

Bug Busters Scenario Planning - By Round

Task	Scenario	Category	Notes	Score
Display ultrasound by using projector on wall	Team	A/V/ Education	Materials: projector, ultrasound, cables and adapters to allow connection	Not Met-0, Met-2
VGA bent pin to lose color	Team	A/V/ IT	Bent green pin removes EKG tracing on monitor	Not Met-0, Met-2
XLR to 1/4 TRS mono to show balance input not needed. (into Mixer/Recorder)	Team	A/V		Not Met-0, Met-1
GoPro setup with gorillapod	Team	A/V	Image in frame and viewable from tablet	Not Met-0, Met-2
Question: How do you switch between two heart rhythms? After shock delivered have V-fib rhythm change into normal sinus	Team	Healthcare/ Simulation	Correctly describes use of software	Not Met-0, Met-2
Dress confederate: make team member wear moulage, wig, clothes (Mimic famous celebrity. Example: Elvis Presley)	Team	Theatrics	One point per item (wig, clothes, moulage)	No Items-0, One-1, Two-2, Three+-3
Put shorts and shirt on manikin.	Team	Theatrics	One point per item (shorts and shirt)	One-1, Both-2
When intubated the chest does not rise when breaths given. Solution: Esophagus tubing has detached - reattach esophagus. (Have note from facilitator that ventilation didn't work in last case?)	Team	Simulation/ Healthcare		Not Met-0, Met-2
Problem: Laryngoscope is not functional. Solution: Replace light bulb.	Team	Healthcare/ Operations	Need bulbs	Not Met-0, Met-1
Hook apple computer to display.	Team	AV/ IT	(Have appropriate dongle available along with variety of cables and other Mac dongles)	Not Met-0, Met-1
Facilitator wishes learners to take a manual blood pressure on manikin.	Team	Simulation/ Healthcare	(Laerdal - tubes disconnected; Gaumard - calibration is messed up)	Not Met-0, Met-2
Trigger call bell system and require them to cancel it.	Team	Operations/ Theatrics	Verify call bell system function	Not Met-0, Met-1
Defibrillator will display heart rhythm by use of adapter for pads/paddles	Team	Simulation/ Healthcare	Gaumard need pads, Laerdal need clips	Not Met-0, Met-1
Set up Bair Hugger on patient	Team	Healthcare		Not Met-0, Met-2
Moulage requires spine precautions (attach to backboard and place a c-collar)	Team	Healthcare/ Theatrics	One point per item (backboard, c-collar)	One-1, Both-2
Call for IV fluid but give empty bag and require filling (200 mL or 500 mL) provide 35ml syringe with or without needle	Team	Healthcare/ Simulation	Instruct to fill bag for scenario	Not Met-0, Half full-1 Met-2

Have sim call for McGill forceps	Team	Healthcare	give multiple random hemostats and retractors	Not Met-0, Met-2
Use electrocautery (BOVIE) for an OR fire sim and make them figure out which machine to bring in	Team	Healthcare/Theatrics	Have US, EKG, IV pump, BAIR hugger etc as distractions	Not Met-0, Met-2
Gaumard serial code for patient monitor activation	Team	Simulation/Operations	Provide multiple possible codes for use	Not Met-0, Met-2
Facilitator wants only three wave forms on vital signs monitor - heart rhythm, SPO2, arterial line. Also display skin temperature. Heart rhythm, SPO2, and temperature should be displayed at start of scenario, arterial line will be on stand-by.	Team	Healthcare/ IT/ Simulation		Not Met-0, Met-2
Design Likert checklist online with QR code access for Scenario review and QI		Education/ Research/ IT/ Operations	One point per item, Likert checklist, On-line access system, QR code link)	No Items-0, One-1, Two-2, Three-3
Facilitator will be running numerous scenarios. Please program initial settings for manikin as: ..HR130 BP 80/40 RR 30 SPO2 80% and name the scenario "SimGHOSTs 1". alternative set to "normal" HR 60-100 BP 100- 140/60-90 RR 8-20 Sat >92%.	Team	Education/ Simulation/ Healthcare	One point for each correctly programed scenario	No Items-0, One-1, Two-2,
Problem: When starting manikin and laptop, no wireless connection. Solution: Connect to appropriate networked manikin.	Team	IT	Staging: Forget connection via Windows Wi-Fi options or turn off wi-fi with function key or switch (depending on laptop model)	Not Met-0, Met-2
Problem: Headphone and microphone jack reversed. Solution: Place jacks in correct ports. (Have to talk through microphone and manikin say phrase) Task: Say "Scenario ready to start" over the manikin speaker.	Pair	A/V/ Simulation		Not Met-0, Met-2
Mono patch cable (audio only comes from one side of a headset)	Pair	A/V		Not Met-0, Met-1
Volume turned down on handheld XLR mic in control room: advanced pull knob off so they can't see dial (if it is removed easily)	Pair	A/V		Not Met-0, Met-2
GoPro SD card missing	Pair	A/V		Not Met-0, Met-1

Have a list of Generic Policies and Procedures on back of the case prompt. Have confederate come in and try to break policy. When we bring team/pair/individual into room, point out policies and explain that we must follow all of these while in the space. one point for each enforced policy	Pair	Operations/ Education	-Please treat all manikins with respect, -No marking on manikins or equipment -Do not discuss your scenario with other participants - Please keep sound a respectable level -No photography in the simulation rooms (ask to tweet a selfie during the scenario)	No Items-0, One-1, Two-2, Three+-3
When intubated the chest does not rise when breaths given. Solution: 1. No crich tape on manikin - place tape.	Pair	Simulation/ Education/ Healthcare	Have note from facilitator that ventilation didn't work in last case	Not Met-0, Met-2
Place male anatomy insert on manikin. (Patient requires foley catheter for prostatic hypertrophy causing urinary retention)	Pair	Simulation/ Healthcare	Manikin starting gender is female	Not Met-0, Met-2
Have the team set up a task station utilizing a task trainer (PROMPT, Central Line, Suture station)	Pair	Education/ Simulation/ Healthcare	Use available task trainer from host	Not Met-0, Met-2
Make someone use a voltage converter (USA plug product; Australia or UK product)	Pair	AV/ IT	Bring convertor	Not Met-0, Met-1
Remove batteries on laryngoscope in airway cart (and scenario is told to require intubation)	Pair	Healthcare/ Simulation		Not Met-0, Met-2
Place manikin in trendelenburg position	Pair	Healthcare/ Theatrics	Make sure head down, feet up	Not Met-0, Met-1
Place NG tube in manikin.	Pair	Healthcare/ Theatrics	Possible on both Laerdal and Gaumard	Not Met-0, Met-1
Write the following lab values on white board: CBC: WBC 12.1 x 103/ μ L; Hgb 13.1g/dL; Hct 40.2% Plt 201103/ μ L. (and/or make them look up the units with only integer numbers provided)	Pair	Healthcare/ Education/ Simulation		Not Met-0, Met-2
Facilitator will be instructing on airway adjuncts. They wish to have the following available: laryngoscope, glidescope, 7.5 ET, 4 LMA, appropriate sized oropharyngeal airway, appropriate sized nasopharyngeal airway	Pair	Healthcare/ Education		No Items-0, One-1, Two-2, Three+-3
Bring a plain film X-ray; must have correct Left, Right orientation on light box	Pair	Healthcare/ A/V	If no light box, invert computer image	Not Met-0, Met-2
Problem: No sound from manikin speaker. Solution: Configuration for Voice Conference Application has manikin speaker muted. Uncheck mute box.	Pair	IT/ AV		Not Met-0, Met-2
Review consent form signatures to allow video recording of encounter	Pair	Research/ Operations/ Simulation	Provide stack of consent forms with two unsigned, on point for form located	No Items-0, One-1, Two-2

Manikin will have a left pneumothorax. (program absent breath sounds on left)	Pair	Healthcare/ Simulation		Not Met-0, Met-2
Task: Facilitator wants to instruct on interpreting heart rhythms and wishes to display lead 2 and lead 5 on a large screen.	Final	A/V/ Simulation/ Healthcare/ Education		Not Met-0, Met-2
KVM switch with VGA output plugged into input.	Final	A/V/ IT		Not Met-0, Met-2
Require input selection adjustment using remote control from control room	Final	A/V		Not Met-0, Met-1
Pair bluetooth speaker with a cell phone: play sound from YouTube instructional video (provided)	Final	A/V/ IT		Not Met-0, Paired-1, Paired and plays-2
Require telephone number from control room to be written on whiteboard in sim room for a "consult"	Final	Operations/ AV		Not Met-0, Met-1
New staff asks what is this for? (Holding random assortment of simulation materials)	Final	Operations/ Simulation/ IT/ AV/ Education/ Research	Wires, adapters, manikin parts, debrief checklists, etc. One point per correct identification	No Items-0, One-1, Two- 2, Three+-3
Clock should be set to current time (have wall clock displaying incorrect time).	Final	Theatrics		Not Met-0, Met-2
Require call to "info service center" Ex: 555-555-5555 for a password or other simple connection information.	Final	Operations/ IT	Coordinate with phone recipient to ensure availability during BugBusters	Not Met-0, Met-2
Test a CAT 5 cable. The previous tech remembers putting a defective cable into the pile can you find it and remove it. (superglue the contacts, pinhole to break connection, crimp defective cable)	Final	IT	CAT 5/6 cable, provide defective cable	Not Met-0, Met-2
Place 7.5 ET tube. Correctly connect three lead EKG [four connectors] (white on right above green, black on left above red) using AED; advanced use full "12-lead" EKG and require correct placement (LA,LL,RA,RL, V1,V2,V3,V4,V5,V6)	Final	Healthcare/ Simulation/ Theatrics	one point for each ETT, EKG	No Items-0, One-1, Two- 2
Review feedback forms from prior session to identify areas to improve	Final	Research/ Operations/ Simulation/ Education	Written documentaion stating need chest X-ray for authenticity	Not Met-0, Find item-1, Correct item- 2
Have only D5 and require re-labeling for NS (IV fluid) (have labels, tape, etc)	Final	Healthcare/ Simulation		Not Met-0, Met-1
Display a pneumothorax xray on the appropriate monitor (have multiple xrays in a folder)	Final	AV/ IT/ Healthcare		Not Met-0, Met-2

Specific knowledge questions			
What is the voltage of USB-A port?	5V		1 point
What is the resolution of 1080p?	1920x1080		1 point
What does IP stand for in IP camera?	internet protocol		1 point
How do I position a patient prone?	face down		1 point
What is the technical term for blood pressure cuff?	sphygomanometer		1 point