

THE SURVIVORS: ELEVATOR

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MGMT1103: Essential Skills for Teams Collaboration

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YOUR SCENARIO - TRAPPED IN AN ELEVATOR

You and your team are trapped completely between floors in an elevator during a city-wide power failure. **It generally takes twenty-four hours before repair crews restore power.** You entered the elevator at the underground parking garage of a building, and you were headed for the tenth floor, where you are not allowed to bring cellphones. When you parked your Tesla, you noticed a nearby water pipe leaking significantly in the basement, with water rapidly approaching an old high voltage electrical generator that will certainly explode the entire building if the water reaches it. But that's okay! You have an important meeting and somebody else will fix it... But then! Dun Dun Duhhhhhh, the power goes out, **you're trapped in the elevator, and you are certain that the generator will explode if you do not free yourself or find a way to warn someone about the impending doom.** Also, your **elevator has no roof door access, one of your companions is 36 weeks pregnant, and your phones were all left in your Tesla.**

If you could pick ten items from the following list in this scenario, what would you choose, in what order, and why?

•Wire cutters •Jackknife •Car jack •Sponge •Construction dust masks •Two meters of seat belt webbing •Ten meters of climbing rope •Flashlight •Candle •Safety goggles •Bottle of vodka •Portable FM radio •Large flat-bladed screwdriver •Bag of flour •An eight-foot 2x4 •Work gloves •One liter of water •Metal pulley •Hammer •Two-liter cooking pot •Starbucks card •Bucket •Two signal flares •Paintbrush

Summary of Scenario

- Power outage
- Trapped in Elevator
- Repair crew may take 24 hours.
- No Phones to communicate.
- Impending danger- possible explosion
- Pregnant Companion (in her third trimester)

ESCAPE PLAN

The goal is to:

- ensure safety,
- establish and/or maintain communication,
- find ways to escape or call for help.

Below is a list of possible items required color coded by usefulness.

Wire cutters	Large flat-bladed screwdriver
Jackknife	Bag of flour
Car jack	An eight-foot two-by-four
Sponge	Work gloves
Construction dust masks	One liter of water
Two meters of seat belt webbing	Metal pulley
Ten meters of climbing rope	Hammer
Flashlight	Two-liter cooking pot
Candle	Starbucks card
Safety goggles	Bucket
Bottle of vodka	Two signal flares
Portable FM radio	Paintbrush

	Useful
	Maybe Useful
	Not Useful

PREFERRED TOOLS

	Tool	Reason
1	Flashlight	Power is out and there is need for a light source to illuminate the dark elevator, assess the area, and find a way out of danger. A flashlight may also be used as a signalling device to attract passersby or emergency responders. It is a must-have and is the most valuable tool to have.
2	Wire Cutters	Can help cut through items and disable locking mechanisms. The wire cutter can be helpful in accessing and dismantling components of the elevator control panel or any other machinery inside the elevator
3	Portable FM radio	The radio is particularly useful for communication. It can also serve as a morale booster, providing rescue effort information, music, entertainment, and conversations which can help alleviate anxiety.
4	Safety Goggles	Help protect the eyes from debris, dust, etc. during escape. They provide a physical barrier against airborne particles or potential splashes.
5	Metal Pulley	This can be used for a makeshift system with the climbing rope to hoist people out of the elevator.
6	Ten Meters of climbing rope	This can be used with the metal pulley or alone to help escape from the elevator
7	One Liter of Water	Hydration is important for survival. Water can be rationed and used for various purposes, including providing relief from heat generated by the trapped elevator. It is also particularly important for the pregnant person to stay hydrated.
8	Bucket	A bucket can serve as a multipurpose tool kit. It can be used to store items, as a makeshift seat especially for the pregnant person, as an improvised toilet or waste receptable.
9	Hammer	Can be used to break down barriers, opening doors, and making makeshift tools. For instance, it could be used to fashion a handle for the metal pulley, improvise a lever for lifting heavy objects, or even fashion a crude alarm system to signal for help.
10	Two meters of seat belt webbing	Seat belt webbing can be utilized creatively as a safety harness during escape attempts. By tethering individuals to one another or securing themselves to stable fixtures within the elevator, the group can minimize the risk of falls or injuries.

Each of these items can help achieve our goals of ensuring safety, establishing communication, and finding ways to escape.

PROCESS

- First, we turned on the flashlight to assess our environment and see if we could find a way out. Then we utilized wire cutters to disable non-essential electrical systems within the elevator, conserving power and reducing the risk of electric hazards while wearing the safety goggles to keep the eyes safe from dust, and wire cuttings. The Hammer was used to make an emergency signal pattern telling people that we are stuck in the elevator and require help.
- Whilst waiting for rescue, we decided to make a quick back up plan. The metal pulley, rope and seat belt will be made into a make-shift system to hoist us out of the elevator starting with our pregnant companion who we will keep hydrated with the water available and make her comfortable by using the bucket as a seat. The bucket can also be used to collect and store water seeping into the elevator from the leak. The portable FM radio will be used to broadcast signals, communicate with emergency officers and the outside world.
- Having a pregnant companion seemed to do the trick to get help fast. The rescue workers arrived in just a few hours and the elevator doors opened.
- Despite the tough times, our group stayed strong, working together, and using everyone's smartness, we all survived these hours. It shows how working together can help us overcome tough situations.
- **We can now take a shot of Vodka each!** (except our pregnant friend, of course). The Vodka could also have been helpful for cleaning wounds whilst trying to escape.

REFERENCES

No external references were used for this exercise. Our group met and discussed for about 75 minutes, and came up with the plans above



PEER EVALUATION

Use the rubric below to evaluate each participant

Score 5	Full Participation
Score 4	Good Participation
Score 3	Participated
Score 2	Minimal Participation
Score 1	No Participation

Team Member	Score #
Atai Okokon	5
Oluchi Ruth Osuafor-Humphrey	5
Deepanshi	5
Niriya	5