UniCel® DxC 600i
Daily Start Up

For Training Purposes Only

The job aids included here are shortened versions of the procedures. Please refer to the sources listed below for the complete detailed procedures and all precautions. Information included here is correct as of the date published. Always verify you have current information before proceeding.

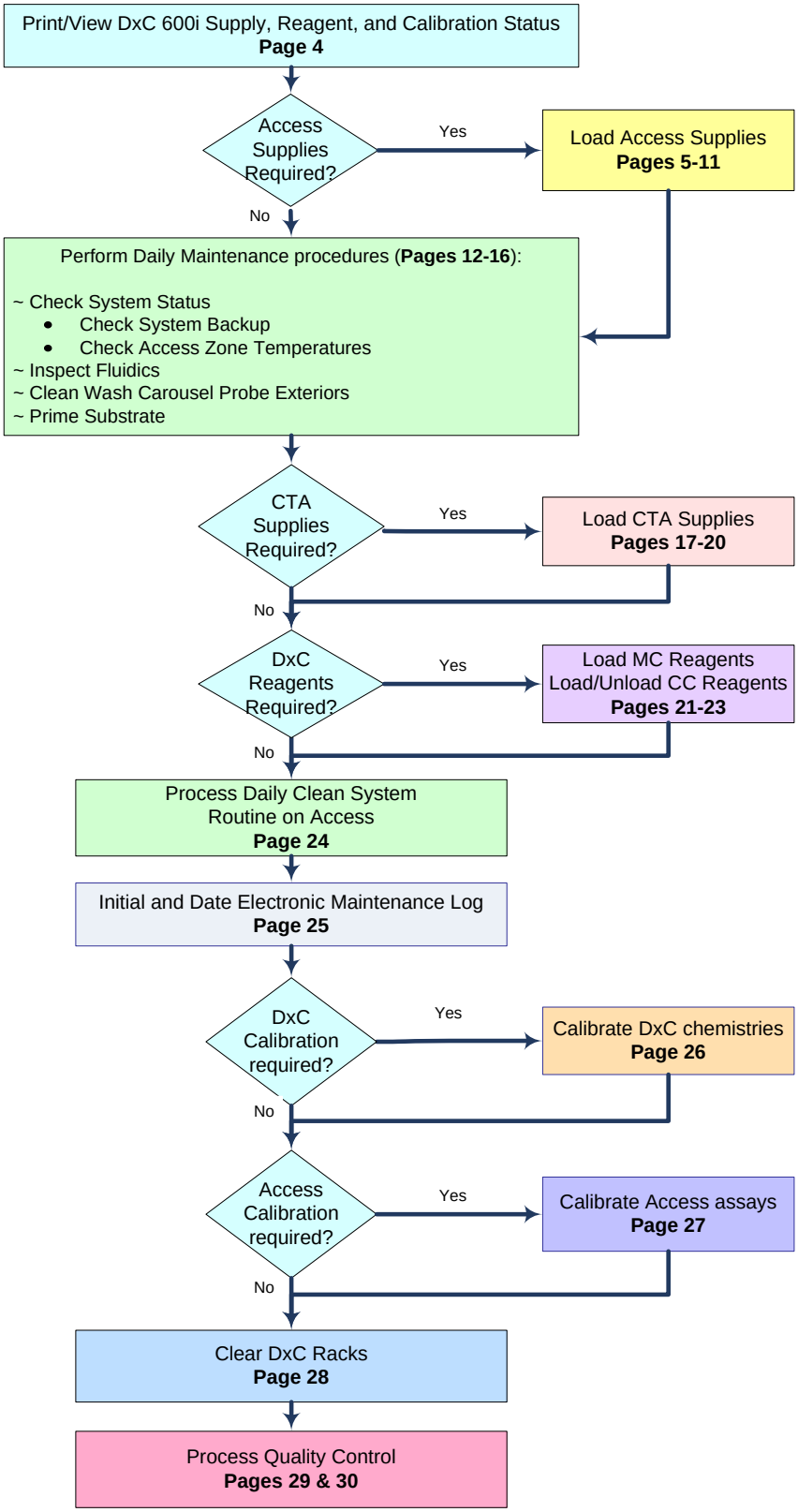
Source:

UniCel® DxC 600i Synchron® Access Clinical Systems
Instructions for Use
PN A93695
Version AA, October 2010

UniCel® DxC Synchron® Clinical Systems
Instructions for Use
PN A93719
Version AA, October 2010

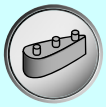
Access 2 Help
Version i6.0.05

DxC 600i Daily Start Up



Print DxC 600i Supply, Reagent and Calibration Status

Select **Rgts/Cal** from the DxC 600i monitor



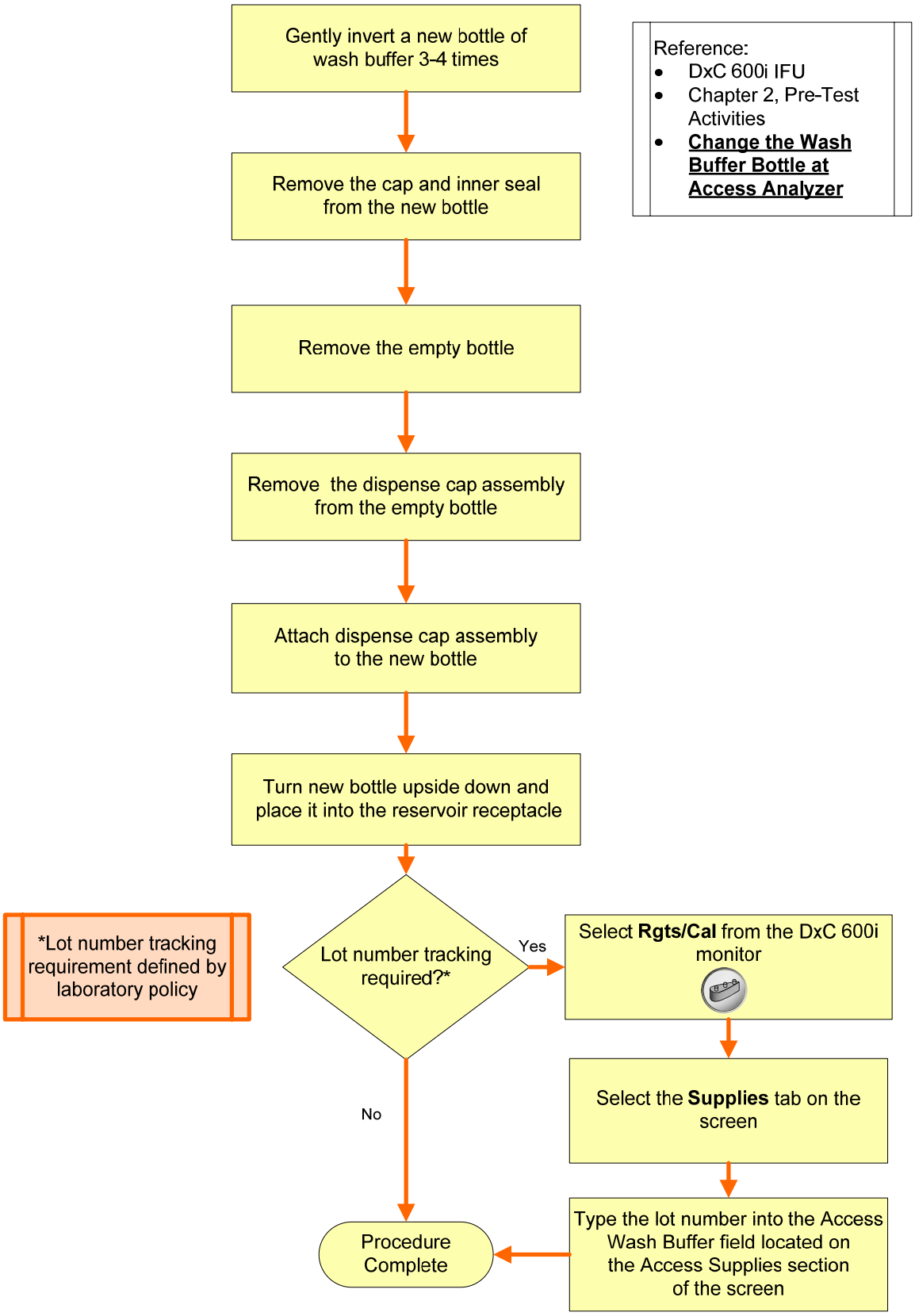
Select **PRINT [F10]**

Review the printed document for available reagent volume, expiration dates and calibration status of DxC reagents, Access reagent and CTA/Access supplies

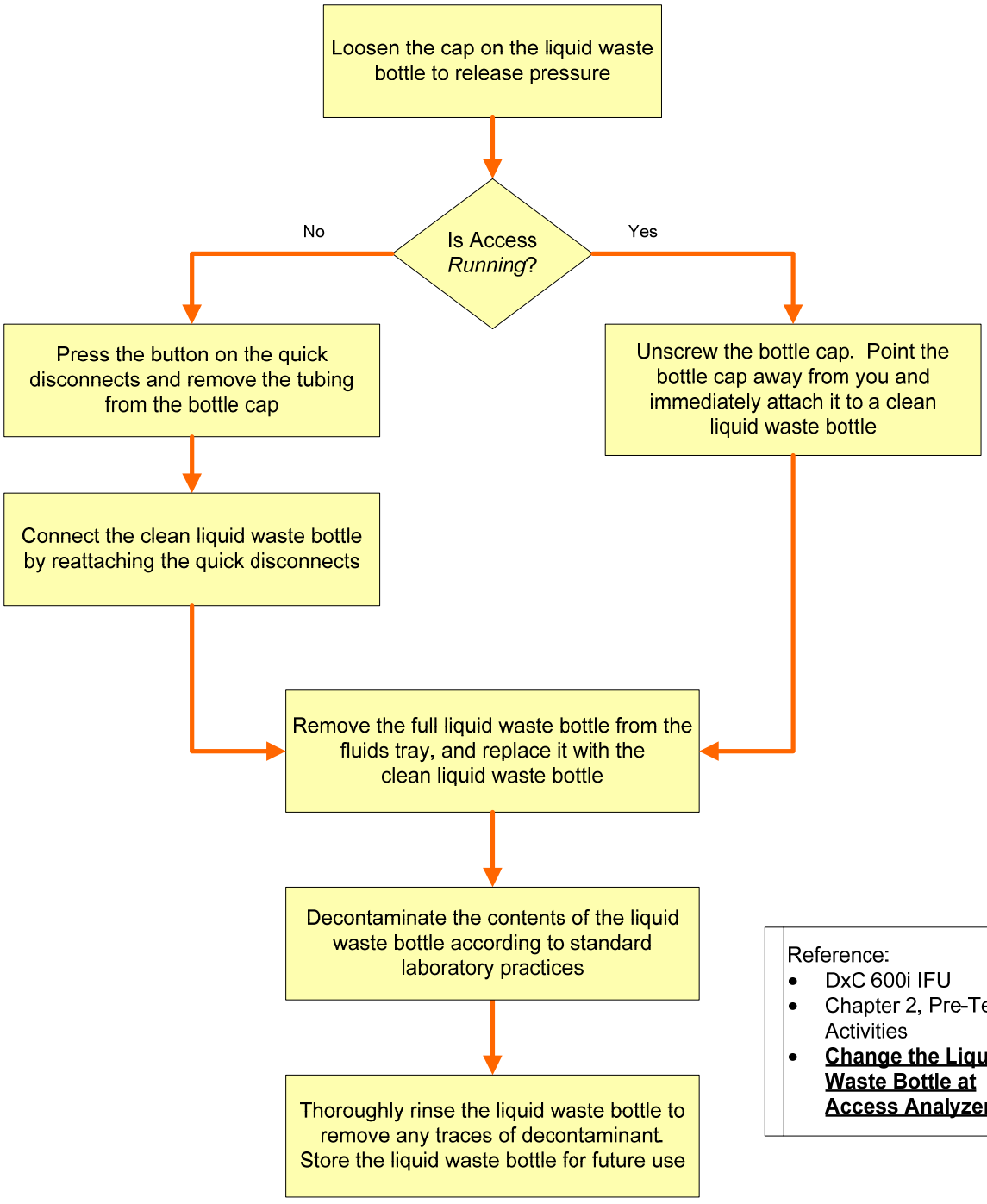
Reference:

- DxC 600/800 IFU
- Chapter 4, Reagent Load/Calibration
- Reagent Load
- **Pre-Run Checklist**

Change Access Wash Buffer



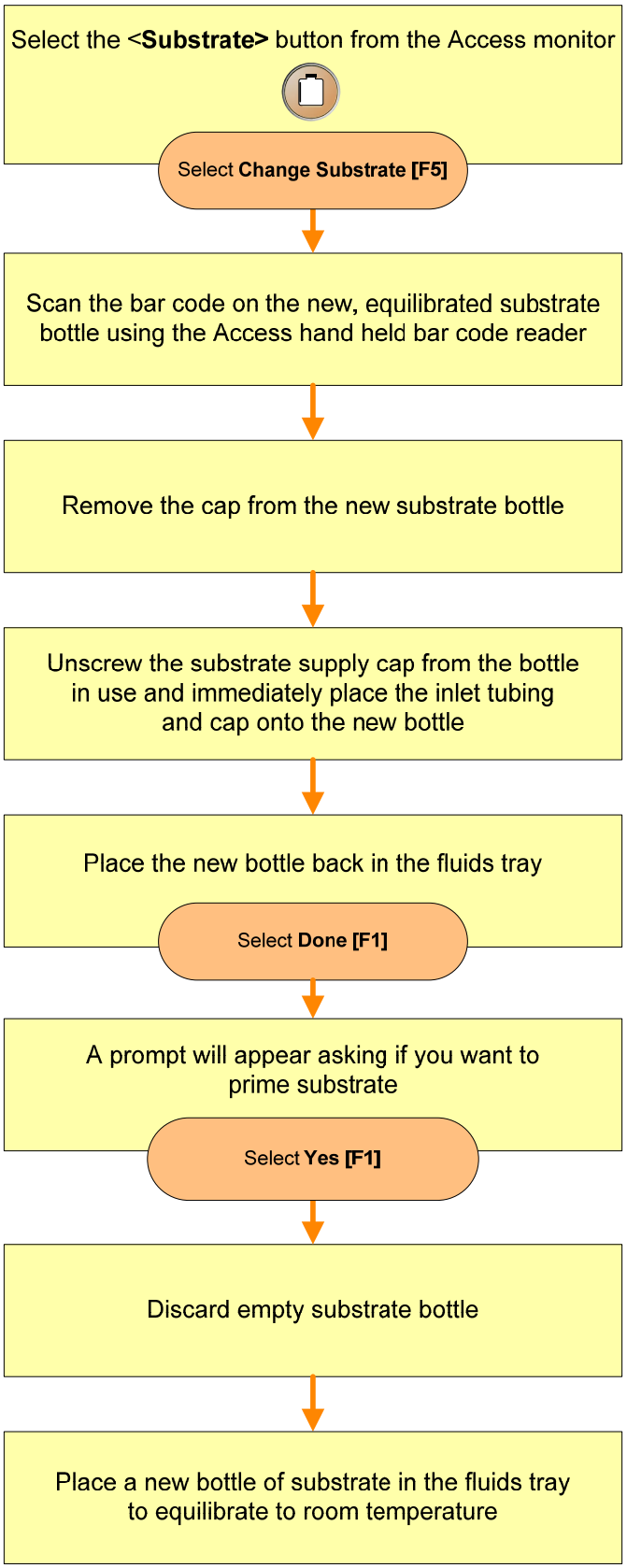
Empty Access Liquid Waste



Reference:

- DxC 600i IFU
- Chapter 2, Pre-Test Activities
- **Change the Liquid Waste Bottle at Access Analyzer**

Change Substrate



Note:
Access must be in READY mode to change substrate

Reference:
- DxC 600i IFU
- Chapter 2, Pre-Test Activities
- **Change the Substrate Bottle at Access Analyzer**

Load Access RVs

Select the **<RV>** button from the Access monitor

Select **Load RVs [F4]**

Press the RVs onto the spine, then remove the protective covering from the RV cartridge

Open the RV Supply and RV Load doors

When the screen prompts you to load the RVs, place the RV cartridge in the RV supply area. Press down firmly on the RV load door to release the RVs from the spine

Open the RV load door and remove the spine. Verify that all vessels are present, standing upright, and not protruding upward

Close the RV Load and RV Supply doors

Select **Done [F1]**

Reference:

- DxC 600i IFU
- Chapter 2, Pre-Test Activities
- **Load the Reaction Vessel (RV) Cartridges onto Access Analyzer**

Note: If quantity of RVs is <28, Access must be in READY mode to load RVs

Change Access Reaction Vessel Waste Bag

Select the **<RV Waste>** button from the Access monitor

Select **Change RV Waste Bag [F6]**

Open the RV Supply door

Unfold a new waste bag; grasp its sides, and pull gently to expand it

Remove the old waste bag, seal it, and discard according to standard laboratory practices

Place the new waste bag in position by sliding the plastic collar on the bag into the slot on the waste chute. Ensure the collar is firmly seated

Close the RV Supply door

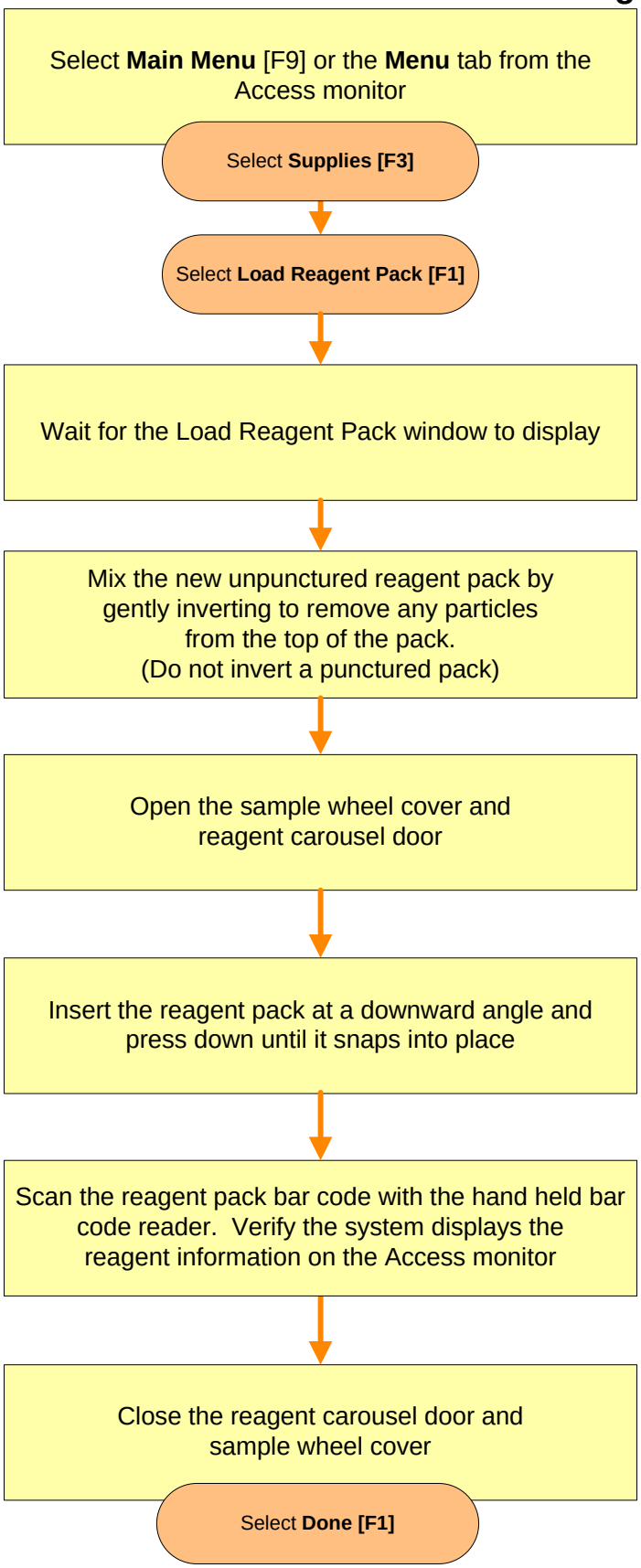
Select **Done [F1]**

Reference:

- DxC 600i IFU
- Chapter 2, Pre-Test Activities
- **Change the RV Waste Bag at Access Analyzer**

Caution
When the system is running, it may eject RVs into the RV waste bag. If the system is running when you change the RV waste bag, wait until you hear an RV eject and you will have 36 seconds to change the bag

Load Access Reagent

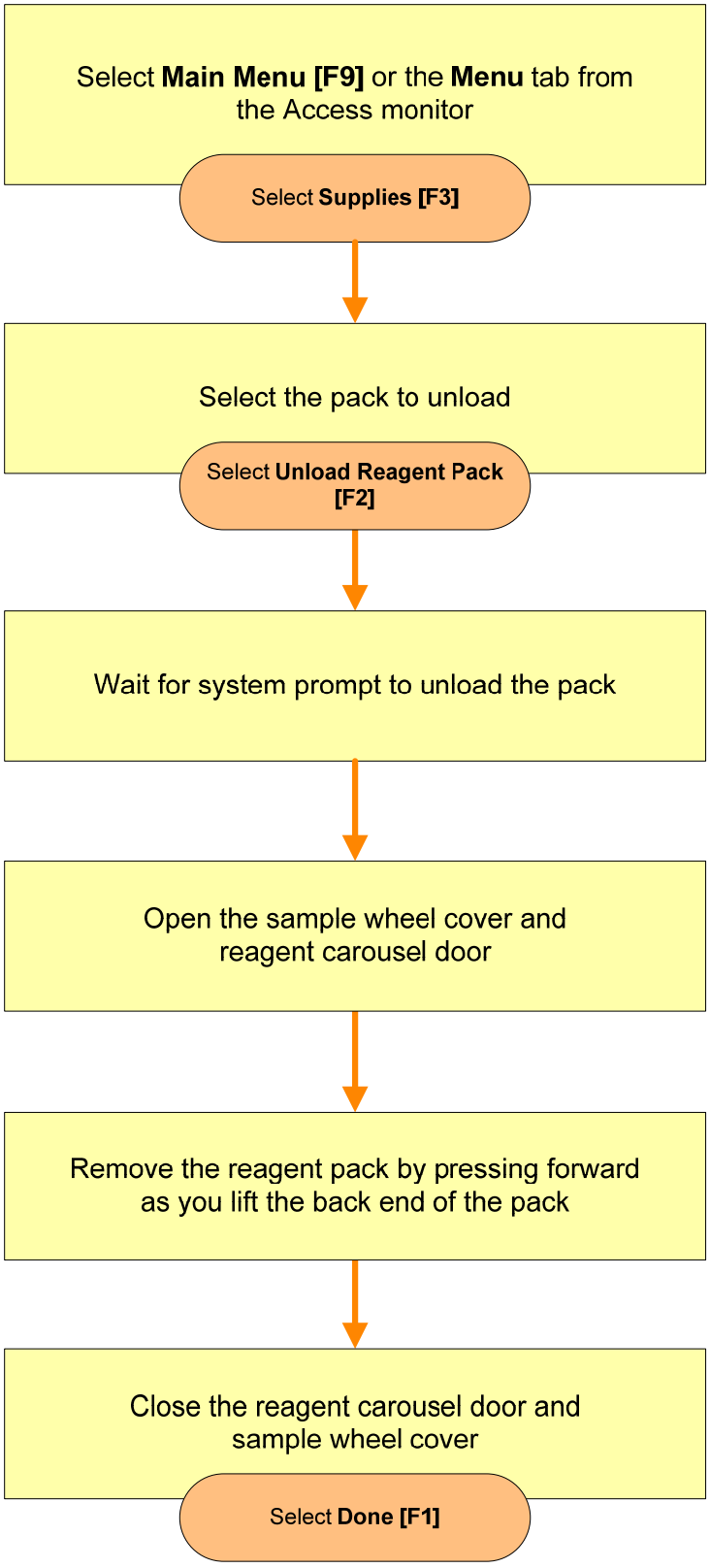


Reference:

- DxC 600i IFU
- Chapter 2, Pre-Test Activities
- **Load a Reagent Pack onto Access Analyzer**

Warning: Do NOT move a partially used reagent pack from one Access system to another. It will be inventoried as a full pack and inaccurate results may occur.

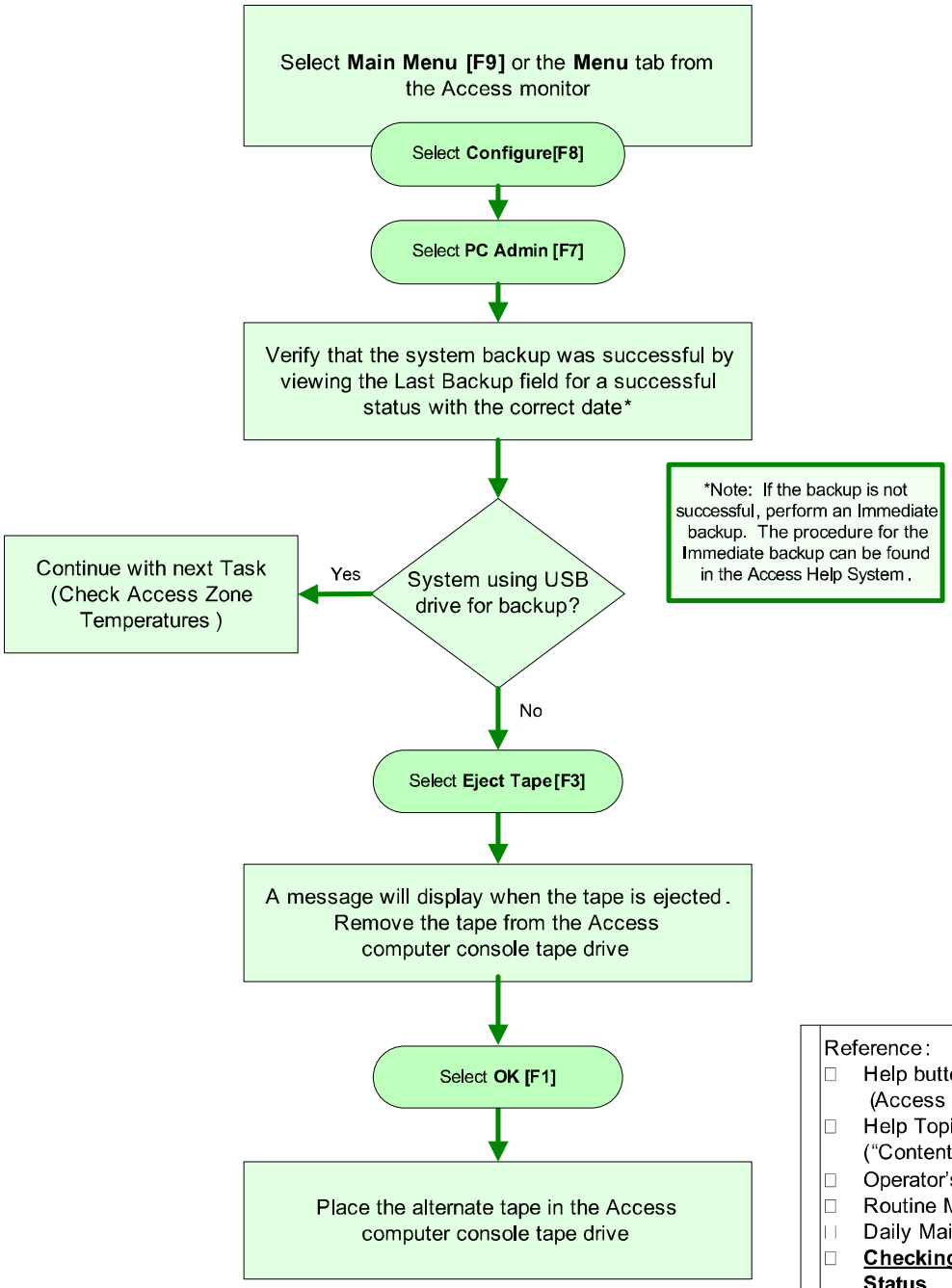
Unload Access Reagent



Reference:

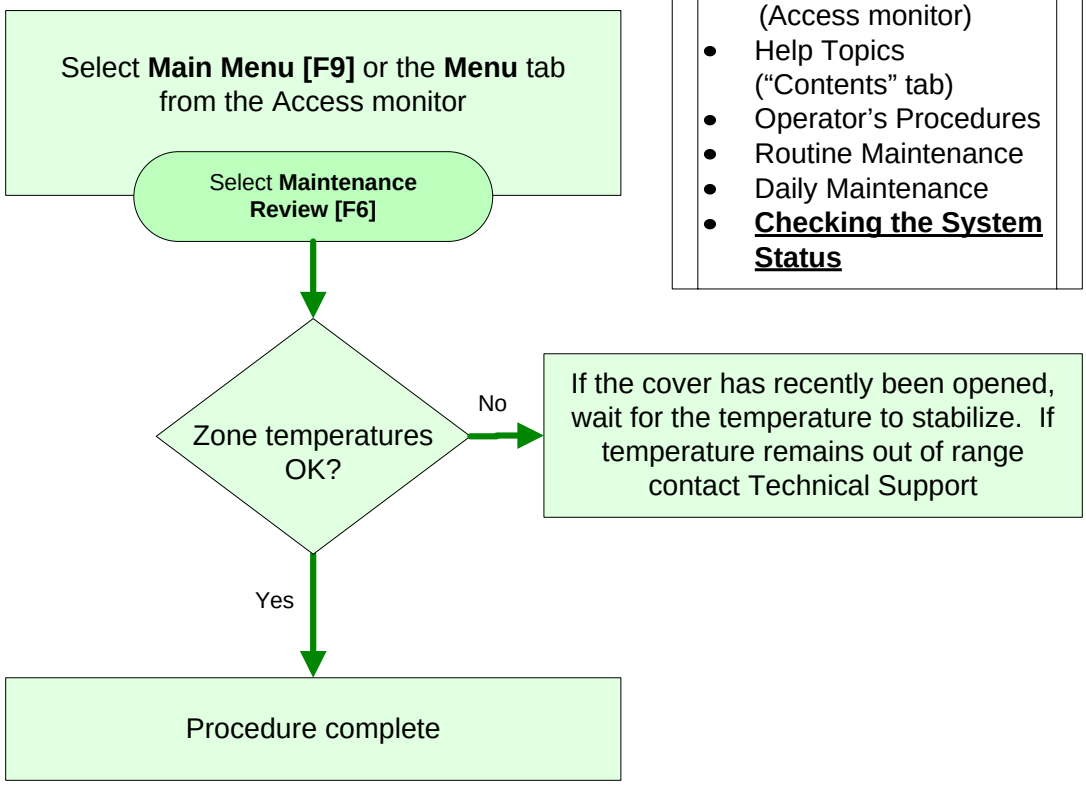
- DxC 600i IFU
- Chapter 2, Pre-Test Activities
- Load a Reagent Pack onto Access Analyzer
- **Unload the Reagent Pack**

Check Access System Backup

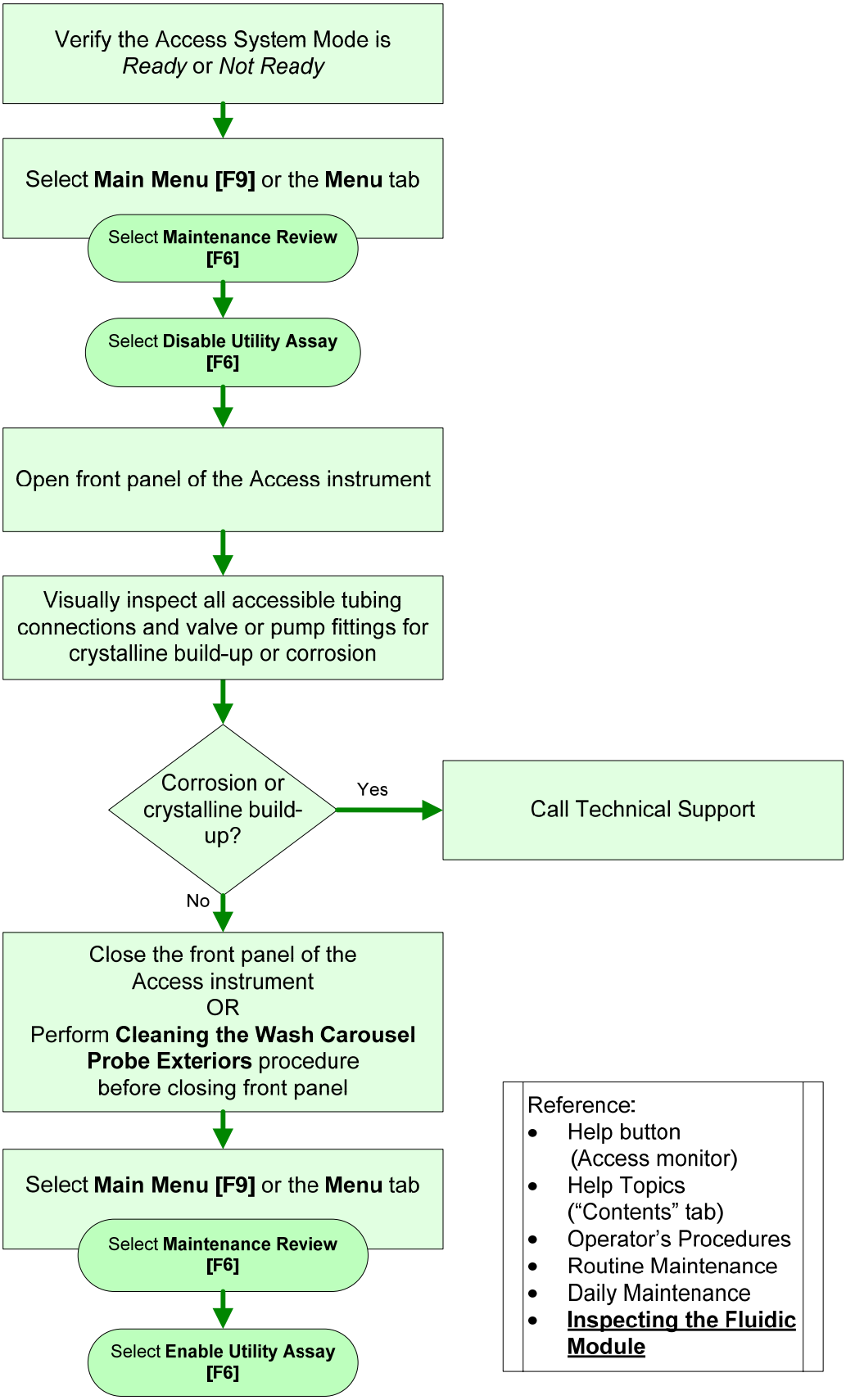


Reference:
- Help button (Access monitor)
- Help Topics ("Contents" tab)
- Operator's Procedures
- Routine Maintenance
- Daily Maintenance
- **Checking the System Status**

Check Access Zone Temperatures



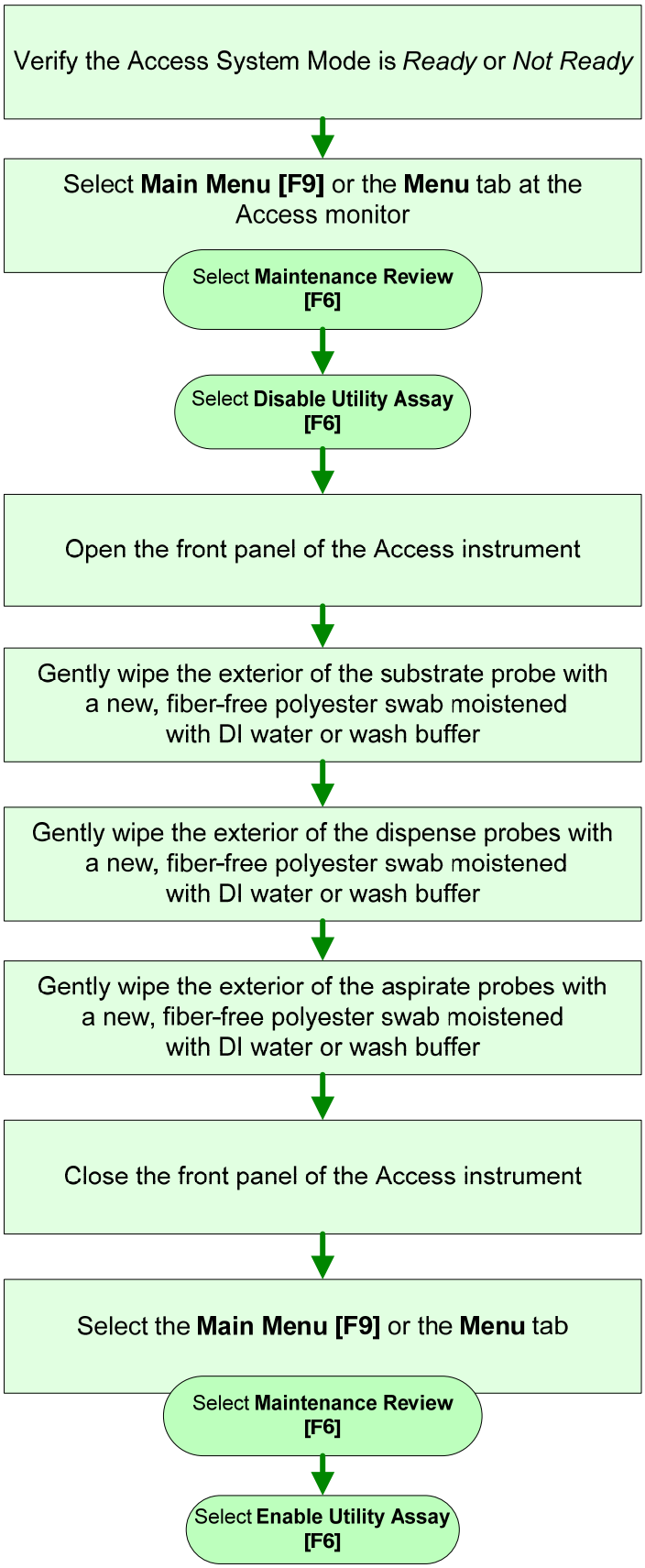
Inspect Access Fluidics



Reference:

- Help button (Access monitor)
- Help Topics ("Contents" tab)
- Operator's Procedures
- Routine Maintenance
- Daily Maintenance
- **Inspecting the Fluidic Module**

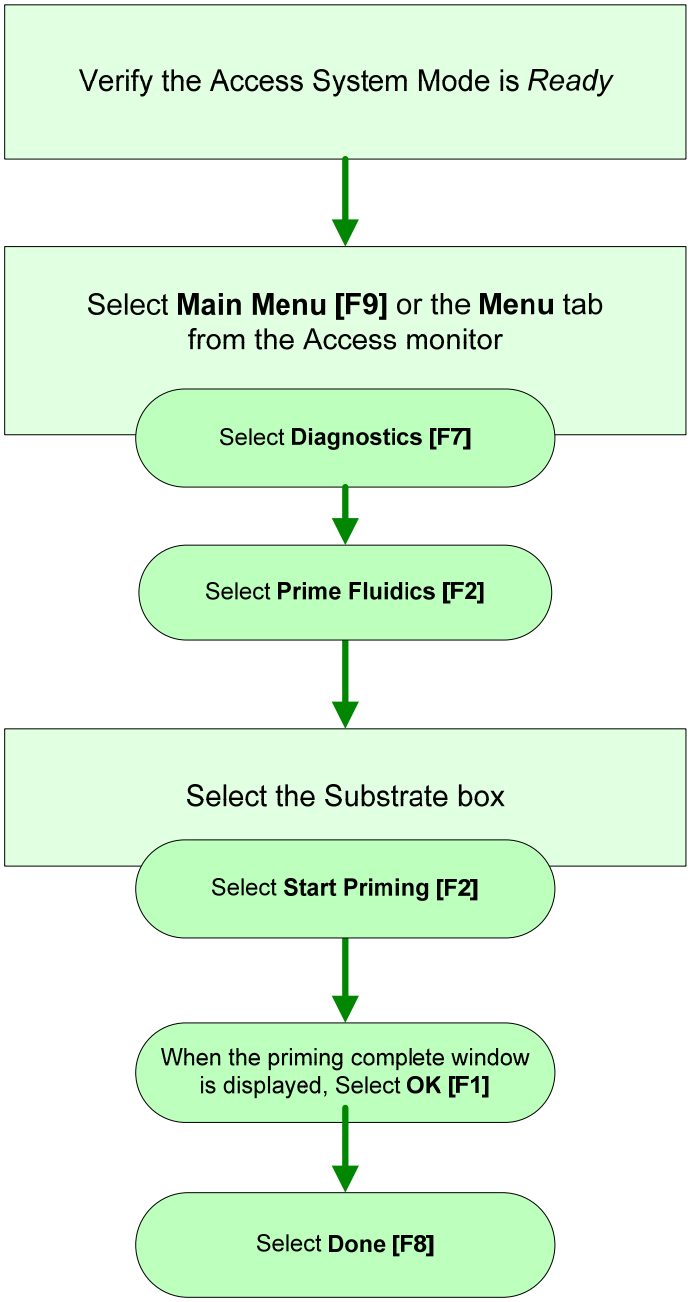
Clean Wash Carousel Probe Exteriors



Reference:

- Help button (Access monitor)
- Help Topics ("Contents" tab)
- Operator's Procedures
- Routine Maintenance
- Daily Maintenance
- **Cleaning the Wash Carousel Probe Exteriors**

Prime Substrate



Reference:

- Help button (Access monitor)
- Help Topics ("Contents" tab)
- Operator's Procedures
- Routine Maintenance
- Daily Maintenance
- **Priming the Substrate**

Load AVs at the CTA

Select **Rgts/Cal** from the DxC monitor

Select the **Supplies** tab

Select **AV Supply**

Select **Load [F1]**

Press the RVs onto the spine, then remove the protective covering from the RV cartridge

Open the AV Supply and AV Load doors

Place the AV cartridge in the AV storage rack. Press down firmly on the AV load door to release the AVs from the spine

Open the AV load door and remove the spine

Close the AV Load and AV Supply doors

Select **Done [F1]**

Reference:

- DxC 600i IFU
- Chapter 2, Pre-Test Activities
- Check and Load Supplies at CTA Unit
- **Load Aliquot Vessels (AV) Cartridges onto CTA Unit**

Change CTA AV Waste Container

Select **Rgts/Cal** from the DxC monitor

Select the **Supplies** tab

Select **AV Waste**

Select **Empty [F2]**

Open the CTA door and slide out the metal tray to gain access to the waste container

Open the metal lid of the AV waste container and remove the red waste bag and cardboard insert. Discard according to laboratory procedures

Place a new waste bag and cardboard insert into the container

Install the metal lid so it fits over the container shroud

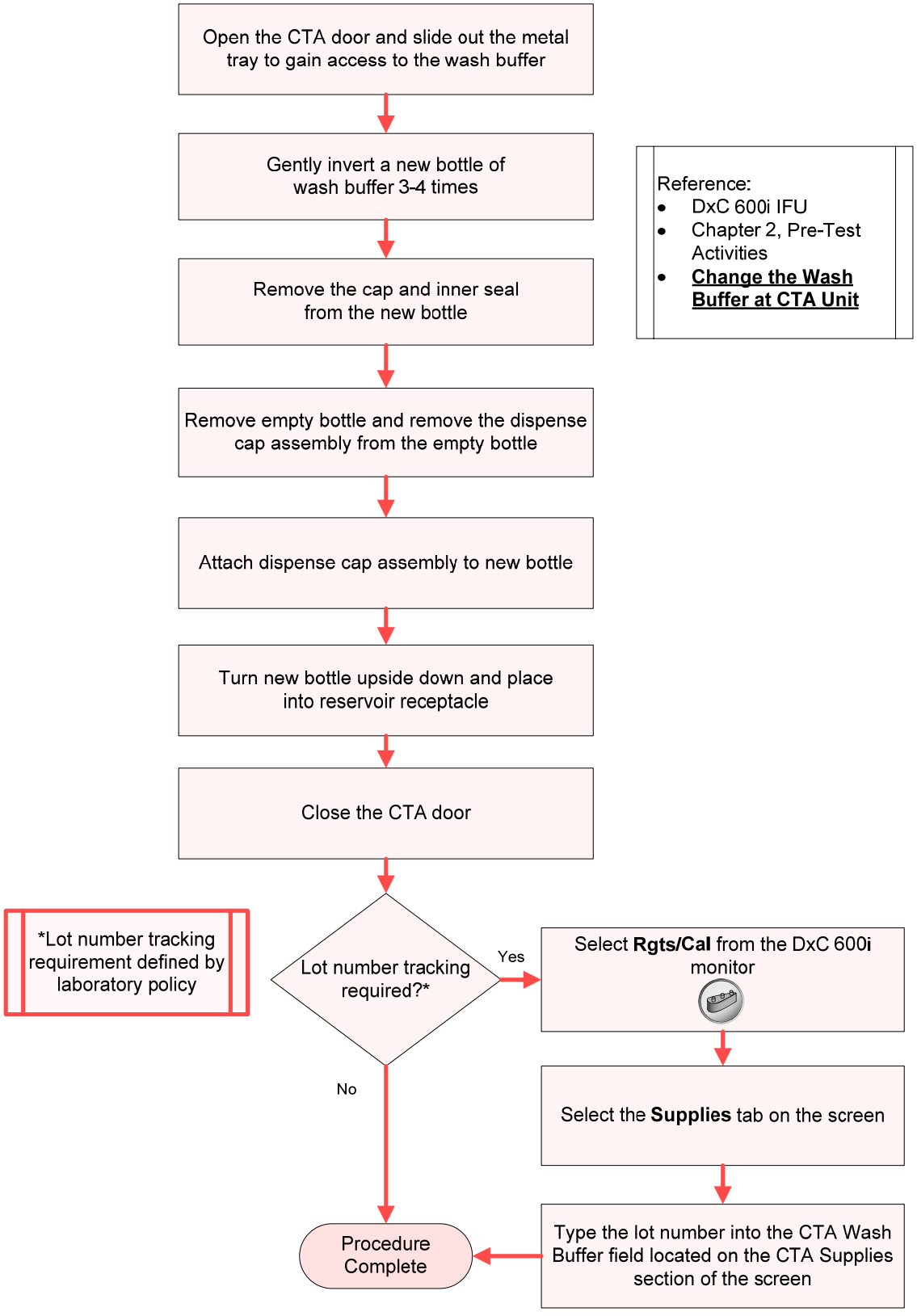
Slide the metal tray back into position. Make sure that the tray is all the way back against the AV chute

Close the CTA door

Reference:

- DxC 600i IFU
- Chapter 2, Pre-Test Activities
- **Change AV Waste Container at CTA Unit**

Change the CTA Wash Buffer



Change the CTA Auto-Gloss

Open the CTA door. The Auto-Gloss bottle is located on the bottom shelf

Unfasten the cap and remove the old Auto-Gloss bottle

Select **Rgts/Cal** from the DxC 600i monitor

Select the **Supplies** tab

Select the **CTA Auto-Gloss**

Select **Load [F1]**

Use the DxC hand held bar code reader to scan the bar code on the Auto-Gloss bottle when the Auto-Gloss data screen appears.
Verify the Auto-Gloss data is displayed

Place the new Auto-Gloss bottle on the system, and tighten the cap

Select **Done [F10]**

Reference:

- DxC 600i IFU
- Chapter 2, Pre-Test Activities
- **Change the Auto-Gloss Solution at CTA Unit**

Load MC Reagent

Prepare reagent(s) if required

Select **Rgts/Cal** from the menu bar

Select **DxC** tab

Select **MC Rgts**

Select **Load [F1]**

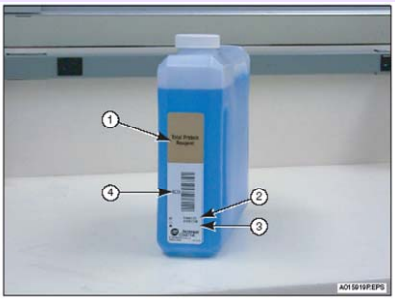
Open the MC reagent compartment door

Remove the cap and inlet tubing from the existing reagent and place it in the new reagent. Place the new bottle into the reagent storage area. Discard the old bottle according to laboratory procedures
Note: Take care not to contaminate the inlet tubing.

- Use the hand held bar code reader to scan the bar code label on the new reagent bottle/box.

OR

- Select reagent to manually load
- Select **Clear [F1]**
- Using the picture at the right as a reference, enter the following:
  - Lot number
  - Serial number
  - Expiration date
- Select the Tab key on the keyboard to save the entries



1. Reagent Name
2. Serial Number
3. Lot Number
4. Expiration Date

- Verify the new reagent information is displayed on the monitor.

Select **Done [F10]**

Close the MC reagent compartment door

Reference:
- DxC 600i IFU
- Chapter 2, Pre-Test Activities
- Check and Load Supplies at DxC Analyzer
- **Load/Unload MC Reagents onto DxC Analyzer**

Load CC Reagent

Prepare reagent(s) if required

Remove caps, remove any liquid adhering to the chimneys of the cartridge and remove any bubbles on the surface of the reagent

Select **Rgts/Cal** from the menu bar

Select the **DxC** tab

Page down (pages 3 to 8) to locate the position or positions on the CC carousel where reagents will be placed

Select all **positions** to load reagent cartridges

Select **Load [F1]**

When prompted by the software, open the Reagent Carousel door

- Place cartridge in the load position in front of the blinking bar code reader beam.

OR

- Enter Reagent Name
- Using the picture on the right as a reference, enter the following:
- Lot Number
- Serial Number
- Expiration Date
- Select the tab key on the keyboard to save the entries

- Verify the reagent information is displayed on the DxC monitor.
- Move the cartridge onto the reagent carousel

Close the reagent carousel door

Additional reagents selected?

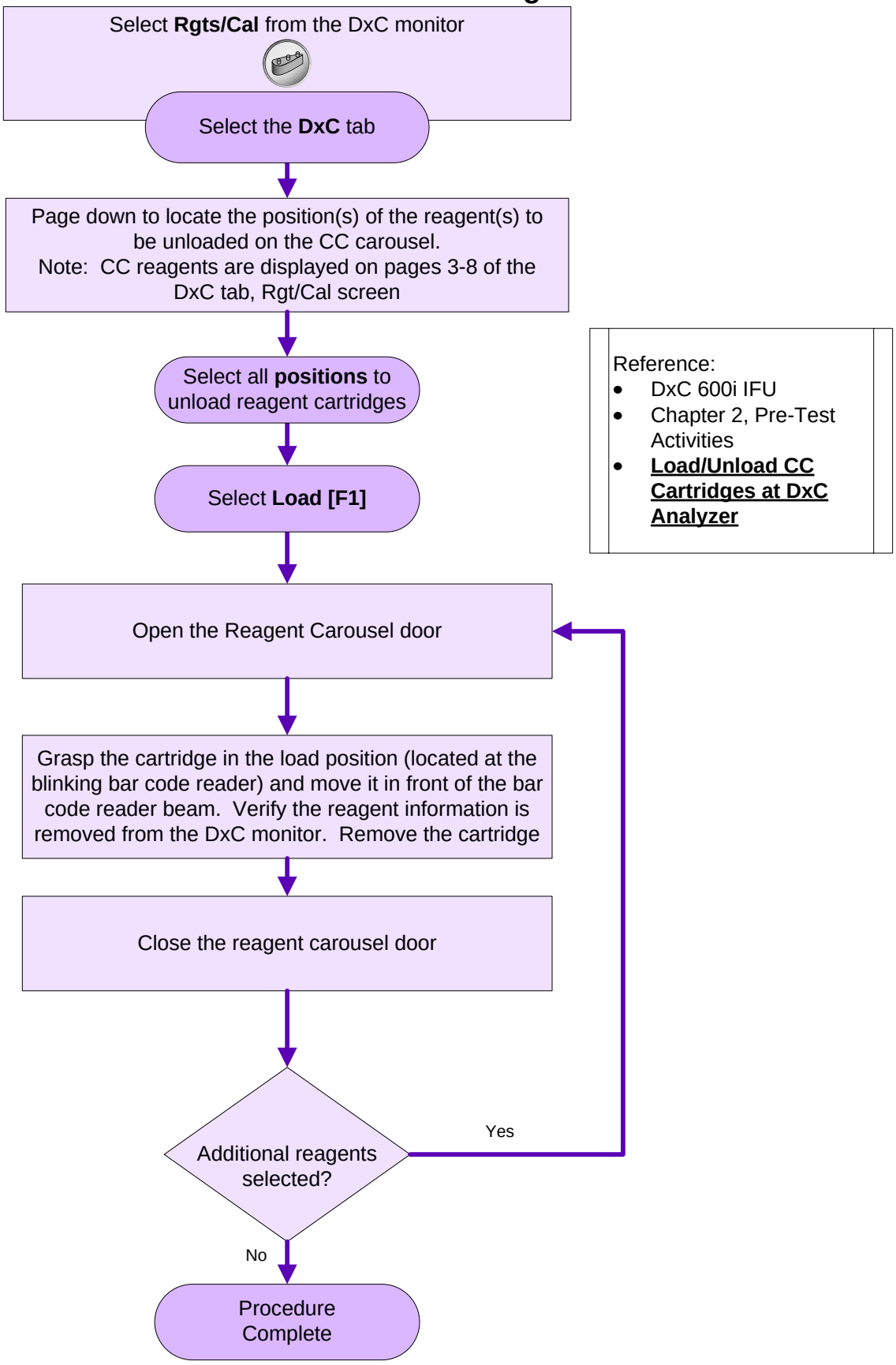
Yes

No

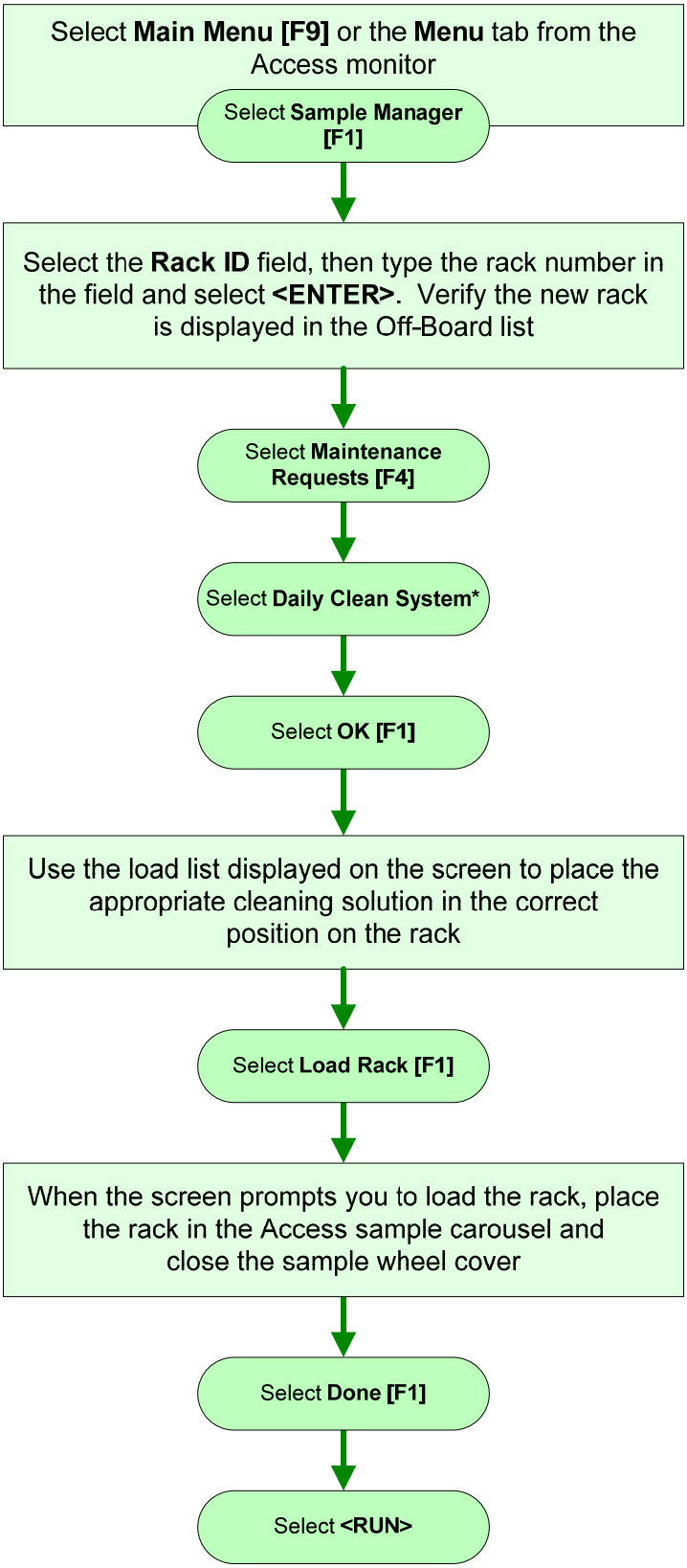
Procedure Complete

Reference:
- DxC 600i IFU
- Chapter 2, Pre-Test Activities
- **Load/Unload CC Cartridges at DxC Analyzer**

Unload CC Reagent



Process Daily Clean System Routine

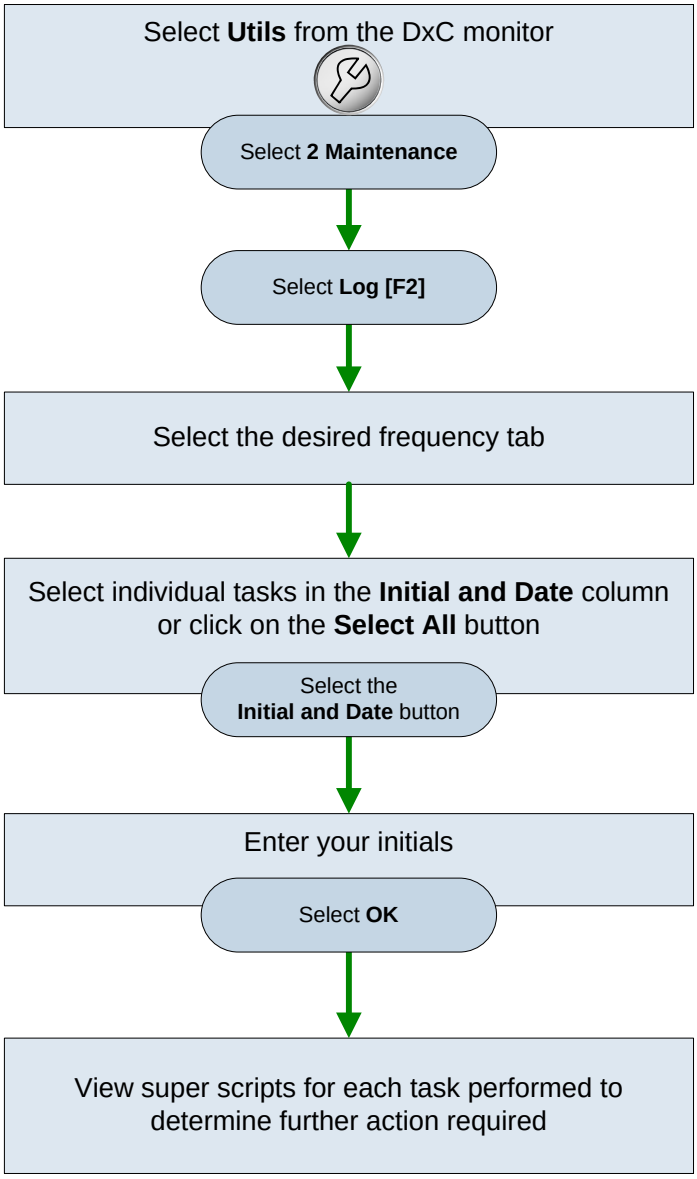


*If you run the B12 assay, perform the Special Clean in place of the Daily Clean. See the Help System for information about running the Special Clean

CAUTION
Citranox and Contrad 70 cleaning solutions may cause eye or skin irritation. See the MSDS for details

Reference:
- Help button (Access monitor)
- Help Topics ("Contents" tab)
- Operator's Procedures
- Routine Maintenance
- Daily Maintenance
- **Running the Daily Clean System Routine**

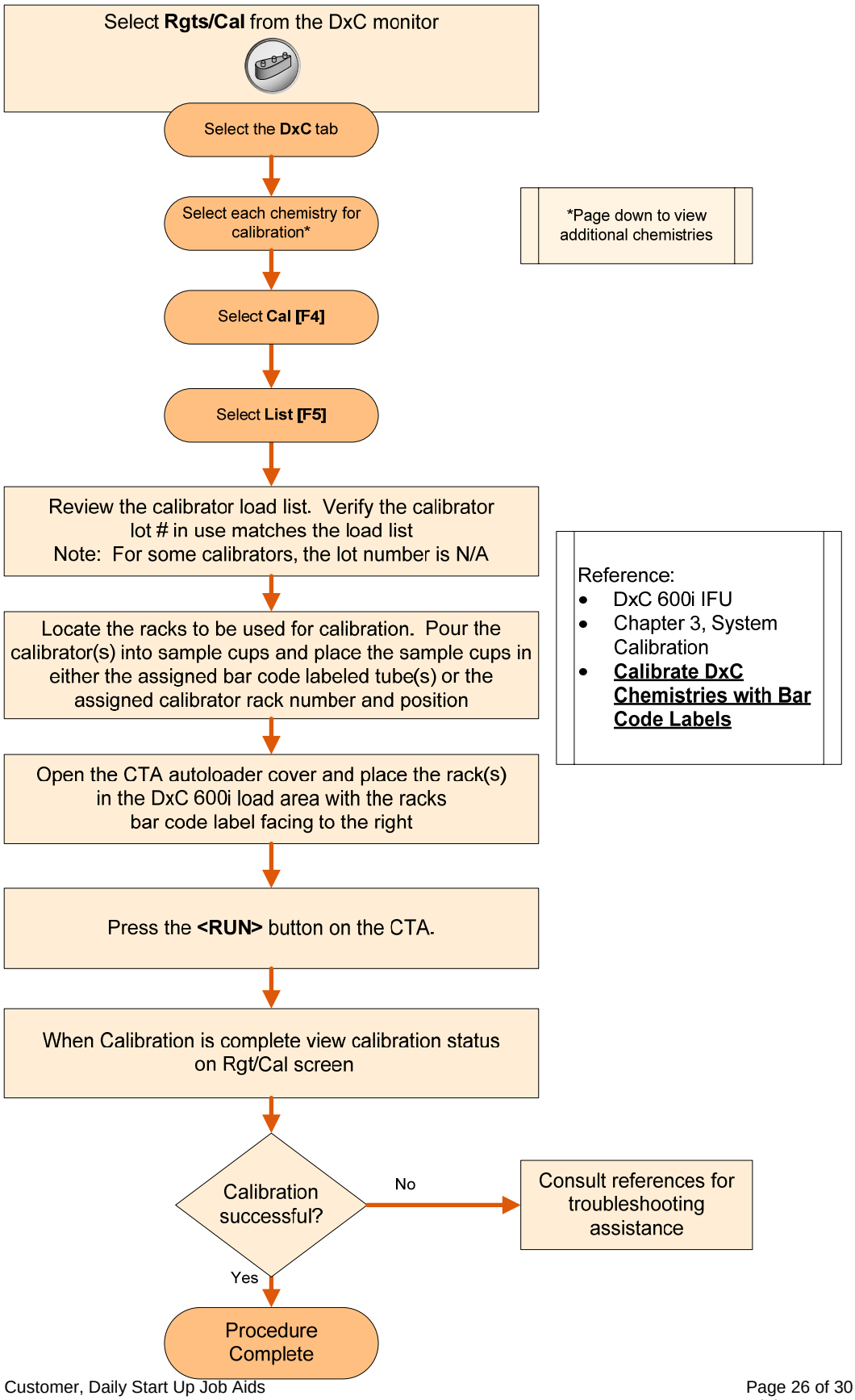
Initial and Date Electronic Maintenance Log



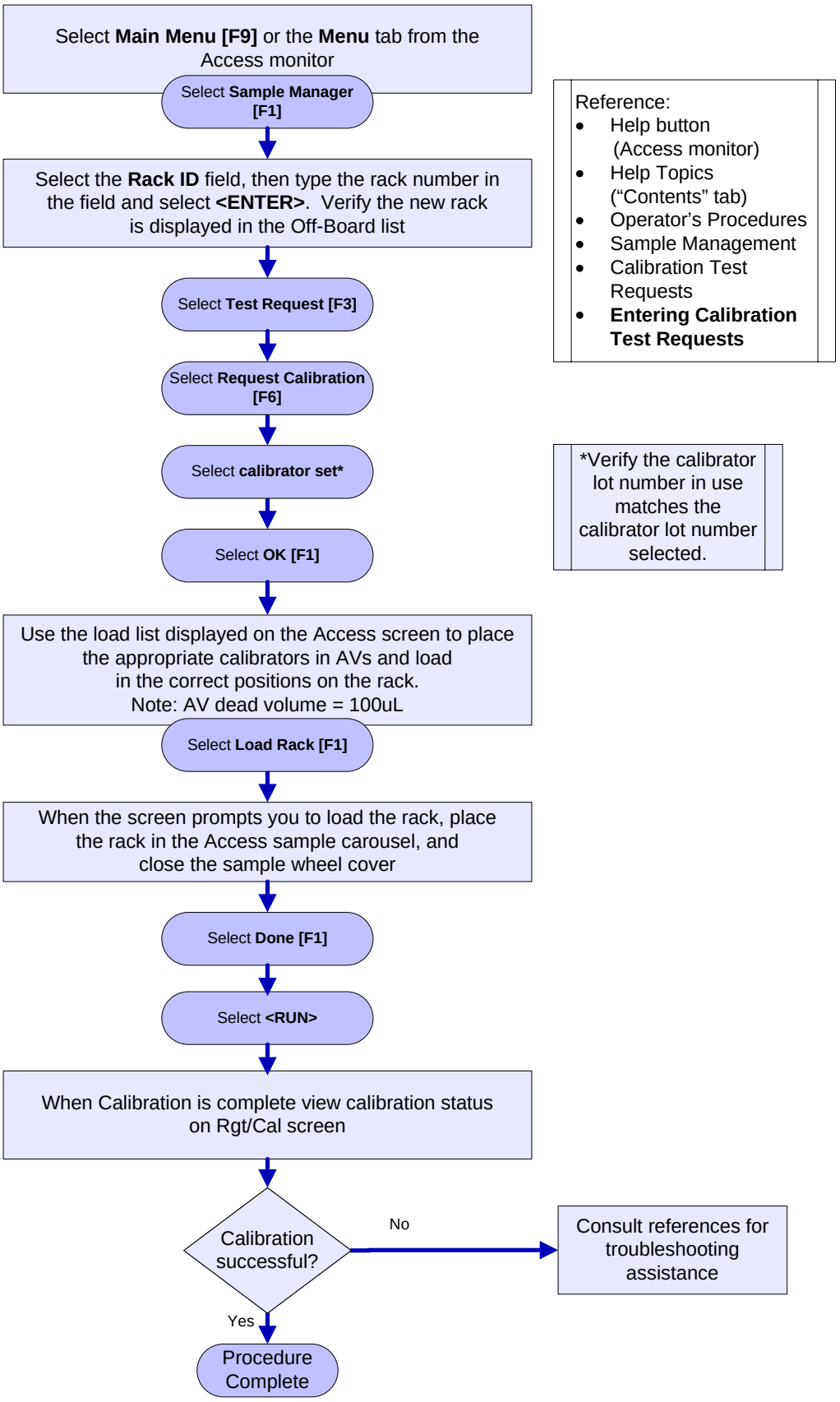
Reference:

- DxC 600i IFU
- Chapter 6, Maintenance Procedures
- Electronic Maintenance Log
- **Accessing the Scheduled Log Feature**

Calibrate DxC Chemistries



Calibrate Access Assays



Clear DxC Racks

Select **Samples** from the DxC monitor

Select **Clear [F7]**

Highlight the **Racks** Field. Type the range of rack number to be cleared*. Select **ENTER.**
Note: Enter 1-999 to clear all racks

*Calibrator rack assignments and racks in progress are not cleared with this step.

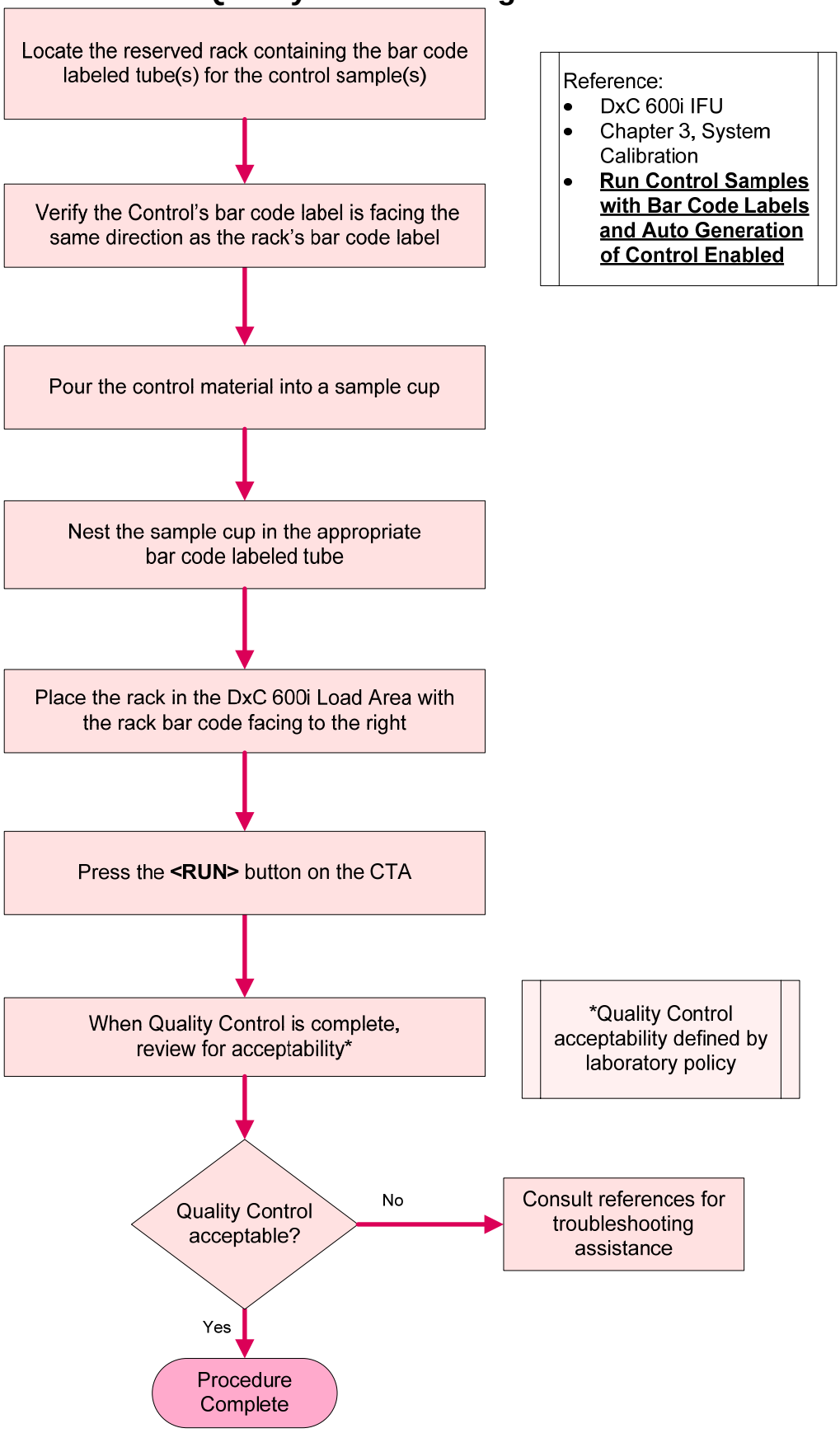
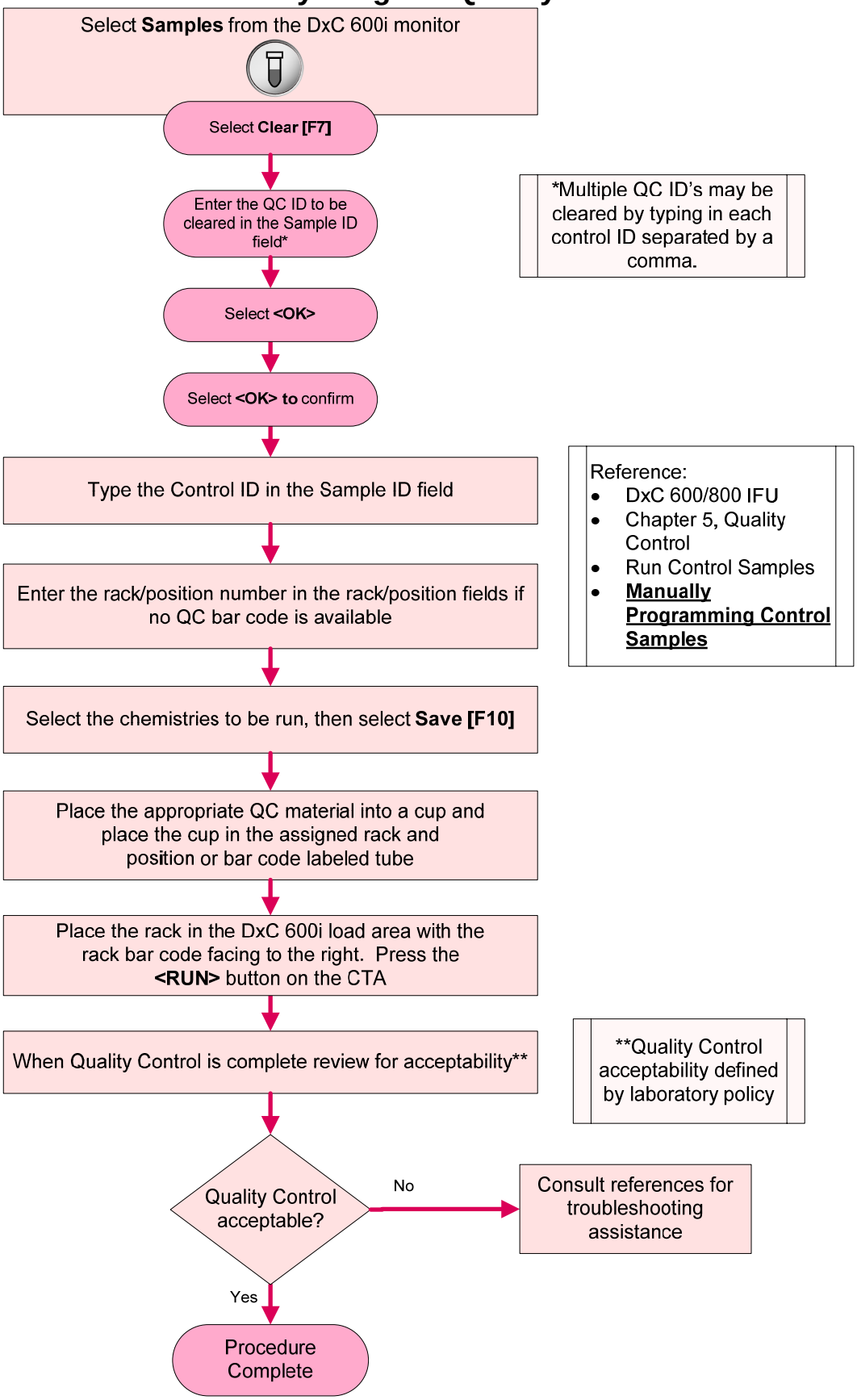
Select **OK**

Select **OK** to confirm

Reference:

- DxC 600/800 IFU
- Chapter 6, Sample Programming and Processing
- Clear Samples
- **Procedure for Clearing Samples**

Process Quality Control using Auto Generation



Manually Program Quality Control