## Purpose
The document is intended for use by end-of-life recyclers or treatment facilities. It provides the basic instructions for the disassembly of HP products to remove components and materials requiring selective treatment, as defined by EU directive 2002/96/EC, Waste Electrical and Electronic Equipment (WEEE).

### 1.0 Items Requiring Selective Treatment

1.1 Items listed below are classified as requiring selective treatment.

1.2 Enter the quantity of items contained within the product which require selective treatment in the right column, as applicable.

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Notes</th>
<th>Quantity of items included in product</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printed Circuit Boards (PCB) or Printed Circuit Assemblies (PCA)</td>
<td>With a surface greater than 10 sq cm</td>
<td>2 or 3 (main sys bd, 1 or 2 power supply)</td>
</tr>
<tr>
<td>Batteries</td>
<td>All types including standard alkaline and lithium coin or button style batteries</td>
<td>1</td>
</tr>
<tr>
<td>Mercury-containing components</td>
<td>For example, mercury in lamps, display backlights, scanner lamps, switches, batteries</td>
<td></td>
</tr>
<tr>
<td>Liquid Crystal Displays (LCD) with a surface greater than 100 sq cm</td>
<td>Includes background illuminated displays with gas discharge lamps</td>
<td></td>
</tr>
<tr>
<td>Cathode Ray Tubes (CRT)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Capacitors / condensers (Containing PCB/PCT)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height</td>
<td>5, 2, or 7 depending on power supply</td>
<td></td>
</tr>
<tr>
<td>External electrical cables and cords</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gas Discharge Lamps</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plastics containing Brominated Flame Retardants</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Components and parts containing toner and ink, including liquids, semi-liquids (gel/paste) and toner</td>
<td>Include the cartridges, print heads, tubes, vent chambers, and service stations.</td>
<td></td>
</tr>
</tbody>
</table>
Components and waste containing asbestos

Components, parts and materials containing refractory ceramic fibers

Components, parts and materials containing radioactive substances

2.0 Tools Required

List the type and size of the tools that would typically be used to disassemble the product to a point where components and materials requiring selective treatment can be removed.

<table>
<thead>
<tr>
<th>Tool Description</th>
<th>Tool Size (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description #1 Phillips screwdriver</td>
<td></td>
</tr>
<tr>
<td>Description #2 Dikes</td>
<td></td>
</tr>
<tr>
<td>Description #3 Torx screwdriver</td>
<td>T-15</td>
</tr>
<tr>
<td>Description #4</td>
<td></td>
</tr>
<tr>
<td>Description #5</td>
<td></td>
</tr>
</tbody>
</table>

3.0 Product Disassembly Process

3.1 List the basic steps that should typically be followed to remove components and materials requiring selective treatment:

1. To remove the computer cover (see Figure 1):
   a. Press the buttons on the left and right sides of the computer (1).
   b. Slide the computer cover towards the front of the computer until it stops (2), and then lift it up and off the chassis.
2. Remove or cut all expansion cards, cables, wires, and any other devices from the system board.
3. To remove the power supply:
   a. Remove the security clip (see Figure 2).
   b. Rotate the drive cage up and disconnect the power cables from all of the drives.
   c. Release the power supply cable from the cable retaining clips on the bottom of the chassis under the drive cage.
   d. Disconnect the hood sensor from the system board and remove the sensor from the power supply if required (see Figure 3).
   e. Rotate the power supply to its full upright position (1), and then lift the power supply straight up and out of the chassis (2). (see Figure 4)
4. To remove the system board (see Figure 5):
   a. Remove the long mounting screw that secures the system board tray to the chassis.
   b. Slide the system board tray assembly toward the front of the chassis, about 6 mm (1/4 inch) and lift the system board up and out of the chassis (see Figure 6).
5. To remove the battery:
   Locate the battery and battery holder on the system board. Depending on the type of battery holder on the system board, complete the following instructions to remove the battery
   TYPE 1 BATTERY HOLDER (see Figure 7):
   Lift the battery out of the holder.
   TYPE 2 BATTERY HOLDER (see Figure 8):
   To release the battery from its holder, squeeze the metal clamp that extends above one edge of the battery. When the battery pops up, lift it out.
   TYPE 3 BATTERY HOLDER (see Figure 9):
   Pull back on the clip that holds the battery in place, and then remove the battery.
6. To remove the power supply PCA:
   HP uses three different power supplies from two different vendors in these computers. Use the following steps to determine which power supply you have and its required disassembly procedures.
   POWER SUPPLY 1
   a. Remove three screws from the top the power supply (see Figure 10).
   b. Remove the one screw from the back of the power supply (see Figure 10).
   c. Remove the one screw from the front of the power supply (see Figure 11).
   d. Cut the plastic tie that secures the wires to the cover (see Figure 11).
   e. Remove the top cover from the power supply by sliding it toward the back of the power supply to disengage the clips that secure the cover to the power supply.
f. Remove the side cover by rotating the cover to disengage the tabs that secure the side cover into the power supply chassis, and then sliding the cover toward the front of the power supply.
g. Cut the wires from the PCA.
h. Remove the three screws that secure the PCA to the power supply chassis (see Figure 12).
i. Remove the power supply PCA from the power supply.
j. Cut the five capacitors as shown in Figure 13.

7. POWER SUPPLY 2
a. Remove one screw from the back the power supply (see Figure 14).
b. Remove the three screws from the top of the power supply (see Figure 15).
c. Remove the one screw from the front of the power supply (see Figure 15).
d. Cut the plastic tie that secures the wires to the cover (see Figure 15).
e. Remove the top cover from the power supply by sliding it toward the back of the power supply to disengage the clips that secure the cover to the power supply.
f. Remove the side cover by rotating the cover to disengage the tabs that secure the side cover into the power supply chassis, and then sliding the cover toward the front of the power supply.
g. Cut the wires from the PCA.
h. Remove the three screws that secure the PCA to the power supply chassis (see Figure 16).
i. Remove the power supply PCA from the power supply.
j. Cut the small PCA from the large power supply PCA (see Figure 17).
k. Cut the two capacitors as shown in Figure 17.

8. POWER SUPPLY 3
a. Remove six screws from the top the power supply (see Figure 18).
b. Remove the one screw from the front of the power supply (see Figure 18).
c. Remove the two screws from the back of the power supply (see Figure 19).
d. Cut the plastic tie that secures the wires to the cover (see Figure 19).
e. Remove the top cover from the power supply by sliding it toward the back of the power supply to disengage the clips that secure the cover to the power supply.
f. Remove the side cover by rotating the cover to disengage the tabs that secure the side cover into the power supply chassis, and then sliding the cover toward the front of the power supply.
g. Cut the wires from the PCA.
h. Remove the four screws that secure the PCA to the power supply chassis (see Figure 20).
i. Remove the PCA from the power supply.
j. Cut the seven capacitors as shown in Figure 21.

3.2 Optional Graphic. If the disassembly process is complex, insert a graphic illustration below to identify the items contained in the product that require selective treatment (with descriptions and arrows identifying locations).
FIGURE 1: Removing the computer cover

FIGURE 2: Removing the security clip

FIGURE 3: Removing the hood sensor
FIGURE 4: Removing the power supply

FIGURE 5: Removing the system board screw

FIGURE 6: Removing the system board
FIGURE 7: Type 1 battery holder

FIGURE 8: Type 2 battery holder

FIGURE 9: Type 3 battery holder
FIGURE 10: Power supply 1 – Cover screw locations

FIGURE 11: Power supply 1 – Cover screw and plastic tie locations
FIGURE 12: Power supply 1 – PCA screw locations

FIGURE 13: Power supply 1 – Capacitors to cut (5)
FIGURE 14: Power supply 2 – Cover screw location

FIGURE 15: Power supply 2 – Cover screw and plastic tie locations
FIGURE 16: Power supply 2 – PCA screw locations

FIGURE 17: Power supply 2 – Capacitors (2) and small PCA (1) to cut
FIGURE 18: Power supply 3 – Cover screw locations

FIGURE 19: Power supply 3 – Cover screw and plastic tie locations
FIGURE 20: Power supply 3 – PCA screw locations

FIGURE 21: Power supply 3 – Capacitors to cut (7)