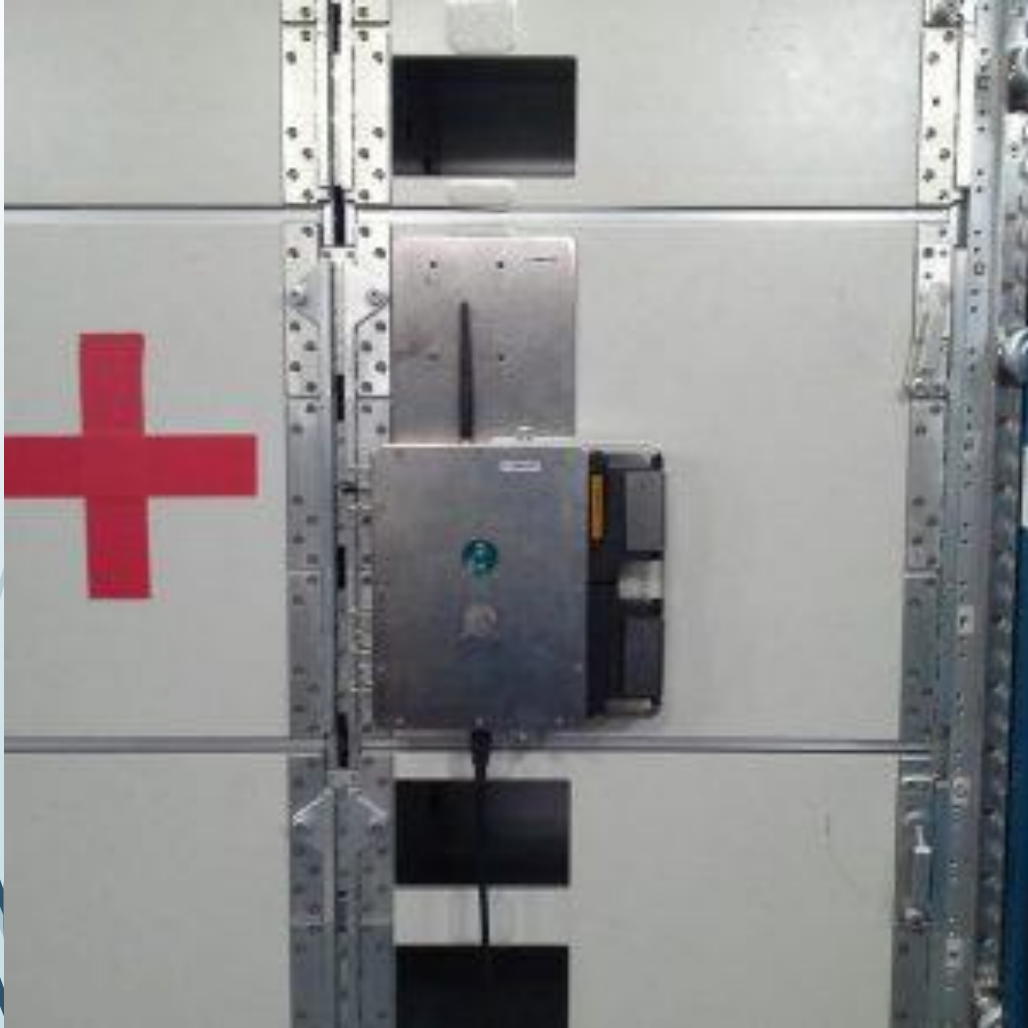# Medical Inventory System

Issues with Medical Inventory System

- It is easier than one would think to misplace items aboard a spacecraft or in a habitat.

- These items may be medical equipment, consumables, and medication.

- During an emergency, time spent looking for medical hardware or medication is a valuable loss of time.

Possible Solutions

- Radio tags
- Bar coding
- Real time database
- Unique ideas that are simple and accurate

Considerations

- Interference with the local enviroment if using RFID technology

- Tracking of software and what hardware used for logging and finding equipment.

- Want the ability to log items used - medical consumables or medication.

- Multiple crew members using the same space means potential for more things to be used and not accounted for.

Constraints

- Components must not interfere with other electronics on ISS in a negative way.

- Astronauts must still be able to access the medical kits as needed

- All medical kits are kept inside of a closed locker, so any wiring or electronics should not interfere with the locker door opening.

- Looking for an effective but simple solution that could be used for all future exploration missions.