

Print date: 25. 1. 2021

Scope of validity:

UNIPETROL RPA, s.r.o.

and

UNIPETROL DOPRAVA, s.r.o.



ALARM WARNING MSA AUER MOTION SCOUT

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Valid from: 01/12/2020

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English version prepared by: External translation services

Only for internal purposes

List of changes

Change number	Page number		Subject of the change	Valid from	Approved by (position, signature)
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Warning: Change proceedings take place pursuant to Directive 821.

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1 Purpose

This work procedure describes the unified manner for using the automatic MSA AUER motion SCOUT alarm warning, which is designated for:

- BA users, as a mandatory protective equipment for work and all activities that are ordered to be conducted wearing BA. The alarm warning is borrowed together with BA at the BA centre rental shop.
- other employees (for example, when conducting work in enclosed hallways and facilities without BA, and in locations where employees are not sufficiently overseen).

2 Scope of validity

The document applies to the following designated companies:

UNIPETROL DOPRAVA, s.r.o. UNIPETROL RPA, s.r.o.

This issue replaces:

- Work procedure 16, "MSA AUER motion SCOUT alarm warning", Issue 1 from 15. 3. 2012.

This procedure should be binding for all employees that use the alarm warning at individual worksites or facilities on the premises of Chempark Záluží. It does not apply to FB, which has its own procedure.

3 Terms, definitions and abbreviations

FB	- Fire Brigade unit of UNIPETROL RPA, s.r.o.
BA	- Breathing apparatus
BA user	- Employee who has the right to use a breathing apparatus for the protection of his/her airways while working
Alarm warning	- Automatic MSA AUER motion SCOUT alarm warning
BA centre	- Breathing apparatus centre of IS STAR, s.r.o., which services breathing equipment for UNIPETROL RPA, s.r.o.
ZONE 0 – 2	- Explosion-hazardous areas

4 Using the automatic MSA AUER motion SCOUT alarm warning

4.1 Description of the MSA AUER motion SCOUT alarm warning

4.1.1 The automatic MSA AUER motion SCOUT alarm warning is a motion detector of the BA user, which can be used as an alarm apparatus or as a personal distress apparatus with automatic alarm initiation when there is no motion.

The alarm warning monitors movement or missing movement of the given BA user. It activates the acoustic and optical warning signals when it detects that the user has not moved for about 20 seconds. It can also be activated manually. The signaling systems warns other people and assists them in locating the BA user who becomes endangered.

The MSA AUER motion SCOUT alarm warning is impact, dust and water resistant and it is of a nonexplosive design with the below specified limitation.

Certifications:

EC declaration of conformity: www.msa-europe.com

- **Regulation ATEX 94/9/EC**

BVS 07 ATEX E 154; II 1G Ex ia IIC T3/T4; $-20\text{ °C} \leq T_a \leq +55\text{ °C}$

EN 60079-0: 2006, EN 60079-11: 2007, EN 60079-26:2004

- **Regulation EMC 2004/108/EC**

EN 61 000-6-2: 2006, EN 61 000-6-3: 2007

4.1.2 The MSA AUER motion SCOUT alarm warning is installed in a resilient and water resistant plastic case with rubber coating.

4.1.3 There are three light diodes on the case, which signal proper operation.

4.1.4 Battery status:

- when the diode flashes green, the battery is fully charged and the given functions are not limited in any way whatsoever

- when the diode flashes red, the battery has only 1 hour of operation left

4.1.5 Temperature warning:

- when overheating occurs, the alarm warning will make sounds with a 2-second interval as long as this condition lasts

Attention:

Avoid overheating of the alarm warning. Should it overheat, immediately move the alarm warning to a cooler environment. Otherwise its function can worsen or it can become completely dysfunctional.

4.2 Operation of the MSA AUER motion SCOUT alarm warning

4.2.1 The apparatus has three basic positions:

• **Off** – the alarm warning is not operating (stored in a warehouse, standby facility, workshop, etc.).

• **On** – the alarm warning is activated. Upon pressing the “ON/OFF” button, a notification sound is emitted (it lasts approximately 2 seconds). When turned on, the green control diode light starts also blinking (see Point 4.1.4.). The apparatus is thus turned on. The alarm warning is able to continuously operate for 8 hours. A functionality inspection should be conducted when it is collected at the BA centre, prior to the commencement of the given work, prior to making rounds, etc. The inspection should test the apparatus status and battery capacity.

Should there be no movement for approximately twenty seconds, the alarm warning starts emitting warning signals with a reduced volume for about 15 seconds. Should the given BA user not be able to move during this preliminary warning signal, the complete warning signal is then emitted.

- **Activation** – the apparatus is activated (a high pitch sound is activated - it signals a crisis condition of the given employee). The activation is initiated by the warning signal button located under the diode that signals the battery status. The reasons of a manual activation include nausea, injury, BA malfunction or any other problem.

The emitted signal can be only cancelled by turning the alarm warning off by simultaneously pressing the warning signal button and the ON/OFF button for approximately 5 seconds.

- 4.2.2 It is forbidden to turn off the alarm warning while working or to let it emit the acoustic warning signal for no reason.
Should the alarm warning stop working during work for any reason, the given employee - BA user must immediately return!
- 4.2.3 Should the apparatus start emitting a high pitch notification sound while the employee has no problem, the apparatus should be turned off (by simultaneously holding both buttons) and restarted.

4.3 Issuing the MSA AUER motion SCOUT alarm warning

- 4.3.1 The BA centre – st. 2826 organizes landing, service, inspections, repairs and battery charging for the alarm warning equipment (available 24 hours a day – tel. 4047).
- 4.3.2 Together with an BA, the BA user also receives 1 alarm warning, which he/she inspects (functions and battery), upon which he/she turns it off.
The borrowing party is responsible for the borrowed alarm warning! Should it be lost, damaged or depreciated in some other manner, proceed in accordance with Directive 074/1.
- 4.3.3 Upon the work completion, the BA user should turn the alarm warning off and return it, together with the breathing apparatus, to the respirator BA centre.

4.4 General instructions

- 4.4.1 Managerial employees should maintain records on the people who currently have alarm warnings and where they work with them and on the people who signed off after their work completion.
- 4.4.2 Managerial employees inform the other employees about the possibilities of the alarm warning signals. They should prepare a worksite procedure (rules) for the warning signals pursuant to the given worksite for searching and rescuing the given alarm warning user.
- 4.4.3 Training on the use of the alarm warning forms a part of the training of the BA users (see Directive 422, Service and use of the respirator equipment).
- 4.4.4 Employee who, by breaching this regulation or related regulations, with which he/she has been demonstrably acquainted, causes:
- damage to the employer, is obliged to pay for the incurred damage pursuant to the stipulations of the Labor Code on the employee responsibility for damages,
 - an injury or work-related sickness to himself/herself, should not have the right to claim any employer's liability for the damages in the extent specified by the given stipulation of the Labor Code.

5 Responsibility

Activity	BA user	Managerial employee	FB	Respirator technology center	Article number
Apparatus operation	R/A	I		C	4.2
Functionality inspection	R/A			C	4.2.1
Complying with the general principles for working with MSA AUER motion SCOUT	R/A	C		C	4.2
Conducting maintenance and tests of the MSA AUER motion SCOUT apparatus	R/A	I		R/A	4.2

Explanatory notes: **R** - RESPONSIBLE - performer
 A - ACCOUNTABLE - is fully accountable if not conducted
 C - CONSULT – included in the process
 I - INFORM - is kept informed

[RACI matrix with comments \(pursuant to the "Improving efficiency of the processes and their optimization" policy\)](#)

6 List of related documents

Directive 074/1	Reporting of and for of incurred damages
Directive 422	Respirator technology service and use
PRP 14	MSA Auer AirGO air breathing apparatus
PRP 17	MSA Auer AirMaxx air breathing apparatus
PRP 18	MSA Auer AirElite4h oxygen breathing apparatus

7 Appendixes

Appendix A MSA AUER motion SCOUT alarm warning – details:



1. **ON/OFF button**
2. **Red diode of the warning signaling system**
3. **Indication diode of the battery status**
4. **Button of the warning signaling system**