Critical Enclosure Design Specifications
Additional information can be found at www.electromet.com

1. What is the intended functional use for the enclosure?
   - Surface Ship
   - Submarine
   - Aircraft
   - Mobile Vehicle
   - Land Based

2. For Defense applications, identify **ALL** MIL-specifications and MIL-standards to be met

3. Survivability:
   - What environmental conditions are required to be met?
     - Shock (MIL-S-901D) _________
     - Deck Frequency of concern (Hz) _________
     - System designation Type _________ Grade _________
     - Mounting requirement:
       - Hard Deck Mounted _________
       - External Isolation System _________
       - Internal Isolation System _________
     - Preferred Test Method
       - Barge _________
       - Shock Machine _________
   - How fragile is the electronic equipment to be installed?
     - Is there a maximum G-load to consider?
     - Vibration (MIL-STD-167) _________
     - EMI/RFI _________
       - Frequency Range(Hz) _________
       - Attenuation (db) _________
     - Salt Spray _________
     - Drip Proof _________
   - Who is responsible for testing?
   - Who approves the test configuration and test plan?
   - Will simulated weights be used?
   - Who is responsible for generating the post-test report?
4. Enclosure Configuration:
   - What is the weight and center of gravity (CG) for each set of electronic equipment to be installed in the enclosure?
   - What is the total electronic equipment payload?
   - Will cables be supported by the enclosure rear panels?
     - If YES, what is the cable/harness payload?
   - Will cables enter the enclosure from the base?
   - Is front accessibility only required?
     - Will rear access be required?
     - Will maintenance and repair be accomplished via front access only?

5. What are the enclosure’s maximum outside dimensions?
   - H __________
   - W __________
   - D __________

6. What are the enclosure’s required useable inside dimensions?
   - H __________
   - W __________
   - D __________

7. Will the enclosure have?
   - Side Panels __________
   - Rear Panels __________
   - Front Door __________ Hinged (R/L) __________
   - Rear Door __________ Hinged (R/L) __________
   - EIA Holes: Front __________ Rear __________
   - Drip Proof Requirement __________
   - Humidity Requirement __________

8. Will the enclosure need any of the following Protective Coatings or Markings?
   - Chem Film __________
   - Primer __________
   - Paint __________ Color __________
   - Silkscreen __________ Color __________
   - Engraving __________ Fill Color __________
   - Stencil __________ Color __________
   - Steel Stamp __________
   - UID/RID __________
   - Other __________
9. Will the enclosure require any of the following documentation?
   - MIL-T-31000 __________  Level __________  QTY __________
   - Top Assembly Drawing __________
   - Interface Control Drawing __________

10. Is there a design review requirement?
    - Preliminary __________
    - Critical __________
    - Facility Review __________

11. What are the required construction materials?
    - Aluminum
    - Steel
    - Stainless Steel
    - Composite materials

12. Will the enclosure need any of the following specialized hardware / accessories?
    - Blowers: Type __________  CFM __________
    - Filters:
      - Type __________
      - EMI/RFI __________
      - Attenuation __________
      - Drip Proof __________
      - Dust __________
    - Slides:
      - Quantity __________
      - Payload Weight for Each __________
      - Slide Travel Distance for Each __________
    - Cable Retractors __________
    - Cable Trays __________
    - Shelves __________
    - Gasketing:
      - EMI/RFI __________
      - Moisture __________