



## **MSA AUTHORIZED/CERTIFIED SERVICE CENTER'S REQUIREMENTS**

### **EU CARE**

*Covers all MSA European SCBAs and SARs Products and the SmartCheck test machine*

EU CARE MSA 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 EU CARE 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 EU CARE ASC:**

PN	Description	Qty
10070168	Socket wrench 3mm (for Housing Cover DM04)	1
D0140899 *	Socket wrench (for warning signal adjustment)	1
D0011673	Molykote 33 medium grease, contents: 100 g lubrication	1
10016017	Loctite 222, screw-locking adhesive, low tight	1
D0011250	Loctite 243, screw-locking adhesive	1
D0005949	Screw-sealing lacquer, black	1
D0002784	Wrench SW 30 mm, DIN 894	1
D0013799*	Hexagonal spanner SW 3.2 mm (for adjusting the pre-tension of demand valves LA96)	1
D0002790	Wrench SW 14 x 17 mm	1
D0140260	Hexagonal spanner SW 13 x 14 mm	1
D0012449	Hex-socket screw driver SW 2 mm	1
10071425	Hex-socket screw driver SW 4 mm	1
D4075923	BARRIER-TA-O-Fluid, 5 ml	1
10032084	Grease KLÜBERALFA YVI 93, 5 g	1
D0010239	Parker-O-Lube <i>only for lubricating the snapconnector in 3 S-PS and Ultra Elite-PS</i>	1
10071424	Hexagonal key SW 7 mm	1
10035756	Adapter tool for screwing and unscrewing of all MSA AUER snap connectors	1
10075231	Special wrench for assembling the alphaCLICK coupling system, with 3/8"-square hole	1
D2055038*	Special key for replacing speech diaphragms for masks	1
D0008410	Hex-socket screw driver SW	1
D4080929	Test pressure gauge for cylinder pressure, class 1.6	1
10048100	Seal (Test Badge MSA) DM04	1
10104613	Tool for holding nut warning whistle SL	1
B_SmartCheck	SmartCheck:0 * * * * * 1 2 1 1 0 2 1 EN 3 (SMARTCHECK Machine)	1
10149560-SP	G1 tool for removing speaking diaphragm	1
10046165	Smartcheck medium pressure hose	1
10145002	LGDV test adaptor AutoMaXXquick con.SC	1
10145637	Test adapter AutoMaXX	1
10144994	SCBA test adapt. 300 bar, SmartCHECK	1
10144993	SCBA test adapt. 200 bar, SmartCHECK	1
10186295	PremAire combination SCBA test adapter	1
10035659	ADAPTER, MASK LEAK TEST, AUTOMAXX-AS	1
D2055755	Plug Screw, M 45 x 3	1
10103503	Test Adapter, AirGo Compact	1
	Torque Wrench	2

***Annex. 2: Facility Requirements for EU CARE ASC:***

- 1. Workshop requirements: (Depends on the size of the market.)**
  - ✓ Floor space between 400 m<sup>2</sup> to 600m<sup>2</sup>.
  - ✓ Floor – 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. Compressor Room:**
  - ✓ 2.5mx 3m area reserved for air compressor used for SCBA cylinder refill and cascade system.
  - ✓ Appropriate power supply for compressor.
  - ✓ Fresh air source from outside will supply the compressor. A filter is to be installed on the outside.
  - ✓ Adequate room for a second compressor is needed and to be used for shop air (If required).
  - ✓ May be able to utilize main compressor for shop air instead of using 2<sup>nd</sup> compressor.
- 3. Water Supply and Drainage:**
  - ✓ A dual fiberglass or plastic wash sink is to be installed for soap and water wash of equipment. A 3'x 6' drying table should be installed adjacent to the sink for drainage and drying of equipment.
  - ✓ Water supply: Cold - fresh water supply is required.
    - Hot – 40 gallon minimum capacity with temperature maintained at 77-83° C.
  - ✓ Drainage: Adequate drains for soap water drainage in accordance with local regulations.
- 4. 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.
- 5. Lighting:**
  - ✓ Fluorescent lighting to be located over each work area to provide adequate light to perform repair service.
- 6. 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.
- 7. Parts Area:**
  - ✓ Floor racks and bins for parts storage. These can be either permanent or portable type.
- 8. Office space:**
  - ✓ An adequate space is to be separated for administration functions.
- 13. 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.
- 14. 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.