Make copies of this form to transmit your MSO requirements.

Step 1. Motor Operator Class (check one):

- [ ] Distribution (15.5-38 kV)
- [ ] Transmission (48-72.5kV)

Step 2. Control Mechanism Type:

- [ ] Reciprocating* († ‡)

*Note: Reciprocating control is the only control mechanism type available at this time.

Step 3. Switch Control Rod Type (check one):

- [ ] 1-3/4" Square Fiberglass
- [ ] 1" O.D. Round Fiberglass
- [ ] 3/4" IPS Pipe (1" O.D.)
- [ ] 1" IPS Pipe (1.31" O.D.)

Step 4. Control Panel / User Interface (check one):

- [ ] Inertia Control Panel (Standard MSO)
- [ ] SEL-751 (MSO-SEL)
- [ ] SEL-751A (MSO-SEL)
- [ ] SEL-2411 (MSO-SEL)

*Note: See Table for RTU/SEL Relay Sensor Input Capabilities.

Step 5. Remote Terminal Unit (RTU) or SEL Relay Needed? (Check one):

- [ ] YES
- [ ] NO

*Note: Select YES if a MSO-SEL (SEL-Relay) is selected in step 4 above and answer questions 5a. through 5d. below; otherwise skip to step 6.

5a. RTU or SEL Relay Supplied by Inertia, or by Customer? (Check one):

- [ ] Inertia
- [ ] Customer

5b. RTU or SEL Relay Type (Model Number): __________________________________________

*Note: Inertia’s Standard MSO RTU Type if not specified: Cleaveland Price RTU3220, DNP3 Protocol

5c. MSO-SEL’s only: SEL-3505 required? (Check one):

- [ ] YES
- [ ] NO

5d. MSO-SEL’s only: Conformal Coated SEL Relay (check one):

- [ ] YES
- [ ] NO

Step 6. Hardwired Status / Control Board? (Check one):

- [ ] YES
- [ ] NO

*Note: Answer questions 6a. and 6b. below if YES is selected; otherwise skip to step 7.

6a. Select desired hardwired status points and number of dry contacts for each status.

Status Points / (Qty. of Dry Contact):

- [ ] Open Switch / (Qty.: _____)
- [ ] Remote - Local. / (Qty.: _____)
- [ ] Battery Lockout. / (Qty.: _____)
- [ ] Interlock Pin Removed. / (Qty.: _____)
- [ ] Close Switch / (Qty.: _____)
- [ ] Motor Decoupled / (Qty.: _____)
- [ ] Battery Test in Progress. / (Qty.: _____)
- [ ] Cabinet Door Open. / (Qty.: _____)

Other Status (Specify): __________________________________________

6b. Select desired hardwired control points, control voltage, and number of each control point.

Control Points / Control Voltage / (Qty.):

- [ ] Open Switch / Voltage: _____ / (Qty.: _____)
- [ ] Battery Test / Voltage: _____ / (Qty.: _____)
- [ ] Close Switch / Voltage: _____ / (Qty.: _____)
- [ ] Other (Specify): _______________________

Continued on Next Page.
Step 7. Communication Type (Check all that apply):

☐ Radio  ☐ Ethernet  ☐ Fiber Optics  ☐ Hardwire  ☐ None

*Note: If “None” is selected above, skip 7a through 7c and continue to step 8

7a. Communication Device(s) supplied by Inertia, or by Customer? (Check one): ☐ Inertia ☐ Customer

7b. Communication Device(s) Model Number(s): ________________________________

7c. Communication Protocol:

☐ DNP (Standard)  ☐ Modbus  ☐ IEC 61850  ☐ Other (Specify): __________________

Step 8. MSO overhead Switch Line Sensing or Fault Indication? (Check all that apply):

*Note 1: If ‘None’ is selected, skip to step 9

*Note 2: See Table 1 for RTU/SEL Relay Sensor Input Capabilities

3 Ph. Current Sensors:  ☐  ☐  ☐  ☐

3 Ph. Voltage Sensors:  ☐  ☐  ☐

3 Ph. CT/PT Combo Sensors:  ☐  ☐  ☐

1 Ph. 120VAC PT Input:  ☐  ☐  ☐

Fault Circuit Indicators / Qty (Multiples of 3): ________________________________

Step 9. Additional MSO Features (Check all that apply):

9a. ☐ Alternate Power Supply Input Voltage (120 VAC is standard):

9a-1. Input Voltage: ________ V  ☐ VAC  ☐ VDC

9a-2. Dual Power Supply Inputs [Preferred/Alternate Setup]:  ☐ YES  ☐ NO

9b. ☐ Antenna Bulkhead Connector / Polyphasor (select type):  125-1000 MHz  700-2700 MHz

9c. ☐ Antenna with 20 ft. coaxial antenna cable.

9d. ☐ Control Rod Standoff Bracket.

9e. ☐ Control Rod Safety Cover.

9f. ☐ 80W Battery Warming Blanket.

9g. ☐ Thermal Diffusion Galvanizing (TDG) Components (Control Handle, Brackets, S.S. Pans, Enclosure).

9h. ☐ Special / Custom Design (If YES, write brief description below)

__________________________________________________________________________________

__________________________________________________________________________________

__________________________________________________________________________________

__________________________________________________________________________________

Table 1: SEL Relay Sensor Input Capabilities Chart

<table>
<thead>
<tr>
<th>SEL Sensor Input Card Combinations</th>
<th>SEL-751</th>
<th>SEL-751A</th>
<th>SEL-2411</th>
<th>SEL-700GT+</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-Phase CT Inputs (5A)</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>3-Phase PT Inputs (300V)</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>3-Phase CT/PT Inputs (5A / 300V)</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>1-Phase PT Input (V-Sync 300V)</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>3-Phase CT/PT (5A / 300V) + 1-Phase PT (300V)</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>3-Phase CT (5A / 300V) + 3-Phase PT (300V)</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-Phase CT/PT (5A / 300V) + 3-Phase CT (5A)</td>
<td>x</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-Phase CT (5A / 300V) + 3-Phase CT/PT (5A / 300V)</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8V LEA (Low Energy Analog) Input Voltage Option*</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Note: 8V LEA (Low Energy Analog) inputs can be substituted in place of 300V inputs for voltage sensor cards for 751 and 2411 relays only.