

Standard Operating Procedure (SOP): SET12 GPS Deployment & Monitoring

1. Objective

To establish a standardized, secure, and efficient process for the physical deployment, software configuration, and active monitoring of the SET12 **Mini GPS Tracker with SOS** across all operational assets.

2. Scope

This procedure applies to all field agents, fleet managers, and control room operators responsible for the handling, installation, and tracking of company or client assets using the SET12 device.

3. Pre-Deployment Configuration

- **SIM Activation:** Ensure the 4G Nano-SIM is active with an appropriate data plan before insertion.
- **Initial Charge:** Charge the SET12 device to 100% capacity prior to field deployment.
- **System Pairing:** Register the device's IMEI and SIM number within the central tracking dashboard. Assign a clear, identifiable name to the device (e.g., "Asset-Delhi-01").

4. Physical Installation Protocol

- **Location Selection:** Identify a discreet, flat metallic surface on the asset (e.g., undercarriage of a vehicle, inside a metal cargo container). Avoid areas near extreme heat sources (like exhaust pipes) or encased entirely in thick metal that may block GPS signals.
- **Mounting:** Ensure the surface is free of heavy debris. Apply the magnetic side of the SET12 firmly against the surface. Conduct a quick physical pull-test to verify the industrial magnets have engaged securely.
- **Verification:** Before releasing the asset, the field agent must contact the control room to confirm that real-time location data is actively transmitting to the dashboard.

5. Monitoring & Alert Management

- **Geo-Fencing:** The control room operator must establish virtual perimeters (safe zones) for the asset's intended route or designated storage facility.
- **Alert Protocol:**
 - *Low Battery:* Dispatch a field agent for a device swap when the battery drops below 15%.
 - *Geo-Fence Breach:* Operator must immediately cross-reference the authorized route. If unauthorized, initiate the escalation protocol.
 - *SOS Activation:* Treat as a critical emergency. Immediately log the exact coordinates and dispatch the nearest security personnel or law enforcement to the location.