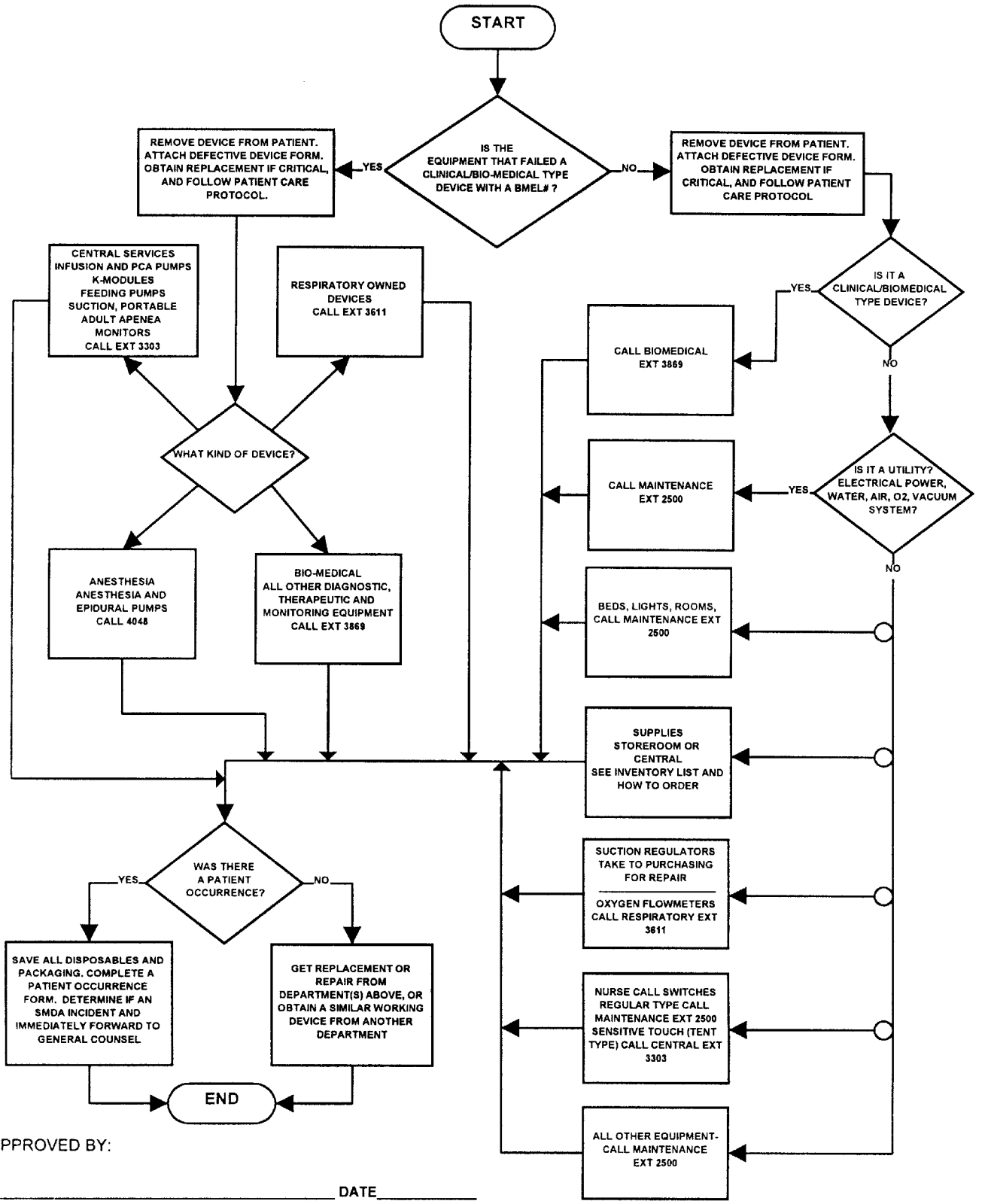
Equipment Failure & Response Procedures

Failure of:	What to expect:	Who to Contact:	User Responsibility
Physiological Monitor	- No waveform on screen - Unresolved artifact	Clinical Engineering 6-5754	- Obtain backup device - Tag device "**Out of Service**" - Have device repaired
Defibrillator	- Will not charge up - Will not discharge - Will not operate on battery	- Fellow Staff - Clinical Engineering 6-5754	- Obtain backup device - Tag device "**Out of Service**" - Have device repaired
Hemodialysis Machine	- Pump(s) will not circulate - Alarms will not reset	Renal Care Group Dialysis Technician	- Utilize hand crank - Have technician trouble shoot machine - Obtain backup machine - Tag device "**Out of Service**"
Infusion pump	- Alarms will not reset - Not delivering at set rate - Will not operate on battery	Central Sterile Supply 6-5094	- Obtain backup device - Tag device "**Out of Service**" - Have device repaired
Ventilator	- Alarms will not reset - Inspiration and/or expiration not at set rate and volume	Respiratory Care Services 6-6285	- Utilize manual "bagging" of patient - Have technician trouble shoot machine - Obtain backup machine - Tag device "**Out of Service**"
Syringe pump	- Alarms will not reset - Not delivering at set rate - Will not operate on battery	Clinical Engineering 6-5754	- Obtain backup device - Tag device "**Out of Service**" - Have device repaired
NIBP monitor	- Alarms will not reset - Will not complete cycle without unit going into alarm - Inaccurate readings	Clinical Engineering 6-5754	- Obtain backup device or manual manometer - Tag device "**Out of Service**" - Have device repaired
Nurse Call system	- Cannot cancel calls - Erroneous calls from patient rooms - Alarms will not reset	Clinical Engineering 6-5754	- Have system repaired
Television	- Blurry picture - No sound - Cannot change channels	Media Services 6-5570	- Have television repaired and/or call cord replaced
Translogic pneumatic tube system	- Cannot send and/or receive carrier - Tube carrier is damaged - Missing carriers	Physical Plant Control Center 6-6424	- Have system repaired
Translogic pneumatic tube system	- Biological spills and leaks from carrier into tube system	Physical Plant Control Center 6-6424	- Have system purged and decontaminated - Tag station "**Do Not Use – Requires decontamination**"

EQUIPMENT FAILURE FLOWCHART

USE THIS FLOWCHART WHENEVER THERE HAS BEEN AN EQUIPMENT FAILURE



APPROVED BY:

_____ DATE_____

_____ DATE_____

IABP MANAGEMENT

IABP IN USE

1. Notify Perfusionist that a console is "in use."

by

a. Page if Operating Room (OR) on Cath Lab consoles are needed. because SICU & CCU consoles are already in use.

or

b. Call Voice mail #2044 to log "in use" status by number located on side of console. (#1 #2 #3 #4).

IABP MALFUNCTIONING

1. Find replacement console in -house ASAP to maintain patient safety. Four consoles available
   a. CCU
   b. SICU
   c. Cath Lab
   d. Operating Room

then

2. Call Clinical Engineering to pick-up console.

then

3. Notify Perfusionist that a console malfunctioned.

by

a. Page if OR or Cath Lab consoles are needed.

or

b. Call Voice Mailbox #2044 to log replacement console in use by number (#1 #2 #3 #4).

Goal:
- *** Streamline communication regarding IABP console availability
- *** Maintain standby status of consoles in OR & Cath Lab
- *** Expediate repairs, replacement, and rentals of consoles.
- *** Designate perfusionist as primary decision makers.

Tamar Mathven # 2046 Karen Theroux # 2044 Terry Fjeldhlem # 1062

EQUIPMENT/SYSTEMS/UTILITY FAILURE

1. In the event of breakdown of essential equipment, the nursing staff will notify the Bio-Medical Department and report malfunction of equipment. If equipment needs urgent repair, the nursing staff will request the Facilities Management Department to contact the Bio-Medical Engineer who is on call.

2. To maintain continuous service in the event of breakdown of essential equipment, back-up for the following services is provided:

   A. Ventilator Malfunction
   Ambu bags are kept at the bedside of all ventilator patients. In the event of a ventilator malfunction, the ambu bag is used to oxygenate the patient until the ventilator is replaced or power is restored.

   B. Monitor/Defibrillator
   In the event of a malfunction of the defibrillator, each critical care unit has a backup defibrillator. A defibrillator may also be obtained from Bio-Med.

   C. Inwall O_2 Delivery Interruption
   In the event of interruption of inwall O_2 delivery, portable O_2 tanks are located in ICU, CICU, SICU and SCCU. Portable O_2 tanks are also available from the Respiratory Therapy Department.

   D. Disruption of Bedside Monitor
   In the event of a malfunction of the bedside monitoring equipment, a portable bedside monitor may be obtained from Stepdown Unit or PACU. LifePak monitors may be obtained from CCU/ICU and Bio-Medical Department, if necessary.

   If back-up equipment is not available notify the Clinical Manager who will contact the contracted medical equipment company for immediate replacement of needed equipment.

3. All new electrical equipment used in critical care areas must be checked by Facilities Management before usage.

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