MSA AUTHORIZED/CERTIFIED SERVICE CENTER'S REQUIREMENTS

MSA (PG07) FIRST

Covers all MSA (PG07) Fixed Gas Detection Products

MSA FIRST Authorized/Certified Service Centers must have:

- Facilities, equipment and competent personnel to meet MSA service standards. Refer to Annex 1, 2.
- Assure that maintenance personnel successfully complete the MSA FIRST training class under the instruction of an MSA-authorized and qualified instructor.
- Tools and equipment must be purchased prior to class attendance. To be used during the training.
- Sub-agent or subcontractor will not be appointed to be utilized for the purpose of providing service on MSA products or attend this training.
- A Program Administrator assigned to coordinate with MSA to ensure that:
  - ✓ The Maintenance Center complies with MSA's procedures and recommendations.
  - ✓ MSA Manuals and support materials are kept current.
  - ✓ Yearly Audits and 3 Year refresher courses completed on time.
  - ✓ Upon six years, MSA Certified Repair Persons must attend a Re-Certification class to maintain their listing on their company's certificate (Complete Course).
  - ✓ Maintenance and repair questions are communicated to MSA for resolution.
  - ✓ Reports as required from MSA are provided in the right format.
  - ✓ The quality of the Service Center meets or exceeds MSA's minimum service standards (ASC KPIs).
  - ✓ MSA is notified immediately of any changes regarding the ability of the Service Center to meet the Authorized MSA Service Center requirements or its ability to maintain status as an MSA Authorized Service Center.
  - ✓ Tools and equipment are kept available and in good condition.

To enroll to this program:

Annex. 1: Tools & Equipment list for MSA (PG07) FIRST ASC:

Part No.	Description	Qty
809086	Ultima Controller	1
809997	Ultima Calibrator	1
10020030	ULTIMA XE Calibration Cap	1
10041533	ULTIMA XIR Calibration Cap	1
10112789	Prima X Calibration Cap	1
10111874	Prima X IR Calibration Cap w/display	1
10122228	PrimaX IR HART calibration cover / Bump Cap	1
	Standard Calibration Kit (ACAL-40)	1
	Standard Calibration Kit (ACAL-50)	1
10113036	Universal HART Cable	1
10114997	PrimaX Service Tool	1
A-X5000-0-F-0-1-0-16-AA-0	X5000 Detector with Dual Sensor	1
A-ULTIMAX-XPE31U3S2000010CC	Ultima PCB, Sensor & Housing (Combustible)	1
10112415	Prima PCB, Sensor & Housing (Comb)	1
10112340	Prima PCB, Sensor & Housing (Toxic)	1
10120403	47K Sensor	1
10162593	9020 SIL Wall mount panel	1
10081674	GasGard XL Channel Board 4 - 20 mA	1
10081675	GasGard XL Channel Board mV (passive pellistors)	1
10174807	ChillGard 5000 Pump Assembly	1
10177905	ChillGard 5000 Bypass Valve Assembly	1
10186446	ChillGard 5000 Sampling Valve Assembly	1
10186447	ChillGard 5000 Sensor Module Assembly	1
10128624	Z-Gard Calibration Cap	1
30060-2	Calibration Magnet	1
467895	0.25 LPM Flow Regulator	1
710288	Demand Regulator	1
	Fluke Multimeter	1
	Screw driver Set	1
	Allen Key Set (Imperial & Metric)	1
	Spanner Set	1

Annex. 2: Facility Requirements for MSA (PG07) FIRST ASC:

1. **Workshop requirements: (**Depends on the size of the market)
   - ✓ Floor space between 40 m^2 to 50m^2.
   - ✓ <u>Floor</u> – of a static free material and to control dust. If concrete the floor must be sealed or painted.
   - ✓ Walls – sufficient to maintain adequate heating, air conditioning and humidity control. Sound proofing is not necessary, however, may be required if Service center is adjacent to office space.
   - ✓ Floor – static proof mats are to be used where electronics are to be handled and repaired.
2. **Work benches:**
   - ✓ Wood top work benches 1m x 2.5m are required for repair with heavy duty vise.
   - ✓ Anti-static mats are to be used on work benches and floor where electronic parts are to be disassembled or repaired.
3. **Lighting:**
   - ✓ Fluorescent lighting to be located over each work area to provide adequate light to perform repair service.
4. **Shipping area:**
   - ✓ Space available for shipping, storage of incoming goods, storage of shipping material, and outgoing products. An oversize shipping and receiving door is recommended for pallet shipments.
5. **Parts Area:**
   - ✓ Floor racks and bins for parts storage. These can be either permanent or portable type.
6. **Office space:**
   - ✓ An adequate space is to be separated for administration functions.
7. **Power Supply**
   - ✓ Both AC and DC Power Supplies to be provided with adequate outlets
       - o 230/115V AC
       - o 24V DC Fixed supply
       - o 0-30V DC Variable Power Supply
8. **Facility HVAC System:**
   - ✓ Adequate Ventilation and Air conditioning is required to maintain the Service Center environment at a constant temperature and relative humidity. Recommend temperature range is 20 -26 degrees C at approximately 30 to 70% relative humidity.
9. **First Aid:**
   - ✓ A First aid kit and emergency procedures are to be available as required by local regulations.   All emergency phone numbers are to be posted at all phones.