## Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audience</td>
<td>4</td>
</tr>
<tr>
<td>Hospital Naming Conventions</td>
<td>4</td>
</tr>
<tr>
<td>Log onto Network</td>
<td>4</td>
</tr>
<tr>
<td>CPA Login Screen</td>
<td>5</td>
</tr>
<tr>
<td>OR Census</td>
<td>6</td>
</tr>
<tr>
<td>OR Census Toolbar</td>
<td>6</td>
</tr>
<tr>
<td>Searching Scheduled Patients</td>
<td>8</td>
</tr>
<tr>
<td>Intraop Record</td>
<td>11</td>
</tr>
<tr>
<td>Intraop screen orientation:</td>
<td>11</td>
</tr>
<tr>
<td>Intraop Toolbar</td>
<td>12</td>
</tr>
<tr>
<td>Starting a Case</td>
<td>13</td>
</tr>
<tr>
<td>Documenting IVs, Fluids, Medications, Infusions &amp; Blood</td>
<td>17</td>
</tr>
<tr>
<td>Non-script items, Graph and Grid</td>
<td>19</td>
</tr>
<tr>
<td>Manually entering data:</td>
<td>20</td>
</tr>
<tr>
<td>Creating Add-on cases</td>
<td>20</td>
</tr>
<tr>
<td>Ending a Case</td>
<td>22</td>
</tr>
<tr>
<td>Set Scripts as Favorites</td>
<td>25</td>
</tr>
</tbody>
</table>
Audience
This document contains an overview and descriptions for common tasks performed in the Anesthesia Information Management System (AIMS). It will assist Anesthesiologists in performing their day-to-day activities.

Introduction
The AIMS Reference Guide will assist you to do any of the following in CPA:
- Login to the system
- Search for a scheduled patient
- Start a case
- Document using script items such as IVs, fluids, medications and infusions and blood
- Locate non-script items
- Use the graph and grid
- Search for add-on patients
- Ending a case

Hospital Naming Conventions
Please identify the correct site abbreviation when searching for patients or confirming the right location and room (e.g. AB.OR1 would indicate Abbotsford Hospital Operating Room 1) for AIMS.

Site specific first two characters
- Abbotsford=AB
- SMH=SM
- JPOCSC=SU

Log onto Network
Press CTRL + ALT + Delete together or wiggle the mouse to bring up the sign-on screen.

Enter your Network ID and your Network password

Before opening CPA for the first time, be sure to change the date format of your profile in the network.

Click on Start > Settings > Control Panel > Regional and Language Options
Ensure English (Canada) is selected
Once this is done, it will not be done again. You can now open the CPA program by clicking on:
>Start
  > Programs
    > Centricity Perioperative Anesthesia
    > Anesthesia Application

**CPA Login Screen**
The CPA program will now open and a sign-on screen will pop-up
The Centricity Perioperative Anesthesia (CPA) login screen allows the user to log into the CPA Application and/or change password.

**OR Census**
The OR Census is a listing of all patients meeting the search criteria. Patients will populate primarily from the scheduling system. The Census consists of the following components:

- OR Census **Toolbar**
- OR Census **Display Area**
- OR Census **Search Fields**

**OR Census Toolbar**
Icons displayed will vary based on the role and privileges granted to that role.
<table>
<thead>
<tr>
<th>Icon</th>
<th>Specified Function to be performed</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Back" /></td>
<td>The “Back” icon is used to close the current screen and go back to the previous screen.</td>
</tr>
<tr>
<td><img src="image" alt="Log Out" /></td>
<td>The “Logout” icon logs off of the application and returns application to the logon screen.</td>
</tr>
<tr>
<td><img src="image" alt="Conversion" /></td>
<td>The “Conversion” icon is a conversion tool that can be used to convert between units of measure such as weight, temperatures and length.</td>
</tr>
<tr>
<td><img src="image" alt="New Case" /></td>
<td>The “New Case” icon starts a case for a patient including patient name, time of admittance, diagnosis, and scheduled staff on the case.</td>
</tr>
<tr>
<td><img src="image" alt="Meditech" /></td>
<td>The “Meditech” icon provides a link to the Meditech system.</td>
</tr>
<tr>
<td><img src="image" alt="MSP" /></td>
<td>The “MSP” icon provides a link to the MSP website.</td>
</tr>
<tr>
<td><img src="image" alt="PAT Clinic" /></td>
<td>Not currently active.</td>
</tr>
<tr>
<td><img src="image" alt="Unit" /></td>
<td>The “Unit” icon displays a list of units available to change the patient list to an alternate unit.</td>
</tr>
<tr>
<td><img src="image" alt="Monitor" /></td>
<td>The “Active Monitor Session” icon provides a list of all patients with active monitor sessions and the room. This will be available for Intraop use.</td>
</tr>
<tr>
<td><img src="image" alt="WorkList" /></td>
<td>The “Pending Worklist” icon sends the user to another census displaying the follow up items pending or needing additional attention. Not being used at this time.</td>
</tr>
<tr>
<td><img src="image" alt="Print" /></td>
<td>The “Printer” icon when selected on the OR Census will print the census content.</td>
</tr>
</tbody>
</table>
The “Refresh” icon provides a refresh or update to the screen of the most up-to-date data.

Searching Scheduled Patients

1. Select the correct date of surgery.
   - From Date: 18/01/2013
   - To Date: 18/01/2013
   - Reg Number: 

2. Identify the correct unit has been selected. Select your name in the Anes Attending or Anesthetist field. Click search and your scheduled patient list will appear for the selected date.

   Note: A different search process is used for add-on cases to identify the correct patient and visit.

3. Select your patient from the OR Census.
4. Select Intraoperative Record from the popup menu.

5. Confirm the correct unit and room. Select the correct script for the procedure.

**Note:** Once an initial script has been added, multiple scripts can be added to a case on the intraop screen.

---

1. This message may indicate that the room showing on the screen is not the room you are in and another patient is currently connected to the monitor in the room you have selected. Change the room if this is the case. This may also indicate that the previous patient’s documentation has not been completed and the monitor capture is continuing. Go to step 2 below in this case.

   * Another patient is receiving vital signs from this location right now, please verify you have the correct room.
2. Go to the Census and click on the Monitor button to see which case is active for the monitor capture. Select the case and click End Monitor Session. Return to the intraoperative documentation for your case and start the monitor session.

3. In order to start a monitor session in a room where you have just ended one you must increase the time by one minute. When you click start, you will receive the following message informing you that there will be an overlap of time if you start the monitor session. Click OK.

4. Click Start on the ‘Device Manager’ screen.

On the ‘Observation time’ screen, select +1 to increase the time by one minute. You will then get confirmation that the device session has started.
Intraop Record

Intraop screen orientation:

- **Patient Banner** – This information can be populated by the Patient Manager popup button from the OR Census or the "Pat Info" button on the Intraop Toolbar. Information includes: height, weight, allergies, procedure, and diagnosis.
- **Intraop Toolbar** – Access to documentation items not in the script.
- **Grid** – Consists of 4 tabs
  - Meds – All documented meds and infusions to display on this tab along with a running total of amounts administered.
  - Monitors – Monitor populated data as well as user documented values related to the monitor data.
  - I/O – Fluid inputs and outputs such as IV fluids, blood and urine.
  - Flows – Gas inputs and outputs such as anesthetic agents, O₂ and N₂O.
- **Graph** – Monitor populated data defined to appear.
- **Event History** – Narrative of all script items documented.
- **Script & Script Objects** – The documentation elements typically used for the type of script selected.
### Intraop Toolbar

<table>
<thead>
<tr>
<th>Specified Function to be performed</th>
<th>Icon</th>
</tr>
</thead>
<tbody>
<tr>
<td>The “Script” icon is used to reset the script list display.</td>
<td><img src="image" alt="Script" /></td>
</tr>
<tr>
<td>The “Find” icon is used to search for available documentation shortcuts regardless of category.</td>
<td><img src="image" alt="Find" /></td>
</tr>
<tr>
<td>The “Other” icon displays a window for free text to be documented.</td>
<td><img src="image" alt="Other" /></td>
</tr>
<tr>
<td>The “Medications” icon is used to search medications.</td>
<td><img src="image" alt="Meds" /></td>
</tr>
<tr>
<td>The “Infusions” icon is used to search infusions.</td>
<td><img src="image" alt="Infusion" /></td>
</tr>
<tr>
<td>The “Fluids” icon is used to search fluids.</td>
<td><img src="image" alt="Fluids" /></td>
</tr>
<tr>
<td>The “Outputs” icon is used to search outputs.</td>
<td><img src="image" alt="Output" /></td>
</tr>
<tr>
<td>The “Blood” icon is used to search blood products.</td>
<td><img src="image" alt="Blood" /></td>
</tr>
<tr>
<td>The “Sites” icon allows for documentation for vascular or arterial access.</td>
<td><img src="image" alt="Sites" /></td>
</tr>
<tr>
<td>The “Mark Time” icon enters a time stamp on the documentation as a place holder for an event that can be documented at a later time.</td>
<td><img src="image" alt="Mark" /></td>
</tr>
<tr>
<td>The “All Time Events” icon displays critical time events in the sequence.</td>
<td><img src="image" alt="Anesthesia Start" /></td>
</tr>
</tbody>
</table>
The “Alerts” icon displays the Timer and Alert Manager window. If there are active timers, this will display in green.

The “Patient Info” icon displays the Patient Manager window which allows for documentation of patient.

**Note:** This button is yellow when the Procedure and Diagnosis fields have not been charted.

Not currently active.

The “Chart” icon provides a pop-up menu for navigation to other areas of the application.

The “MSP” icon provides a link to the MSP website.

The “Edit/Addendum” icon allows edits to be made to documentation after the case has been locked. Addendum will only be displayed if case has been locked.

The “Sign-In” icon displays a list of anesthesia providers assigned to the case or have previously signed into a case, a search option, and history access.

The “Logout” icon logs off of the application and returns application to the logon screen.

The “Close” icon returns user to the OR Census screen.

### Starting a Case:

---

**Alerts**

**Pat Info**

**Paging**

**Chart**

**MSP**

**Edit**

**Sign-In**

**Logout**

**Close**
1. Sign-in using the sign-in icon from the intraop toolbar.

2. Enter patient information and ASA status into the Patient Manager by using the patient info icon. Allergies can also be entered on this screen or by selecting the allergy area on the patient banner.

Note: Entering the weight at the beginning of the case allows for weight-based infusions to be used during the case.
3. If needed, the script can be switched or added to by selecting the ellipsis beside the script title.

4. Start case by selecting the script items to be documented. They are listed in the order they are usually performed or documented.

5. Confirm OR unit and room.
   Note: Accurate device capture depends on the correct room selection.

6. Selecting the Patient In Room script item will start the device capture. The device notification
will go from inactive, to unknown and then to active.

**Note:** Device capture takes 5 minutes to appear on the grid.

7. Selecting the ellipsis (…) button next to a script item, provides the option to remove the item from the script, alter the time for documenting the script item or produce an “other” option, depending on the script item.

8. To edit or delete a script item after it has been selected, click in the Event History box. The Notes/Events During Case Script will appear. From this script, select the ellipsis for the documented script item and choose delete.

**Note:** If the documented script item is deleted after 5 minutes it requires a reason for deletion.
1. Selecting the Peripheral IV script item allows the user to enter IV details. New or additional sites can be added by using the Sites icon in the intraop toolbar.

2. Fluids can be documented by using a script item or the Fluids icon in the intraop toolbar.

Note: All subsequent doses should be charted by selecting the fluid from the grid.
3. Medications can be documented by using a script item or the Meds icon in the intraop toolbar.

Note: All subsequent doses should be charted by selecting the medication from the grid.

4. Infusions can be documented by using a script item or the Infusion icon in the intraop toolbar.

Note: At the end of the case the rate will be automatically stopped and calculated.

5. The Blood icon in the intraop toolbar is used to document blood products.

Note: Blood products can be entered as a volume or unit.
## Non-script items, Graph and Grid

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1.</strong> Milestone times button will show the next milestone in the case. This can be used to create a time stamp for several events to be documented after the fact.</td>
<td>Anesthesia Start</td>
</tr>
<tr>
<td><strong>2.</strong> The Find icon can be used to search for items that may not appear in the script but are commonly documented items.</td>
<td>Find</td>
</tr>
<tr>
<td><strong>3.</strong> The Other icon can be used to document free text if an item cannot be found.</td>
<td>Other</td>
</tr>
<tr>
<td><strong>4.</strong> The graph captures vital sign data in 5 minute increments.</td>
<td><img src="image" alt="Graph" /></td>
</tr>
</tbody>
</table>

**Note:** The Config icon allows customization of the graph display.
5. The grid consists of four tabs: medications, monitors, I/Os and flows. Grid items can be selected for documentation.

**Manually entering data:**
If there is a need for a user to manually enter data that is typically populated from the monitor, the user can access the cell screen above. Enter the desired data in the Value field and select the Record button.

**Manually entering data onto the grid is mandatory for all sites except for ARH.** The following fields will have to be entered manually:
- TOF
- Rate Setting
- PEEP CPAP monitored
- State Entropy
- Fresh Gas Flow l/min (x10)
- Oxygen l/min

**Creating Add-on cases**

1. Click the New Case icon in the census

2. Select Manual admit with link and click on Link
3. Enter the patient’s MRN (unit #) or the patient name and click Search. Select the correct patient and visit number. Then click on Link.

4. If there are no patient visits, or the correct visit does not display, select Quick-start case.

4. Enter the room the case is to be done in, the procedure to be done, as well as the diagnosis. If this is a quick start case – enter the visit number from the chart or arm-band to ensure reconciliation post-operatively.

5. Click on Record
Ending a Case

1. Click the Chart Icon in the intraop desktop and then select Patient Manager to document the actual procedure performed.

2. If the procedure performed is not the same as the procedure description displayed, highlight the procedure description and click delete. Next, click on Add.

3. Enter a partial description of the actual procedure performed (e.g. knee) and press <enter>. Scroll through the list displayed to find the correct procedure. You may need to add several procedures to capture the entire surgical event.

4. Click on the I/O tab on the
right side of the grid to complete the I/O documentation. Click on each of the fluids and outputs and complete the popup screen for each.

5. Select Patient Out of Room to end monitor capture

6. Select Patient transported to __ and choose patient’s post-op location.

<table>
<thead>
<tr>
<th>Time</th>
<th>Value</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:15 03/04/2013</td>
<td>0 ml</td>
<td></td>
</tr>
</tbody>
</table>

**Estimated blood loss (ml)**

**Volume:** [0] ml

**Action:**
- Chart
- Update

**Time:**
12:40 05/04/2013
7. Postop vital signs will be documented in PACU.

8. Select Anesthesia End.

Note: Selecting this script item will print the intraop record and sign you out of the case.

10. Select Lock to finish all documentation on a case.

Any further documentation after the lock will require an addendum.
Set Scripts as Favorites

1. While in the case start up wizard, or from Switch or Add scripts intraoperatively, select the script you want to mark as your favorite. Then click on the blue push pin in the top right corner.
2. Your favorites will appear under your name at the top of the script selection box. This will continue to display each time you sign in until you change it.