

NIOSH CBRN and NFPA 1981 Approval Confirmation

SCBA Manufacturer Information	
Manufacturer	Mine Safety Appliances, Ryan Laboratory
Address	1100 Cranberry Woods Drive
	Cranberry Township, Pennsylvania 16066-5204
Manufacturer Representative	Mr. Jeffrey Gutshall
SCBA Model	G1

NIOSH Application Information	
42 CFR Part 84 Approval No./Task No.	TC-13F-0785, TC-13F-0786, TC-13F-0787, and TC-13F-0788 - TN-19660
CBRN Approval No./Task No.	TC-13F-0785CBRN, TC-13F-0786CBRN, TC-13F-0787CBRN, and TC-13F-0788CBRN - TN-19672
CBRN Assembly Matrix/Revision No.	3102-654AM_CBRN_r0.xls, revision Rev 0 dated 11/17/2014
Tentative Approval Letter Date	November 19, 2014

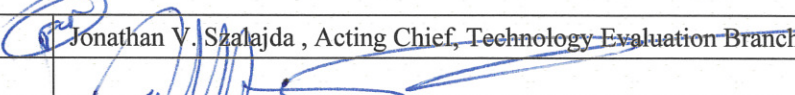
SEI Submittal Information	
SEI Reference Number	SBA MSA 08 with Variants & Accessories
Submittal Date	August 20, 2014

Type of Submittal	New Approval	Extension of Approval
	√	


Does SCBA Comply With EOSTI Requirement covered by Paragraph 6.2.6 of NFPA 1981-2013 (i.e., EOSTI shall activate at 33 %, +5/-0 % of full cylinder pressure? (to be completed by NIOSH)	Yes/No
	YES

Does SCBA Comply With EBSS Performance Requirements covered by Sections 7.20 & 8.27 of NFPA 1981-2013? (to be completed by SEI)	Yes/No
	NO – Not Submitted

NIOSH CBRN Compliance Statement: This document will serve to confirm that the SCBA Model indicated above (covered by the above noted NIOSH Task Number) has successfully completed all of the applicable requirements of the **NIOSH 42 CFR Part 84 and CBRN Approval Program**.

Authorized NIOSH Representative	Jonathan V. Szalajda, Acting Chief, Technology Evaluation Branch
Date: 11-19-2014	

NFPA 1981-2013 Compliance Statement: This letter document will serve to confirm that the SCBA Model indicated above (covered by the above noted SEI Reference Number & Submittal Date) has successfully completed all of the applicable requirements of **NFPA 1981, Standard on Open-Circuit Self-Contained Breathing Apparatus for Emergency Services, 2013 Edition**.

Authorized SEI Representative	Stephen R. Sanders, Technical Director
Date: November 19, 2014	



DEPARTMENT OF HEALTH & HUMAN SERVICES

Centers for Disease Control and Prevention (CDC)

National Institute for Occupational Safety and Health (NIOSH)
National Personal Protective Technology Laboratory (NPPTL)
P.O. Box 18070
Pittsburgh, PA 15236-0070
Phone: 412-386-4000
Fax: 412-386-4051
November 20, 2014

NIOSH Reference: TN-19672
Mfr. Reference: MSA1382BCBRN

Mr. Jeffrey Gutshall
Supervisor, Standards Compliance
Mine Safety Appliances, Ryan Laboratory
1100 Cranberry Woods Drive
Cranberry Township, Pennsylvania 16066-5204

Dear Mr. Gutshall:

The National Institute for Occupational Safety and Health (NIOSH) has reviewed your request dated May 30, 2014 and accepted June 4, 2014, seeking four new Open-Circuit, Pressure-Demand, Entry and Escape, CBRN, Self-Contained Breathing Apparatus (SCBA) for Chemical, Biological, Radiological, and Nuclear (CBRN) protection for the model G1, the configurations that are defined on assembly matrix 3102-654AM_CBRN_r0.xls, revision Rev 0 dated 11/17/2014.

These respirators have met the NIOSH requirements of Title 42, Code of Federal Regulations, Part 84 (42 CFR 84) under TN-19660 under approval numbers TC-13F-0785, TC-13F-0786, TC-13F-0787, and TC-13F-0788 as listed on assembly matrix 3102-654AM_part84_r1.xls, revision 1, dated 9/19/2014.

This request is granted. The approval numbers shown in the following table have been assigned for the four new respirator configurations defined on assembly matrix 3102-654AM_CBRN_r0.xls, revision Rev 0 dated 11/17/2014. Approvals are granted only for documentation written in the English language. It is the manufacturer's responsibility to correctly translate materials desired in languages other than English.

Table with 4 columns: Approval Number TC-as shown, Model Number, Description, Protection. Rows include TC-13F-0785CBRN, TC-13F-0786CBRN, TC-13F-0787CBRN, and TC-13F-0788CBRN.

1Protection - Codes are defined on the approval labels.

The configurations identified under TC-13F-0785CBRN, TC-13F-0786CBRN, TC-13F-0787CBRN, and TC-13F-0788CBRN have met the NIOSH requirements for CBRN protection under the provisions of Title 42, Code of Federal Regulations, Part 84 (42 CFR 84), and the NIOSH

Letter to All Respirator Manufacturers, dated December 28, 2001. Additionally, the G1 configurations have been evaluated by the Safety Equipment Institute (SEI) as a configuration meeting the requirements of **NFPA 1981, *Standard on Open-Circuit Self-Contained Breathing Apparatus for Emergency Services, 2013 Edition***, (see attached letter).

The CD enclosed with this letter contains the final respirator approval label. The cautions and limitations which apply to these approvals are on the approval label. Only those assemblies affected by this request, or where new approval numbers are assigned, apply to this approval action. Production approval labels cannot include information on unapproved configurations.

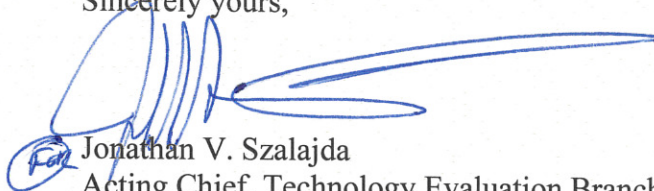
The use of this approved device in combination with any other additional respirator components not covered under this approval renders this certification invalid.

The approved assemblies consist of the parts as listed on the approval labels and the assembly matrices. Parts are to be marked with the numbers indicated on the approval label in a legible and permanent manner (marking cannot be removed without evidence of its previous presence).

This certificate of approval is not an endorsement of the respirators by NIOSH, and such endorsement shall not be stated or implied in advertisements or other publicity. However, you may publicize the fact that these respirators have met the requirements of Title 42, *Code of Federal Regulations*, Part 84 (42 CFR 84).

No additional changes may be made to any respirators and accompanying documentation without prior written approval of NIOSH. Requests for changes must be submitted to NIOSH and a modification of this approval must be granted before any changes are made.

Sincerely yours,



Jonathan V. Szalajda
Acting Chief, Technology Evaluation Branch
National Personal Protective Technology Laboratory

Enclosures



November 19, 2014

Mr. Jeffrey Gutshall
Mine Safety Appliances Company
1100 Cranberry Woods Drive
Cranberry Township, PA 16066-5204

Certification Letter
SEI Ref. No.: SBA MSA 08/Variant 810
MSA Ref. No.: SP13-82D

Dear Mr. Gutshall:

We are pleased to confirm that the integrated nonremovable PASS device indicated below is certified by the Safety Equipment Institute, effective November 19, 2014. Certification was successfully completed in accordance with the requirements of *NFPA 1981, Standard on Open-Circuit Self-Contained Breathing Apparatus for Emergency Services, 2013 Edition* and *NFPA 1982, Standard on Personal Alert Safety Systems (PASS), 2013 Edition*.

Brand Name	Model No.	Description (+)
G1 PASS Device integrated with G1 SCBA	7-2809-1	G1 Power Module Assembly, without telemetry (RF PASS)
	7-2810-1	G1 Power Module Assembly, with telemetry (RF PASS) (#)
	7-2813-1	G1 Battery Pack
	7-2815-1	G1 Control Module Assembly, 2216 psig
	7-2816-1	G1 Control Module Assembly, 4500/5500 psig

(+) – The G1 PASS Device consists of an interconnected Power Module Assembly, Control Module Assembly and Battery Pack.

(#) – Includes compliance with NFPA 1982-2013 RF PASS requirements.

The G1 PASS device integrated with G1 SCBA was submitted for certification to both NFPA 1981-2013 and NFPA 1982-2013 with your submittal package of August 20, 2014. Testing and evaluation for the submittal, was authorized on September 22, 2014 and completed on October 31, 2014.



Safety Equipment Institute
1307 Dolley Madison Blvd. Suite 3A McLean, Virginia 22101
Tel: 703/442-5732 FAX: 703/442-5756
www.SEInet.org



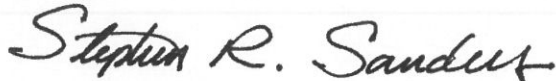
The SEI Certification Mark may be used in the marketing, packaging and promotion of the model detailed above, in accordance with the provisions of the SEI Certification Program Manual.

Per the SEI Certification Program Manual, SEI shall certify the manufacturer's product model(s) and grant the right to use the SEI certification mark when 1) the Testing Laboratory has determined that the product model submitted and tested successfully meets the appropriate product standard, 2) the Quality Assurance Auditor has determined that the manufacturer complies with SEI quality assurance requirements through an on-site audit, including a review of the quality manual and procedures, 3) the manufacturer has paid all fees, and 4) product liability insurance requirements are met.

Following initial certification, all product models are tested, at least annually, and are selected by the SEI auditor during the annual quality assurance audit. SEI's certification program is accredited as a System Type 5 per ISO/IEC 17067:2013(E).

Thank you for your participation in the SEI Certification Program. If you have any questions, please contact the SEI Office.

Sincerely,



Stephen R. Sanders
Technical Director



Patricia A. Gleason
President

cc: Ms. Ashley Lotzmann, MSA
Ms. Heather Dannhardt, MSA
Mr. Jonathan Szalajda, NIOSH-NPPTL
Mr. Jules Pinto, SEI Auditor



November 19, 2014

Mr. Jeffrey Gutshall
Mine Safety Appliances Company
1100 Cranberry Woods Drive
Cranberry Township, PA 16066-5204

Certification Letter
SEI Reference No.: SBA MSA 08
MSA Ref. No.: SP13-82D

Dear Mr. Gutshall:

We are pleased to confirm that the SCBA indicated below is certified by the Safety Equipment Institute, effective November 19, 2014. Initial certification testing was successfully completed in accordance with the requirements of *NFPA 1981, Standard on Open-Circuit Self-Contained Breathing Apparatus (SCBA) for Emergency Services, 2013 Edition*.

SEI Reference No.	Brand Name/Model No.	NIOSH/SEI Assembly Matrix No./Revision	Passed Testing
SBA MSA 08 with associated variants and accessories	G1 SCBA 30 min. 2216 psig 30 min. 4500 psig 45 min. 4500 psig 60 min. 4500 psig	3102-654AM_CBRN_r0 Revision 0 Dated 11/17/2014	Oct. 31, 2014

The G1 SCBA was submitted for NFPA 1981-2013 certification with your submittal package of August 20, 2014. Testing for the submittal, which covers configurations as noted in the above NIOSH/SEI Assembly Matrix, was authorized on August 20, 2014. Notification of NIOSH 42 CFR 84 approval has been received from NIOSH and is on file.

Additionally, SEI has received confirmation (see attached) from NIOSH that configurations as shown on NIOSH CBRN Approval Numbers TC-13F-0785CBRN, TC-13F-0786CBRN, TC-13F-0787CBRN, and TC-13F-0788CBRN have successfully completed NIOSH CBRN testing.



Safety Equipment Institute
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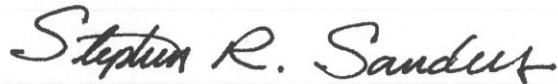


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Sincerely,



Stephen R. Sanders
Technical Director



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