energy Label Class A, as there are not enough A+ or A++ rated machines yet and recommends wash/spin performance B (there are 30 entries in the database for Class A rated machines for wash and spin performance which would equate to class leader). Litres of water used per kg of load should be <10L/kg washload. (Market survey found best to be 7.8 L/kg, average of 9.6 L/kg and highest to be 15 L/kg.) <a href="#">(Policy Brief Washing)</a>
20.	Dishwashers 10 place settings	<b>Energy consumption in use:</b> EU Energy Label class A	<ul style="list-style-type: none"> <li>• EU Energy Label class A</li> <li>• Drying performance class A or B</li> <li>• Water consumption &lt;15L / cycle</li> <li>• Noise &lt;60dBA</li> <li>• Cleaning performance class C or better</li> </ul>	MTP's Evidence Base recommends EU Energy Label Class A, as there are not enough A+ or A++ rated machines yet and recommends class B or better for drying performance. For litres water used per cycle, class leader is 13L, maximum is 18L, set QW to 15L. <a href="#">(Policy Brief Washing)</a>
21.	Tumble Dryers)	-	<ul style="list-style-type: none"> <li>• Vented full-size – EU Energy Label class C or better</li> <li>• Condensing full-size – EU Energy Label class C or better</li> </ul>	Data taken from MTP's Evidence Base <a href="#">(Policy Brief Washing)</a>



	Product type	The 2003 'Quick Win' specification	2007 Minimum Procurement Specifications	Justification for 2007 specification										
22.	Washer Dryers	-	<ul style="list-style-type: none"><li>• EU Energy Label class C or better</li><li>• Water consumption &lt;90L / cycle</li></ul>	Data taken from MTP's Evidence Base <a href="#">(Policy Brief Washing)</a>										
23.	Electric Ovens	-	<ul style="list-style-type: none"><li>• Standby power use of &lt;0.5W</li><li>• EU Energy Efficiency rating A or better</li></ul>	Data taken from MTP's Evidence Base <a href="#">(Policy Brief Cooking)</a>										
24.	Televisions CRT	<b>Energy saving:</b> Stand-by consumption < 1 watt	<ul style="list-style-type: none"><li>• Energy consumption on &lt;50W</li><li>• Energy consumption standby &lt;1.5W</li></ul>	Data taken from MTP's Evidence Base <a href="#">(Policy Brief Televisions)</a>										
25.	Televisions LCD	<b>Energy saving:</b> Stand-by consumption < 1 watt	<ul style="list-style-type: none"><li>• Standby energy of 1W or less</li><li>• In-use energy as follows by screen size</li></ul> <table><tr><th>Screen size, inches</th><th>Energy use when on, watts</th></tr><tr><td>17</td><td>23</td></tr><tr><td>22</td><td>53</td></tr><tr><td>28</td><td>82</td></tr><tr><td>37-40</td><td>121</td></tr></table>	Screen size, inches	Energy use when on, watts	17	23	22	53	28	82	37-40	121	Data taken from MTP's Evidence Base. <a href="#">(Policy Brief Televisions)</a> 99% of TVs are at 1W standby or better, 3W is worst case.
Screen size, inches	Energy use when on, watts													
17	23													
22	53													
28	82													
37-40	121													
26.	Televisions Plasma	-	<ul style="list-style-type: none"><li>• Energy consumption on &lt;220W</li><li>• Energy consumption standby &lt;0.6W</li></ul>	Data taken from MTP's Evidence Base <a href="#">(Policy Brief Televisions)</a>										
27.	Televisions with integrated digital receiver	-	<ul style="list-style-type: none"><li>• See criteria for TVs above</li></ul>	The presence of the integral adapter has almost no impact on the power of the television - i.e. they take no more power than a normal TV. <a href="#">(Policy Brief Televisions)</a>										
28.	VCRs	-	<ul style="list-style-type: none"><li>• Energy consumption on &lt;12W</li><li>• Energy consumption standby &lt;3W</li></ul>	Data taken from MTP's Evidence Base <a href="#">(Policy Brief Recording Equipment)</a>										
29.	DVDs (Not Recorders or PVRs)	-	<ul style="list-style-type: none"><li>• Energy consumption on &lt;11W</li><li>• Energy consumption standby &lt;0.8W</li></ul>	Data taken from MTP's Evidence Base <a href="#">(Policy Brief Recording Equipment)</a>										






	Product type	The 2003 'Quick Win' specification	2007 Minimum Procurement Specifications	Justification for 2007 specification
30.	Terrestrial Digital Adapters	-	<ul style="list-style-type: none"> <li>• Energy consumption on &lt;7W</li> <li>• Energy consumption standby &lt;2.8W</li> </ul>	Data taken from MTP's Evidence Base ( <a href="#">Policy Brief Digital Television Adapters</a> )
	<b>LARGER PLANT</b>			
31.	CHP and large boiler equipment	<b>Energy saving:</b> Standard as specified for Government's Enhanced Capital Allowances scheme ( <a href="#">ECA</a> )	<b>Energy saving:</b> Must be compliant with the standard as specified for Government's Enhanced Capital Allowances scheme - must be certified under CHPQA ( <a href="#">ECA-CHP</a> )	Data taken from MTP's Evidence Base
32.	Lighting systems	<b>Energy saving:</b> Standard as specified for Government's Enhanced Capital Allowances scheme ( <a href="#">ECA</a> )	<b>Energy saving:</b> Must be compliant with the standard as specified for Government's Enhanced Capital Allowances scheme ( <a href="#">ECA-Lighting</a> )	Data taken from MTP's Evidence Base ( <a href="#">Policy Brief Commercial Lighting</a> ) and Enhanced Capital Allowances scheme ( <a href="#">ECA-Lighting</a> ). This group includes bulbs, fittings, and ballasts and is application dependent. The criteria are very extensive and should be accessed through the ECA link.
33.	Energy control gear	<b>Energy saving:</b> Standard as in the Energy Saving Trust endorsement scheme ( <a href="#">ECA</a> )	<b>Energy saving:</b> <ul style="list-style-type: none"> <li>• Must be compliant with the standard as specified for Government's Enhanced Capital Allowances scheme (<a href="#">ECA-Lighting controls</a>)</li> <li>• They must only be switched on when needed thereby minimise energy consumption –or</li> <li>• regulated in terms of light output and energy consumption to take full advantage of daylight availability.</li> </ul>	Data taken from MTP's Evidence Base and the Enhanced Capital Allowances scheme ( <a href="#">ECA-Lighting controls</a> ) This group includes switches, motion sensors, timers, and is application dependent. The criteria are extensive.



	Product type	The 2003 'Quick Win' specification	2007 Minimum Procurement Specifications	Justification for 2007 specification
34.	Thermal screens (CURTAIN)	<b>Energy saving:</b> Standard as specified for Government's Enhanced Capital Allowances scheme ( <a href="#">ECA</a> )	<b>Energy saving:</b> <ul style="list-style-type: none"> <li>As of 7th September 2006 thermal screens are a technology that is no longer covered by the enhanced capital allowances scheme. It was removed because it is an energy saving technology that is now widely accepted by industry and therefore no longer needs ECA scheme support</li> <li>Must be compliant with the standard as specified for Government's Enhanced Capital Allowances scheme (<a href="#">ECA-Thermal Screens</a>)</li> <li>Thermal screen installations eligible for ECAs shall be specifically designed to reduce the energy consumption of a greenhouse. Equipment shall be of a moveable design, with a mechanical system being using to facilitate the opening/closing of the screen</li> </ul>	Data taken from MTP's Evidence Base and the Enhanced Capital Allowances scheme ( <a href="#">ECA-Thermal Screens</a> )
35.	Motors and drives	<b>Energy saving:</b> Standard as specified for Government's Enhanced Capital Allowances scheme = eff1	<ul style="list-style-type: none"> <li>Energy efficiency rating of Eff2 or better</li> </ul>	Data taken from MTP's Evidence Base. Most major manufacturers no longer make eff3 motors. Eff2 is the industry norm, at approximately 70% and eff1 is 15% of market, both are readily available. Advice is to have eff1 motor if have high running hours but eff2 if have low running hours. Suggested specification is eff2. ( <a href="#">Policy Brief Motors</a> )



	Product type	The 2003 'Quick Win' specification	2007 Minimum Procurement Specifications	Justification for 2007 specification
36.	<b>Refrigeration cabinets</b>	<b>Energy saving:</b> Standard as specified for Government's Enhanced Capital Allowances scheme ( <a href="#">ECA</a> )	<b>Energy saving:</b> <ul style="list-style-type: none"> <li>• Must be compliant with the standard as specified for Government's Enhanced Capital Allowances scheme (<a href="#">ECA-Refrigerated Display Cabinets</a>)</li> <li>• Legislation prohibits the use of CFCs and HCFCs as refrigerants.</li> </ul>	Data taken from MTP's Evidence Base and Government's Enhanced Capital Allowances scheme ( <a href="#">ECA-Refrigerated Display Cabinets</a> ) The criteria are very extensive and should be accessed through the ECA link.  "Quick Wins Refrigerants.doc"
37.	<b>Air conditioning units</b> (air cooled, cooling only)	-	<ul style="list-style-type: none"> <li>• &lt;12 kW – EU Energy Label class C or better</li> <li>• &gt;12 kW – coefficient of performance of 2.85, or better (<a href="#">ECA</a>)</li> <li>• Legislation prohibits the use of CFCs and HCFCs as refrigerants.</li> </ul>	Data taken from MTP's Evidence Base and Government's Enhanced Capital Allowances scheme ( <a href="#">ECA</a> )  "Quick Wins Refrigerants.doc"
38.	<b>Cellar cooling equipment</b>	-	<ul style="list-style-type: none"> <li>• &lt;8 kW – coefficient of performance of 2.90, or better</li> <li>• &gt;8 kW – coefficient of performance of 3.20, or better (<a href="#">ECA-Cellar Cooling Equipment</a>)</li> <li>• Legislation prohibits the use of CFCs and HCFCs as refrigerants.</li> </ul>	Data taken from MTP's Evidence Base and Government's Enhanced Capital Allowances scheme ( <a href="#">ECA-Cellar Cooling Equipment</a> )  "Quick Wins Refrigerants.doc"



	Product type	The 2003 'Quick Win' specification	2007 Minimum Procurement Specifications	Justification for 2007 specification
39.	Condensing units	-	<ul style="list-style-type: none"> <li>Low temperature – coefficient of performance of 1.610, or better</li> <li>Medium temperature – coefficient of performance of 2.835, or better</li> <li>High temperature – coefficient of performance of 3.930, or better</li> </ul> <a href="#">(ECA-Air Cooled Condensing Units)</a>	Data taken from MTP's Evidence Base and the Enhanced Capital Allowances scheme <a href="#">(ECA-Air Cooled Condensing Units)</a>
	CONSUMABLES			
40.	Tissue paper (kitchen and toilet tissue)	<b>Recycled content:</b> 100% recycled	<ul style="list-style-type: none"> <li>100% recycled content</li> </ul>	WRAP advises minimum specification of 100% recycled content, with no mention of post-consumer waste content.
41.	Light-bulbs (single-ended)	<b>Energy consumption in use:</b> <u>Compact fluorescent:</u> EU Energy Label class A <u>Pin based:</u> EU Energy Label class A / B	<b>Energy consumption in use:</b> <u>Compact fluorescent:</u> EU Energy Label class A <u>Pin based:</u> EU Energy Label class A / B	MTP's Evidence Base recommends minimum specification stays the same as current Quick Win – it is achievable in the market place. <a href="#">(Policy Brief Lighting)</a>
42.	Light-bulbs (doubled-ended)	<b>Energy consumption in use:</b> <u>'Short Life':</u> EU Energy Label class A <u>'Long Life':</u> EU Energy Label class A	<b>Energy consumption in use:</b> <u>'Short Life':</u> EU Energy Label class A <u>'Long Life':</u> EU Energy Label class A	MTP's Evidence Base recommends minimum specification stays the same as current Quick Win – it is achievable in the market place. <a href="#">(Policy Brief Lighting)</a>



	Product type	The 2003 'Quick Win' specification	2007 Minimum Procurement Specifications	Justification for 2007 specification
43.	Paints and varnishes (indoor)	<b>Volatile organic compounds:</b> VOC content not to exceed: <b>wall paints:</b> 30 g/l <b>other paints:</b> 250 g/l <b>all other products:</b> 180 g/l	<ul style="list-style-type: none"> <li>Using the British Coatings Federation VOC labelling scale (<a href="#">VOC labelling</a>)</li> <li>Wall paints to have a 'Low' VOC content or better</li> <li>Other paints and all other products (varnishes etc) to have a 'Medium' VOC content or better.</li> </ul>	MTP's Evidence Base recommends minimum specification set at VOC labelling system as it is simpler to follow than the grams VOC / Litre of paint. The 2003 Quick Wins are the same as the EU Ecolabel criteria ( <a href="#">Ecolabel - Paints</a> ). The proposed levels (stated via the VOC label as percentage VOC content) map to the current Quick Wins; 30g/L = ca. 3% w/v – 'Low'; 180g/L = ca. 18% w/v – 'Medium'; 250g/L = ca. 25% w/v – 'Medium/High' boundary.
44.	Soil products (growing media and soil improvers)	<i>Organic ingredients:</i> All ingredients to be derived from the processing & /or re-use of waste materials	<i>Organic ingredients:</i> <ul style="list-style-type: none"> <li>All ingredients to be derived from the processing &amp; /or re-use of waste materials.</li> </ul>	MTP's Evidence Base recommends minimum specification stays the same. Wide availability of products in the market place.
45.	Textiles	-	<ul style="list-style-type: none"> <li>Cotton fibres shall contain no more than 0.2ppm of the pesticides listed in the <a href="#">EU ecolabel</a>, unless <math>\geq 25\%</math> of the cotton is organically certified.</li> <li>Wool fibres shall contain limited amounts of trace pesticides, with a total of 15ppm.</li> <li>Synthetic polyamide and polyester shall have VOC releases no more than twice the levels set in the <a href="#">EU ecolabel</a>.</li> </ul>	MTP's Evidence Base recommends this minimum specification based on the EU Ecolabel



	Product type	The 2003 'Quick Win' specification	2007 Minimum Procurement Specifications	Justification for 2007 specification
46.	Detergents (laundry)	<p><b>Biodegradability:</b> All surfactants to be biodegradable under aerobic conditions</p> <p><b>Total chemical content:</b> Total not to exceed 100g per standard weight of wash. (Heavy-duty detergents - per 4.5 kg load, dry textiles). (Low-duty detergents – per 2.5 kg load, dry textiles)</p>	<p><b>Total chemical content:</b> Total not to exceed 100g per standard weight of wash (Heavy-duty detergents - per 4.5 kg load, dry textiles) (Low-duty detergents - per 2.5 kg load, dry textiles)</p>	MTP's Evidence Base recommends minimum specification amended as aerobic biodegradability now mandatory, see <a href="#">EC Regulation on Detergents, March 2004</a> .
47.	Detergents (all-purpose cleaners)	<p><b>Biodegradability:</b> All surfactants to be biodegradable under anaerobic conditions</p>	<p><b>Biodegradability:</b> All surfactants to be biodegradable under anaerobic conditions</p>	MTP's Evidence Base recommends this minimum specification remains unchanged.
48.	Detergents (sanitary)	<p><b>Biodegradability:</b> All surfactants to be biodegradable under anaerobic conditions</p>	<p><b>Biodegradability:</b> All surfactants to be biodegradable under anaerobic conditions</p>	MTP's Evidence Base recommends this minimum specification remains unchanged.
49.	Detergents (hand dishwashing)	<p><b>Biodegradability:</b> All surfactants to be biodegradable under anaerobic conditions</p>	<p><b>Biodegradability:</b> All surfactants to be biodegradable under anaerobic conditions</p>	MTP's Evidence Base recommends this minimum specification remains unchanged.
50.	Detergents (dishwashers)	<p><b>Total chemical content:</b> Not to exceed 22 g per standard wash</p>	<p><b>Total chemical content:</b> Not to exceed 22 g per standard wash</p>	MTP's Evidence Base recommends this minimum specification remains unchanged.





	Product type	The 2003 'Quick Win' specification	2007 Minimum Procurement Specifications	Justification for 2007 specification
51.	Hydraulic fluids	-	<ul style="list-style-type: none"> <li>• Good biodegradability and low ecotoxicity;</li> <li>• Biodegradability –</li> <li>• OECD 301B - Ready Biodegradability, CO<sub>2</sub> evolution test</li> <li>• Ecotoxicity –</li> <li>• OECD 201 - Alga, Growth Inhibition Test;</li> <li>• OECD 202 - Daphnia sp. Acute Immobilisation Test and Reproduction Test;</li> <li>• OECD 203 - Fish, Acute Toxicity Test</li> </ul>	<p>MTP's Evidence Base. Sufficient materials are on the market to meet requirements. Hydraulic fluids are at risk of being lost to the environment. Such fluids operate under conditions of heat and pressure, and rupture of a hydraulic hose will lead directly to the loss of perhaps 100-150 litres, creating localised environmental pollution, often in sensitive areas such as waterways, forests and other rural locations. There is therefore a clear environmental advantage in using materials that are known to have low ecotoxicity, and to break down quickly and harmlessly. Where such products are bio-based they derive from a renewable source.</p>



	Product type	The 2003 'Quick Win' specification	2007 Minimum Procurement Specifications	Justification for 2007 specification
52.	Chainsaw lubricants	-	<ul style="list-style-type: none"> <li>• Good biodegradability and low ecotoxicity;</li> <li>• Biodegradability –</li> <li>• OECD 301B - Ready Biodegradability, CO<sub>2</sub> evolution test</li> <li>• Ecotoxicity –</li> <li>• OECD 201 - Alga, Growth Inhibition Test;</li> <li>• OECD 202 - Daphnia sp. Acute Immobilisation Test and Reproduction Test;</li> <li>• OECD 203 - Fish, Acute Toxicity Test</li> </ul>	<p>MTP's Evidence Base. Chain saw lubricants meeting the criteria are widely available. Chain saw lubricants are entirely lost to the environment, being gradually dispersed during use, and there is therefore a <i>prima facie</i> environmental advantage in using materials known to have low ecotoxicity, and to break down quickly and harmlessly. Many such products are bio-based and therefore derived from a renewable source, and as such their carbon content is recently sequestered from the atmosphere, avoiding the need to release new stocks of carbon into the atmosphere from fossil oils. This latter point is particularly important, as there is no possibility of recycling total loss lubricants.</p>

March

	Product type	The 2003 'Quick Win' specification	2007 Minimum Procurement Specifications	Justification for 2007 specification
53.	Water using appliances – low-flush toilets	-	<ul style="list-style-type: none"> <li>• Full Flush volume of 6 litres or less</li> <li>• Dual-flush of 6 litres or less and reduced flush of no greater than 2/3 of the maximum flush</li> <li>• Effective Flush volume of 4.5 litres or less (<a href="#">eca-water</a>)</li> </ul>	<p>It has been estimated that toilet use accounts for about 50% of the water used in offices and 30% in homes. Efficient toilets use about 25% less water than standard models. There are currently 44 such products on the Water Technology List. New water flushed appliances that meet the requirements of the Water Supply (Water Fittings) Regulations 1999 <a href="#">Regulator's Specification for WC Suites</a>, as set out in section 4 (see page 2 of this section), and have an Effective Flush volume of 4.5 litres or less may be eligible for an ECA.</p>
54.	Glazing	-	<ul style="list-style-type: none"> <li>• New build including extensions (domestic and non-domestic) – window U-value to be at least 1.8 W/m<sup>2</sup>K. This is as per Good Practice Guide 79 'Energy Efficiency in New Housing – A Guide to Achieve Best Practice'.</li> <li>• Refurbishment (domestic and non-domestic) – window U-value to be at least 2.0 W/m<sup>2</sup>K. As per Good Practice Guide CE 83 'Energy Efficient Refurbishment of Existing Housing'.</li> </ul>	MTP's Evidence Base.