1 Criteria for Selecting Emergency Landing Sites

- **Flat terrain** to prevent aircraft damage and ensure patient safety.
- **Minimal obstacles** (trees, buildings, power lines, water bodies).
- **Adequate length** for safe deceleration and stopping distance.
- **Accessible to ground EMS vehicles** (roadside, open fields, parking lots).
- **Clear of high-traffic airspace** to avoid interference with other aircraft.
- **Weather conditions** should allow for a safe approach and landing.
- **Visibility and lighting** must be sufficient, especially at night.

2 Suggested Emergency Landing Sites in GeoFS

🛬 Runway Diversions

- Nearby airports can serve as the safest option for emergency landings.
- Use the Nav Menu to locate and divert to the closest airport.
- Communicate with ATC or announce intentions on UNICOM.

🛬 Highways & Roads *(Roleplay Required)*

- Look for long, straight highways with minimal traffic.
- Avoid bridges, overpasses, and densely populated areas.
- Coordinate with ground EMS (RP element required) for patient pickup.

🛬 Open Fields & Farmlands *(Roleplay Required)*

- Ideal for aircraft with STOL capabilities.
- Check for uneven terrain or hidden obstacles.
- Land against the wind for better control and stopping distance.

🛬 Parking Lots & Large Open Spaces *(Roleplay Required)*

- Only suitable for helicopters and VTOL-capable aircraft.
- Ensure no pedestrians or vehicles are in the area.
- Verify wind conditions to prevent collisions with nearby structures.

🛬 Water Landings (Ditching)

- Use only as a last resort.
- Aim for calm water surfaces, avoiding strong waves or currents.
- Prepare for immediate aircraft evacuation.
- Roleplay rescue coordination with ground and marine EMS.

3 Emergency Landing Communication Procedures

- Declare emergency: *"Mayday, Mayday, Mayday, EMS Flight [Callsign], experiencing an emergency, requesting priority landing."*
- Provide location and estimated landing site.
- Request ATC or UNICOM clearance if possible.
- Confirm safe landing and coordinate patient transfer (RP element required).