3933 US Route 11
Cortland, NY 13045

Telephone: +1 607 753 6711
Facsimile: +1 607 756 9891
www.intertek-etlsemko.com

November 21, 2007

Alick Jameson
Audiopack Technologies
4933 Neo Parkway
Garfield Heights, OH 44128-3101

SUBJECT: INTERTEK Job No. 3137906
INTERTEK Report No. 3123030CRT-002

Dear Mr. Jameson:

INTERTEK has completed our evaluation of your Communication System, Models: VPS, RCS, Microphone and Nozzle Cover.

Enclosed is one copy of the Listing Report for your records. A copy of this Listing Report will be sent to the INTERTEK Field Representative for use at the time of the Initial Plant Inspection. **Please be advised that distribution of copies to the manufacturer(s) is your responsibility.**

You or your manufacturer will receive the Authorization to Mark form from our Follow-Up Service Department. This form will be forwarded directly to your manufacturing facility. The inspection of this product will be included with your next regularly scheduled follow-up service visit. If you have any questions regarding the Authorization to Mark form, please contact Melissa Martin at (607) 758-6355.

Please contact the undersigned if you have any questions regarding the enclosed Listing Report.

Sincerely,

Jedd Smith
Project Engineer
INTERTEK Cortland Office

Enclosures

cc: Certification & Surveillance Services Office, Cortland, NY USA

AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

Control Number: _____ **Authorized by:** _____ **Date:** _____
William T. Starr, Certification Manager

This document supercedes all previous Authorizations to Mark for the noted Report Number.

Intertek Testing Services NA Inc.
165 Main Street, Cortland, NY 13045
Telephone 800-345-3851 or 607-753-6711 Fax 607-756-6699

Applicant:	Audiopack	**Manufacturer:**	
Address:	4933 Neo Parkway Garfield Heights, OH 44128	**Address:**	
Country:	USA	**Country:**	
Contact:	Mr. Alick Jameson	**Contact:**	
Phone:	(216) 332-7040 x172	**Phone:**	

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Cortland

Standards:	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1 Hazardous (Classified) Locations [UL 913, 6th Edition, Dated: August 9, 2004] Intrinsically Safe and Non-incendive Equipment for Use in Hazardous Locations [CAN/CSA-C22.2 No. 157-92, Dated: June 2003]
Product :	VPS(Voice Protection System), RCS(Radio Communications System), Microphone, and Nozzle Cover, For Use In: Class I, II, and III, Division 1, Groups C - G Hazardous Locations, Operating Temperature Code: T4, Ambient Temperature Range: -20°C to +40°C, Batteries Used: 3 AAA Alkaline Energizer type E92 or Duracell type MN2400, When installed in accordance with Control Drawing 22414
Models:	22694, 22698, 22699, 22697

Listing Constructional Data Report (CDR)

1.0 Reference and Address			
Report Number	3123030CRT-002	Original Issued: 8-Nov-07	Revised: None
Standards	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1 Hazardous (Classified) Locations [UL 913, 6th Edition, Dated: August 9, 2004] Intrinsically Safe and Non-incendive Equipment for Use in Hazardous Locations [CAN/CSA-C22.2 No. 157-92, Dated: June 2003]		

Applicant	Audiopack	Manufacturer	Same As Applicant
Address	4933 Neo Parkway Garfield Heights, OH 44128	Address	
Country	USA	Country	
Contact	Mr. Alick Jameson	Contact	
Phone	(216) 332-7040 x172	Phone	

2.0 Product Description	
Product	VPS(Voice Protection System), RCS(Radio Communications System), Microphone, and Nozzle Cover, For Use In: Class I, II, and III, Division 1, Groups C - G Hazardous Locations, Operating Temperature Code: T4, Ambient Temperature Range: -20°C to +40°C, Batteries Used: 3 AAA Alkaline Energizer type E92 or Duracell type MN2400, When installed in accordance with Control Drawing 22414
Brand name	NA
Description	The Survivair System consists of a VPS (Voice Protection System) and RCS (Radio Communications System) and a microphone that is mounted in a mask. The VPS and RCS are powered by 3 AAA Alkaline batteries
Models	22694, 22698, 22699, 22697
Model Similarity	NA
Ratings	4.5V, 425mA, Operating Temperature Code: T4, Ambient Temperature -20°C to +40°C
Other Ratings	NA

3.0 Product Photographs

Photo 1 shows an overall view of the VPS, RCS, and Nozzel Cover.

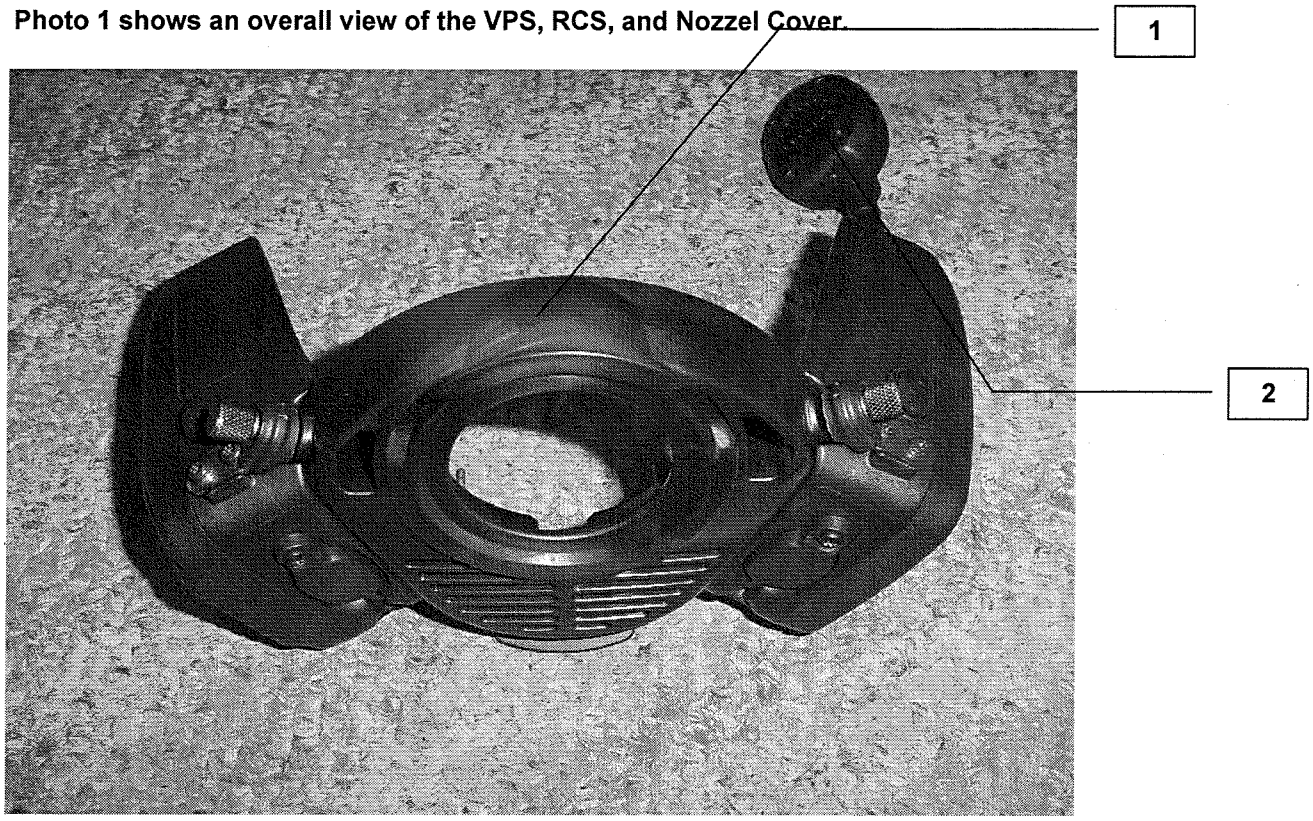


Photo 2 shows the inside of the RCS and the top of the PCB.

3.0 Product Photographs

Photo 3 shows the opposite side of the PCB of the RCS unit.

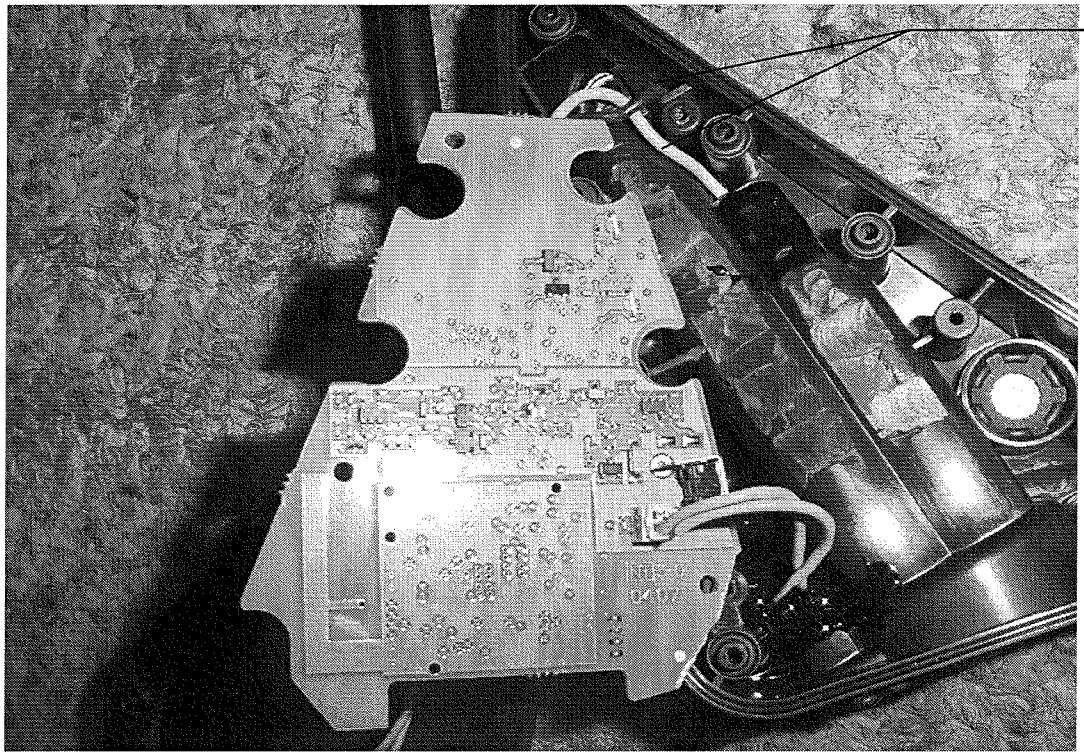
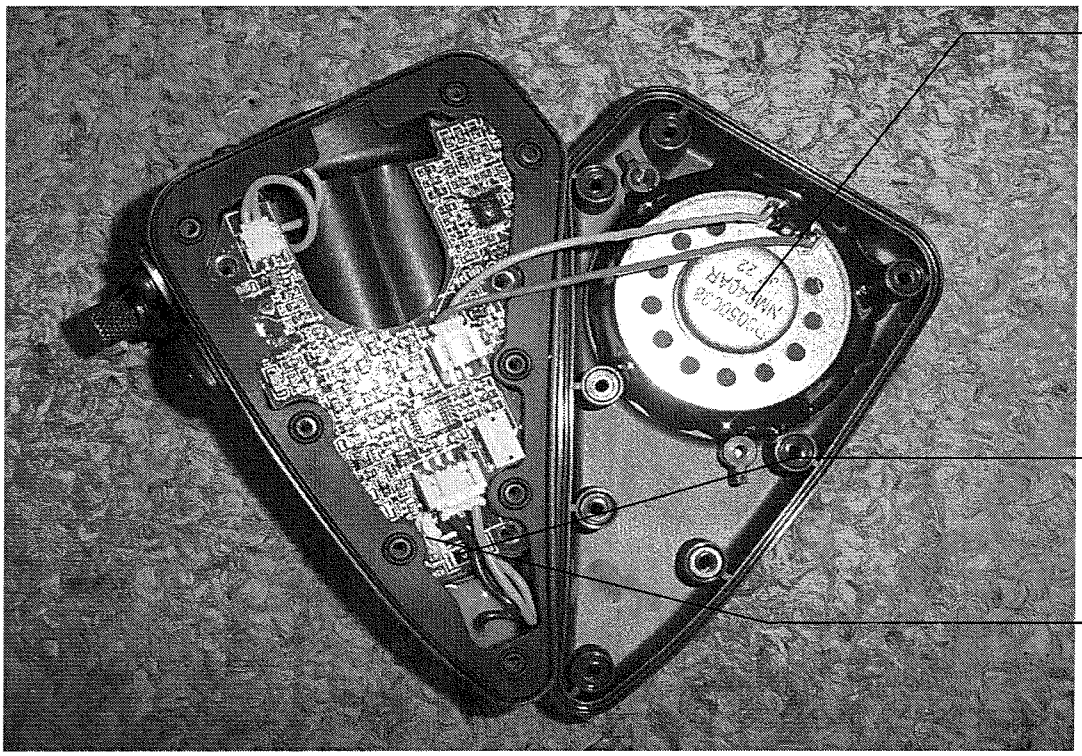
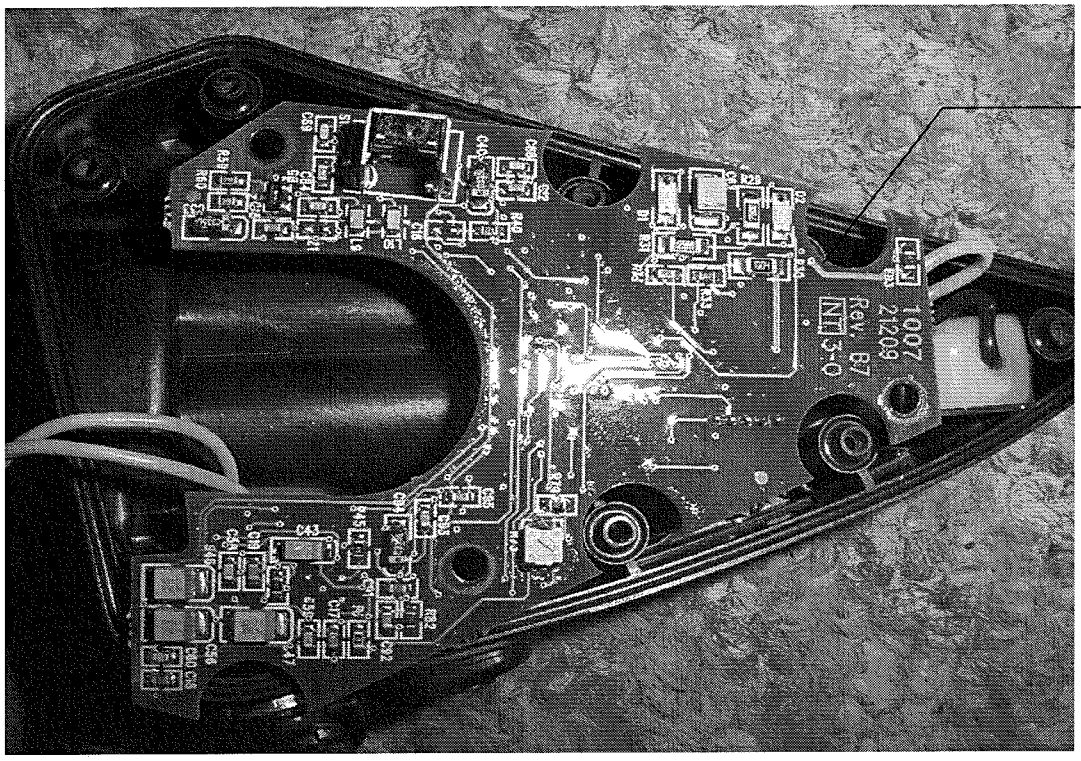


Photo 4 show the inside of the VPS unit.



3.0 Product Photographs

Photo 5 shows the opposite side of the VPS PCB.



4.0 Critical Listed Components						
Photo no.	Item no.	Name[1]	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity[3]
2	5	Printed Circuit Board	NA	NA	4 Layer, Flame Rating: FR-4, 0.062" minimum thickness	UR
2	3	Fuse	Littelfuse	466.25	025A, 125V, -55°C to 90°C	UR & CSA
4	10	Potting Material	GE Silicones	RTV162	205°C, Used to cover fuse	UR
5	11	Printed Circuit Board	NA	NA	4 Layer, Flame Rating: FR-4, 0.062" minimum thickness	UR
	40	Marking Label	NA	NA	Material: 0.002 Thick kwik-Kals Polyester laminated with 0.001 thick clear polyester, PSA-IM20	UR

NOTES:
1) Not all item numbers are indicated (called out) in the photos, as their location is obvious.
2) "Various" means any type, from any manufacturer that complies with the "Technical data and securement means" can be used.
3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component.

5.0 Critical Unlisted Components								
Photo no.	Item no.	Name	Manufacturer/ trademark	Type / model	Technical data and securement means	Freq [1]	Qty [2] send to CEC	Required Action[3]
1	1	Enclosure Material	NA	NA	Glass Filled Polyphithalamide(PPA), Gasket: Silicone	Qtr	0	Visual
1	2	Speaker	NA	NA	0.5W, 6.8Ω minimum	Qtr	0	Visual
1	12	Battery	Energizer or Duracell	E92 or 2400	AAA Alkaliine	Qtr	0	Visual
2	4	Resistor	NA	NA	3.6Ω, 1W, 5%, 2512 package	Qtr	0	Visual
2	6	RCS Enclsoure	NA	NA	Glass Filled Polyphithalamide(PPA)	Qtr	0	Visual
2	13	Capacitor	NA	NA	C2, C5, C13, C15, C16, C17, C19, C20, C21, C32, C34, C37, C40, C42, C45, C65, C86 - 0.1µF, 16V, 10%	Qtr	0	Visual
2	14	Capacitor	NA	NA	C87 - 27pF, 20%	Qtr	0	Visual
2	15	Capacitor	NA	NA	C3, C4 - 0.033µF, 16V, 10%	Qtr	0	Visual
2	16	Capacitor	NA	NA	C30 - 0.5pF, 10V, 20%	Qtr	0	Visual
2	17	Capacitor	NA	NA	C49 - 3300pF, 10V, 20%	Qtr	0	Visual
2	18	Capacitor	NA	NA	C51 - 1.0pF, 10V, 20%	Qtr	0	Visual
2	19	Capacitor	NA	NA	C28 - 0.033µF, 10V, 20%	Qtr	0	Visual
2	20	Capacitor	NA	NA	C8, C11 - 4.7µF, 10V, 20%	Qtr	0	Visual
2	21	Capacitor	NA	NA	C47, C48 - 0.0047µF, 10V, 20%	Qtr	0	Visual
2	22	Capacitor	NA	NA	C18, C41, C44, C46, C50 - 1µF, 10V, 20%	Qtr	0	Visual
2	23	Capacitor	NA	NA	C22, C23 - 6.8pF, 10V, 20%	Qtr	0	Visual
2	24	Capacitor	NA	NA	C26, C29 - 10pF, 10V, 20%	Qtr	0	Visual
2	25	Capacitor	NA	NA	C39 - 0.0033µF, 10V, 20%	Qtr	0	Visual
2	26	Capacitor	NA	NA	C36 - 1000pF, 10V, 20%	Qtr	0	Visual
2	27	Capacitor	NA	NA	C31 - 3.3µF, 10V, 20%	Qtr	0	Visual
2	28	Capacitor	NA	NA	C9, C12, C14, C25, C33, C35, C38, C43, C52, C54-C64, C67, C68, C69, C71, C73, C75-C83, C85, C88-C92 - 330pF, 10V, 20%	Qtr	0	Visual
2	29	Capacitor	NA	NA	C72 - 2.2µF, 10V, 20%	Qtr	0	Visual

5.0 Critical Unlisted Components								
3	7	Battery Wires	New England Wire	Red - N36-32T-1`00-3 and Black - N36-32T-100-2	24AWG, 0.02" Silicone insulation	Qtr	0	Visual
4	8	Speaker	NA	NA	0.5W, 13.6Ω minimum	Qtr	0	Visual
4	9	Resistor	NA	NA	3.6Ω, 1W, 5%, 2512 package	Qtr	0	Visual
4	30	Capacitor	NA	NA	C5 - 33pF, 25V, 10%	Qtr	0	Visual
4	31	Capacitor	NA	NA	C2-C4, C11, C13, C23, C27,C28,C44,C48,C75, C81,C82 - 0.1µF, 16V, 10%	Qtr	0	Visual
4	32	Capacitor	NA	NA	C12, C15, C17, C18, C19, C88, C91, C95 - 0.1µF, 16V, 10%	Qtr	0	Visual
4	33	Capacitor	NA	NA	C7 - 6800pF, 25V, 5%	Qtr	0	Visual
4	34	Capacitor	NA	NA	C92 - 1200pF, 50V, 5%	Qtr	0	Visual
4	35	Capacitor	NA	NA	C20 - 330pF, 25V, 10%	Qtr	0	Visual
4	36	Capacitor	NA	NA	C33, C34, C39, C42, C55 - 3.3µF, 20%	Qtr	0	Visual
4	37	Capacitor	NA	NA	C40, C94 - 3.3µF, 20%	Qtr	0	Visual
4	38	Capacitor	NA	NA	C43 - 2.2µF, 10V, 10%	Qtr	0	Visual
4	39	Capacitor	NA	NA	C46, C47, C56, C62 - 47µF, 10V, 10%	Qtr	0	Visual
4	40	Capacitor	NA	NA	C49, C52, C53 - 4.7µF, 16V, 10%	Qtr	0	Visual
4	41	Capacitor	NA	NA	C45, C51, C54, C57, C61 - 2.2µF, 16V, 10%	Qtr	0	Visual
4	42	Capacitor	NA	NA	C50 - 0.01µF, 25V, 5%	Qtr	0	Visual
4	43	Capacitor	NA	NA	C68, C71, C76, C77, C80, C83 - 27pF, 100V, 5%	Qtr	0	Visual
4	44	Capacitor	NA	NA	C58, C59, C60, C84, C86, C89, C93 - 27pF, 100V, 5%	Qtr	0	Visual
	45	Schematic	NA	NA	Title: Survivair RCS Radio Communications System, Drawing Number: 21422, Revision: 10, Dated: 04/09/07	Qtr	0	Visual
	46	Schematic	NA	NA	Title: Survivair VPS Voice Protection System, Drawing Number: 21208-B8-IS, Revision: B8, Dated: 04/23/07	Qtr	0	Visual

5.0 Critical Unlisted Components								
	47	RCS Assembly PCB	NA	NA	Title: Assembly PCB, Survivair, RCS, Drawing Number: 21423, Revision: 81, Dated: 02/08/07	Qtr	0	Visual
	48	VPS Assembly PCB	NA	NA	Title: Assembly, SS1 VPS, Drawing Number: 21210, Revision: 12, Dated: 06/13/07	Qtr	0	Visual
	49	Markings	NA	NA	Engraved in the enclosure	Qtr	0	Visual

NOTES:
1) Quarterly, semi-annual, annual.
2) Indicate any samples not available and provide the anticipated date that the component will be available.
3) Required Action (select one of the three): Visual / Partial / Full Evaluation

6.0 Critical Features

Recognized Component – A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability.

Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings.

Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a listed or recognized component that is being used outside of its evaluated Listing or component recognition.

Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.

Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.

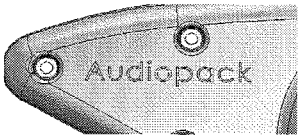
1. Spacing - Minimum spacings are maintained between: non-intrinsically safe circuits and intrinsically safe circuits, different intrinsically safe circuits, opposite polarities of battery assemblies, and opposite polarities of protective components.
2. Mechanical Assembly - Components are reliably mounted and prevented from shifting or rotating by positive means as described in the text of this report.
3. Corrosion Protection - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
4. Protective Components and Features - Fuses, Current-Limiting Resistors, Shunt Voltage Limiters, Blocking Components, Isolating Elements, and Encapsulation are specifically identified in the proceeding sections and shall not be substituted by equivalent unless specifically noted.
5. Internal Wiring - Internal wiring is reliably routed away from sharp or moving parts. At points where internal wiring passes through metal walls or partitions, the wiring insulation is protected accordingly. Internal wiring leads are made mechanically secure prior to termination as described in the text of this report.
6. Schematics - Refer to Illustrations 3 and 4 for schematics requiring verification during Field Representative Inspection Audits.
7. Markings - The product is visibly marked in a permanent manner, accordingly as described in the text of this report.
8. Installation, Operating and Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer as required by the standard. Refer to Illustration 9 for details.

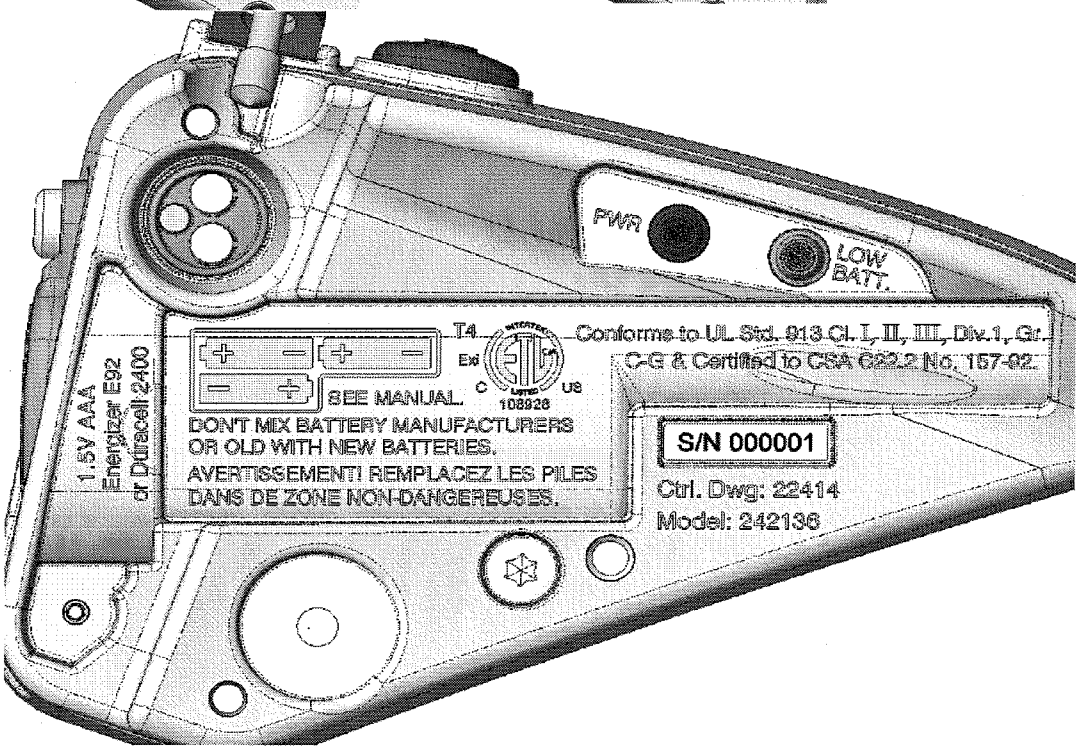
7.0 Illustrations

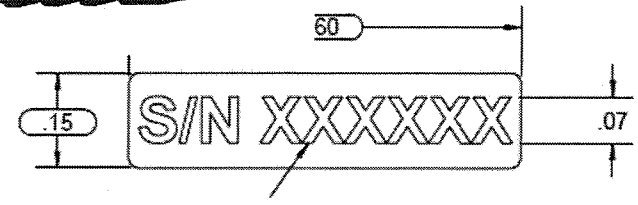
Illustration 1

Multiple Listee marking

Applicant's Marking

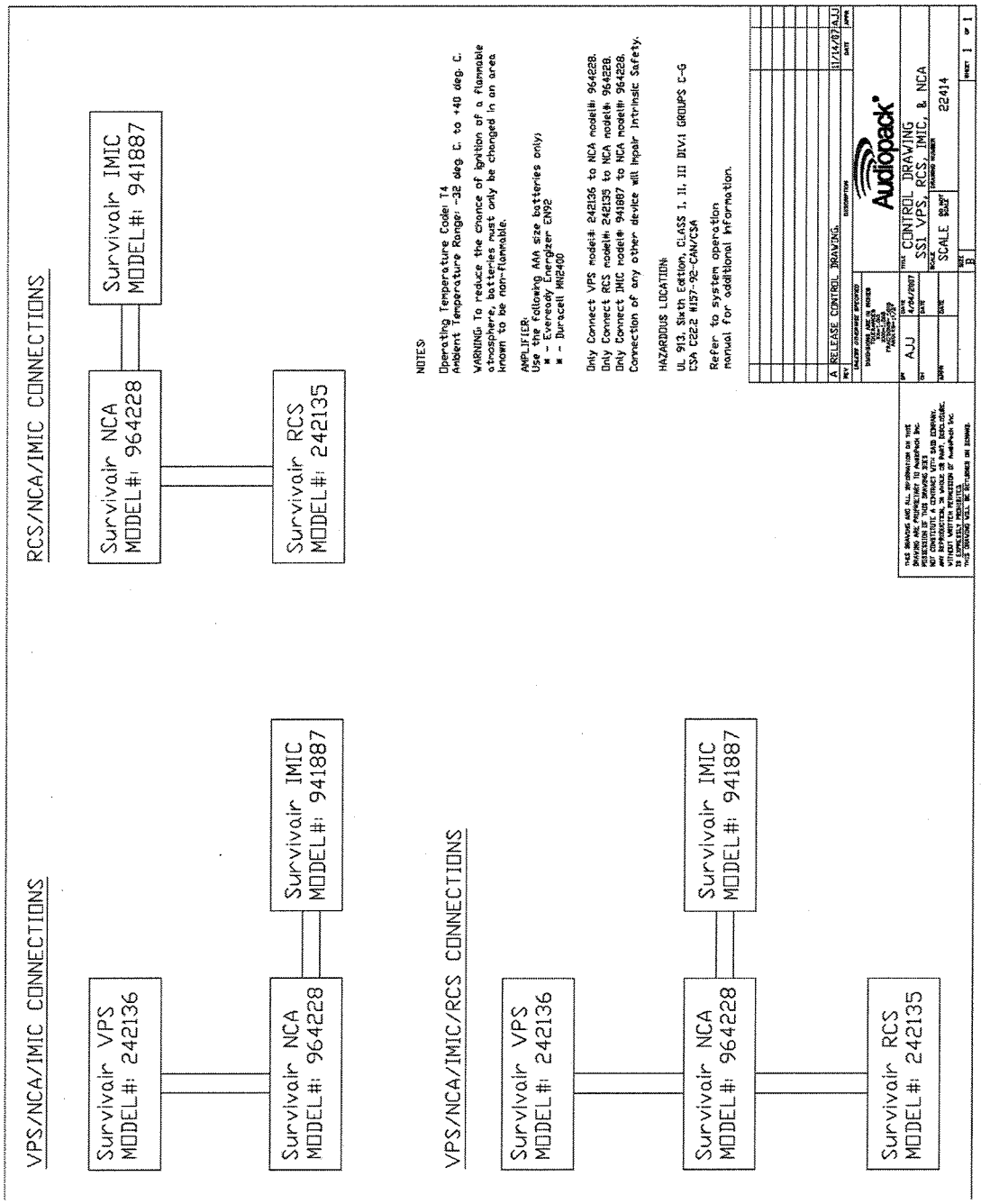






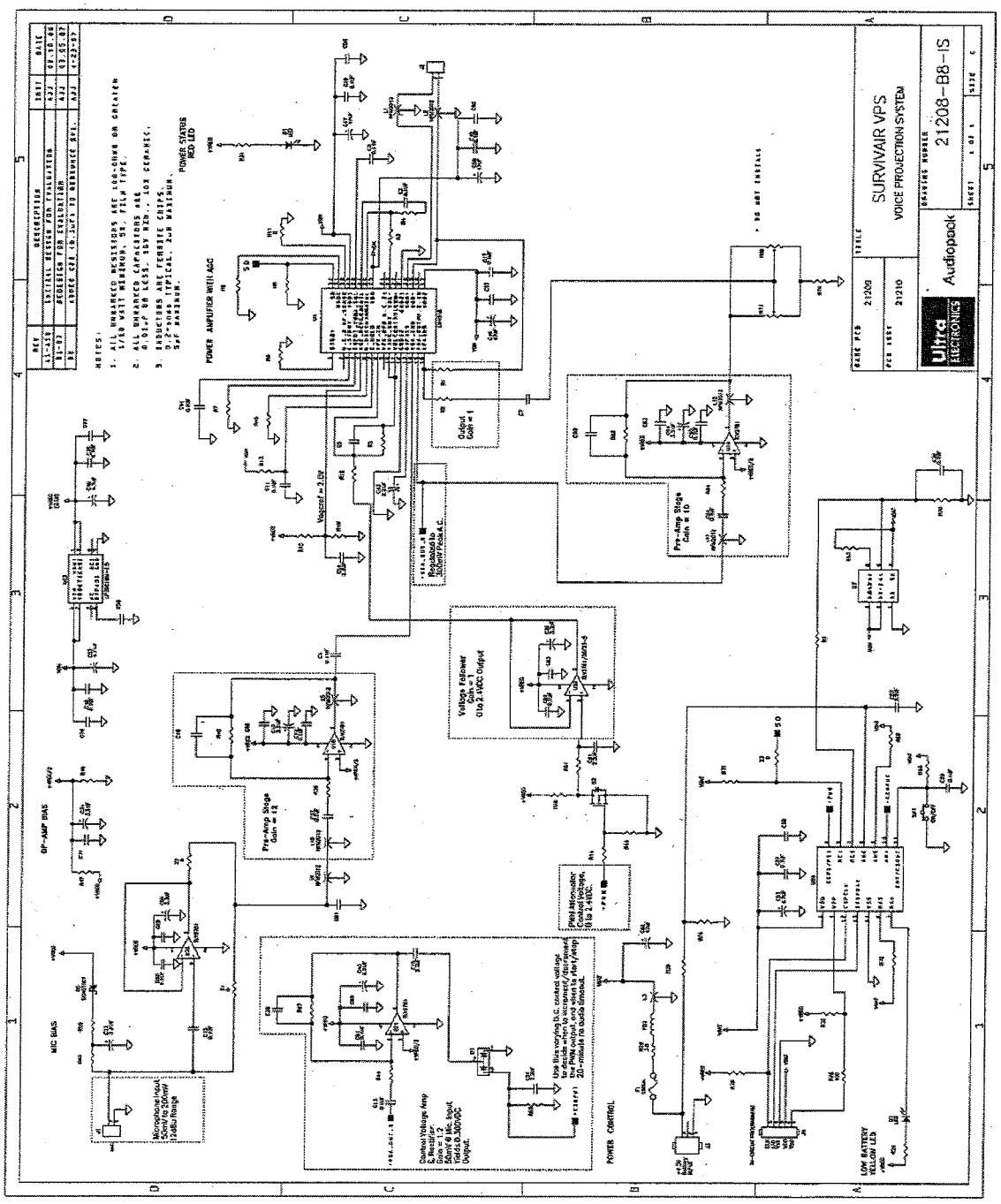
7.0 Illustrations

Illustration 2



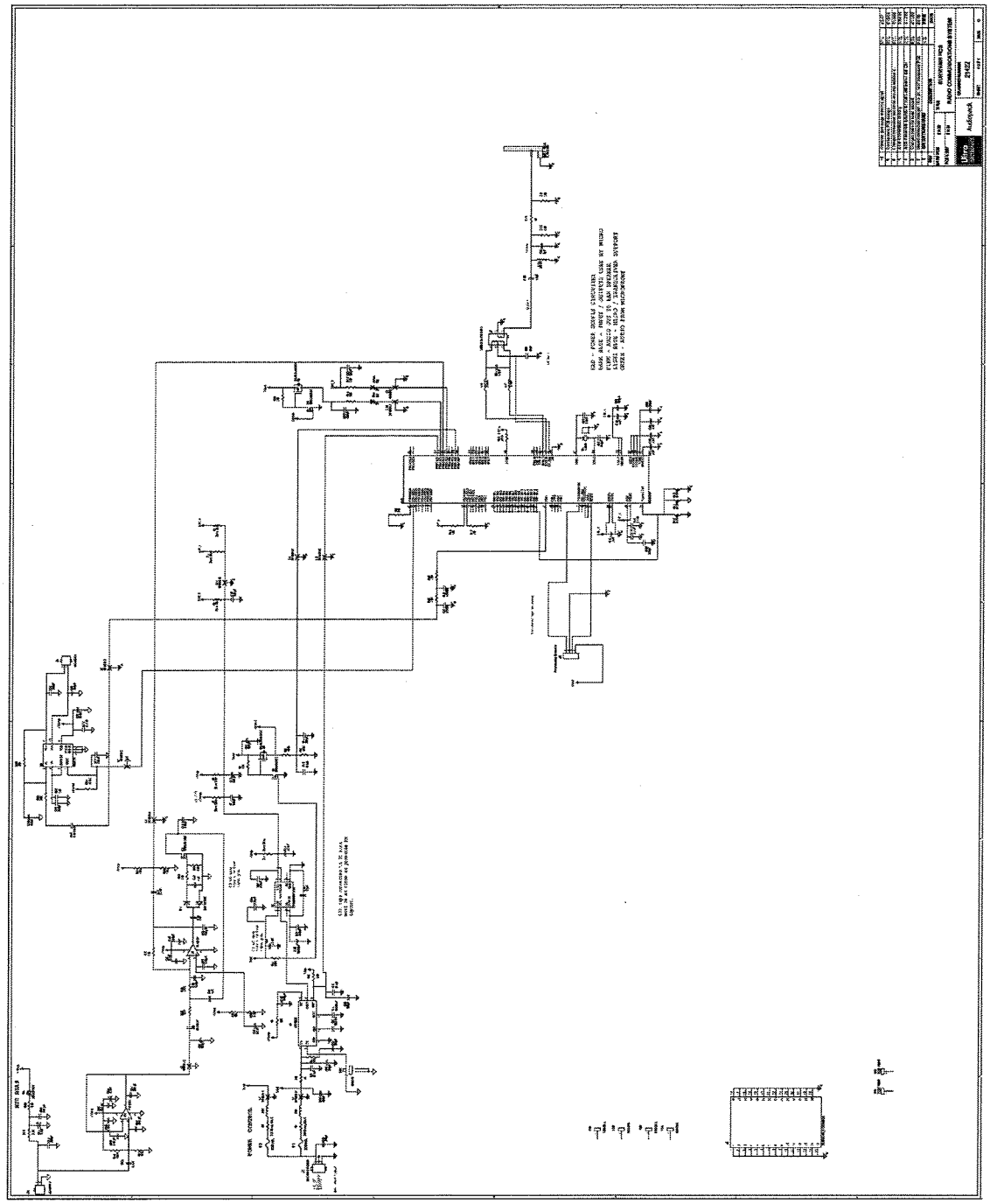
7.0 Illustrations

Illustration 3



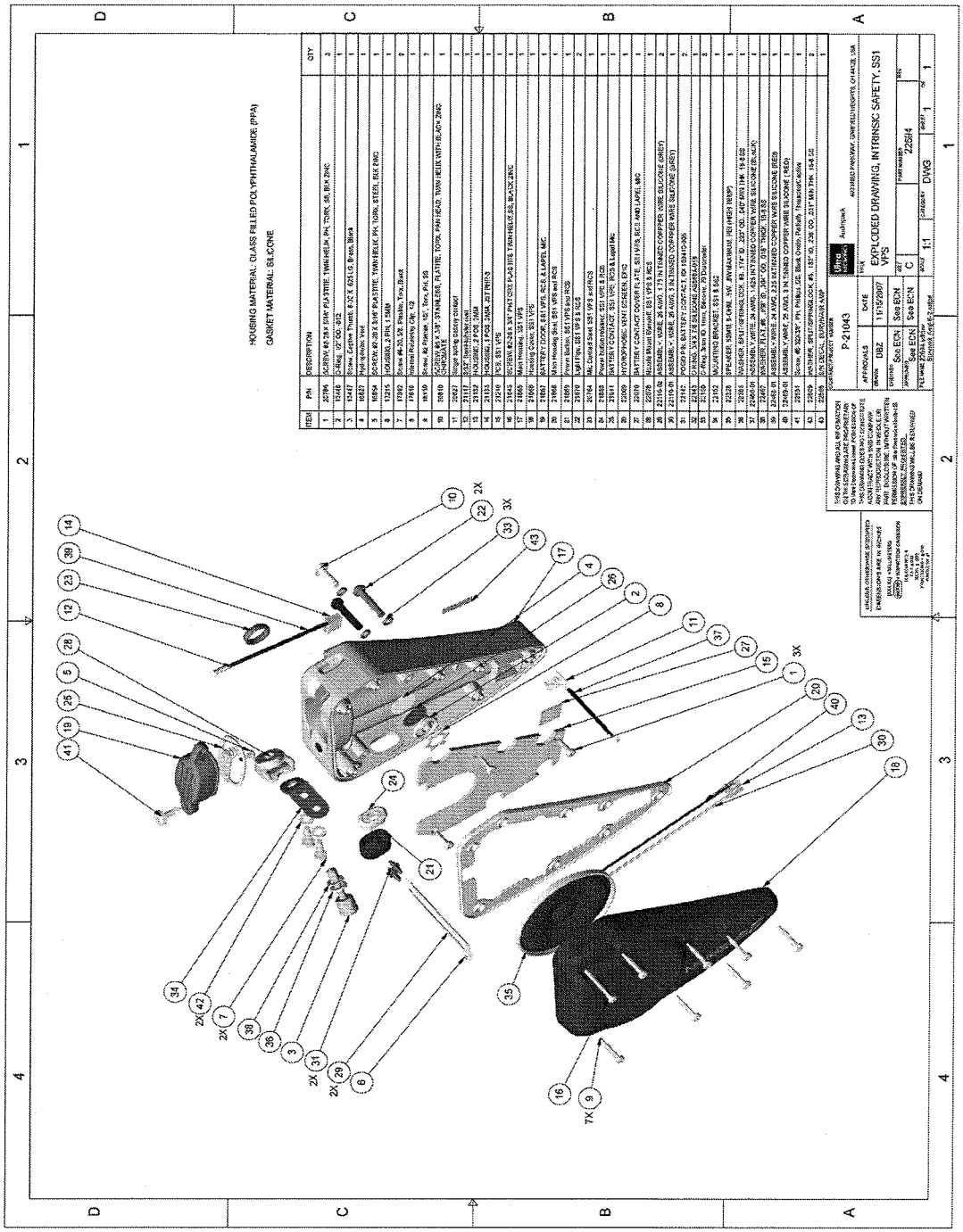
7.0 Illustrations

Illustration 4



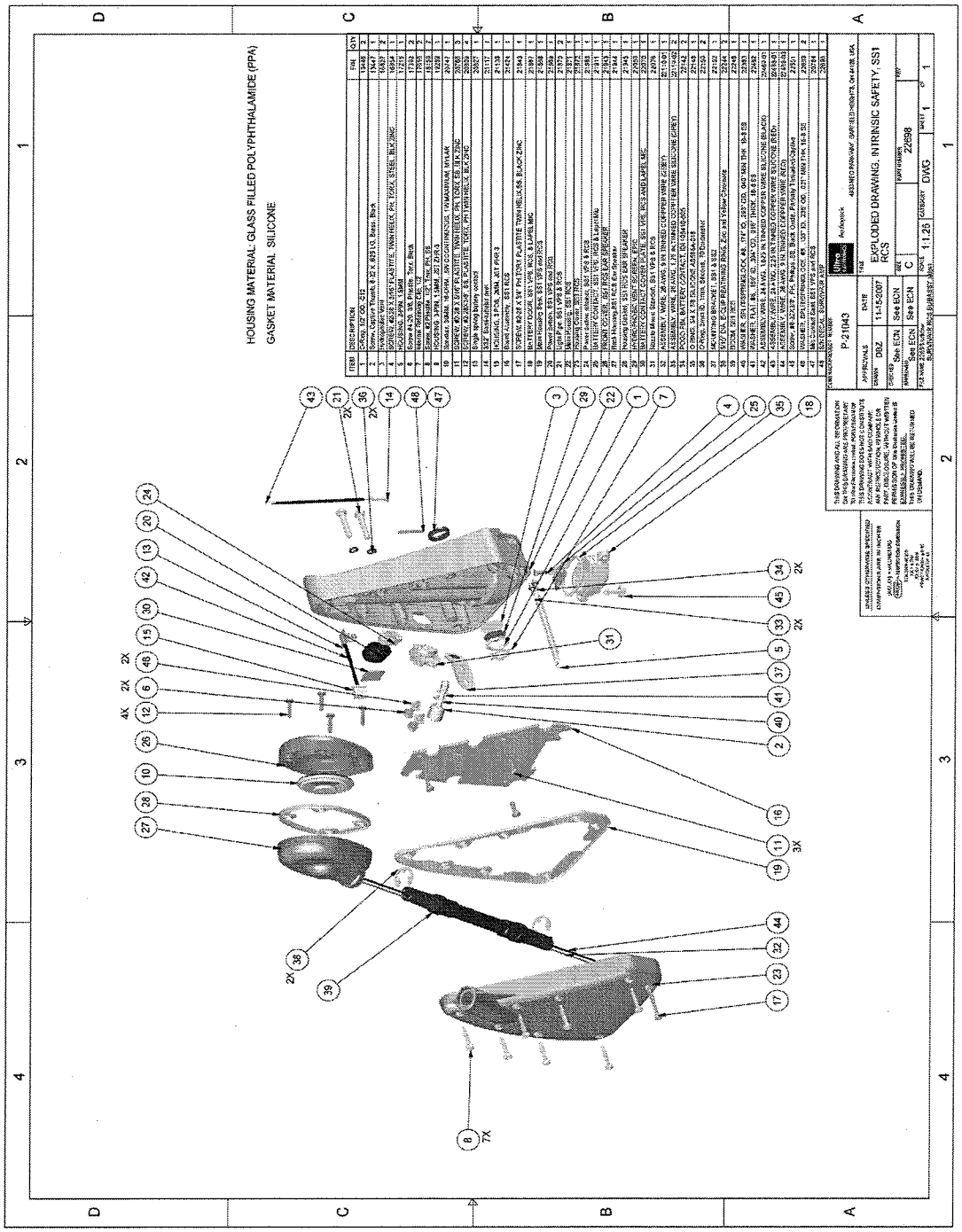
7.0 Illustrations

Illustration 5



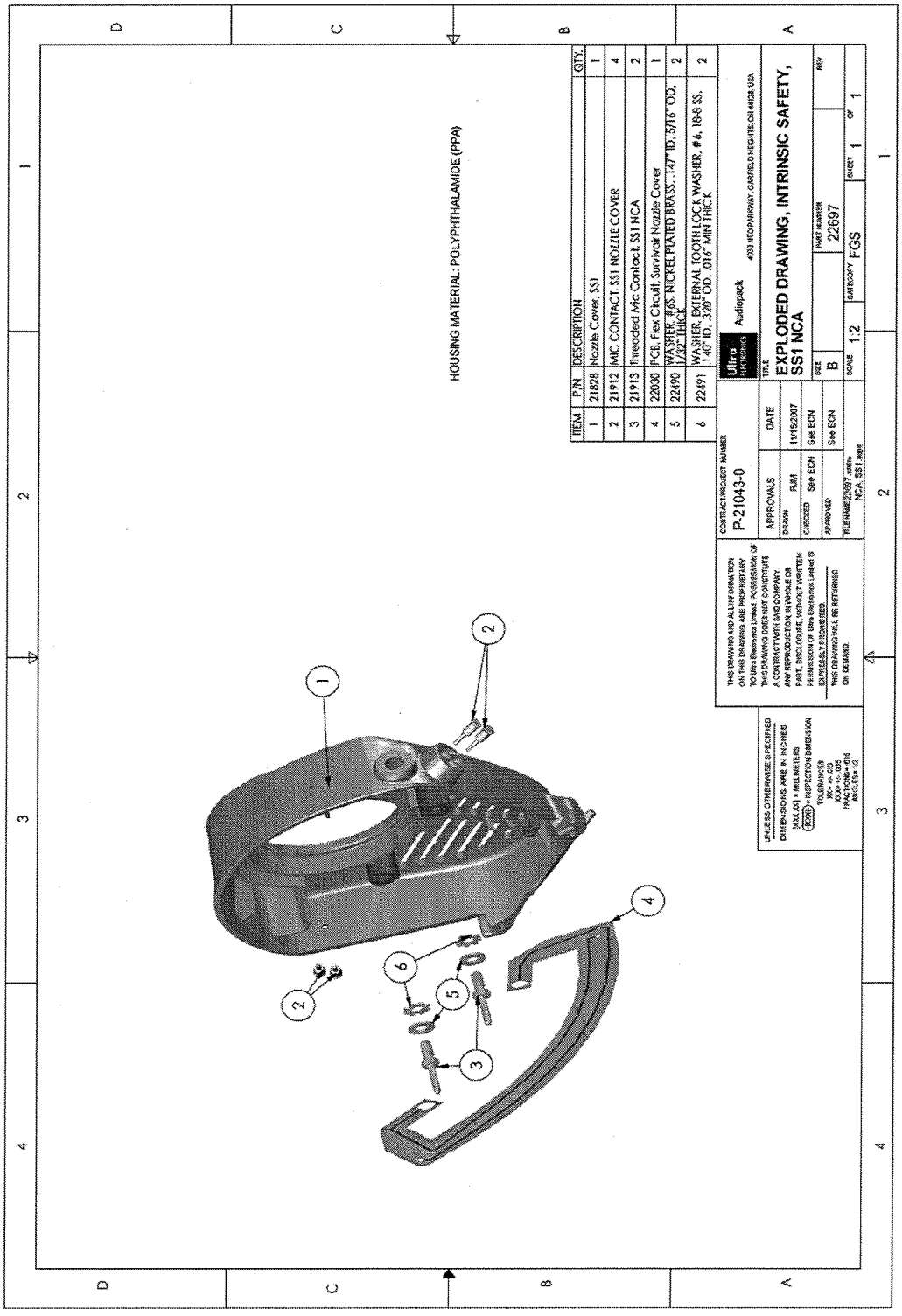
7.0 Illustrations

Illustration 6



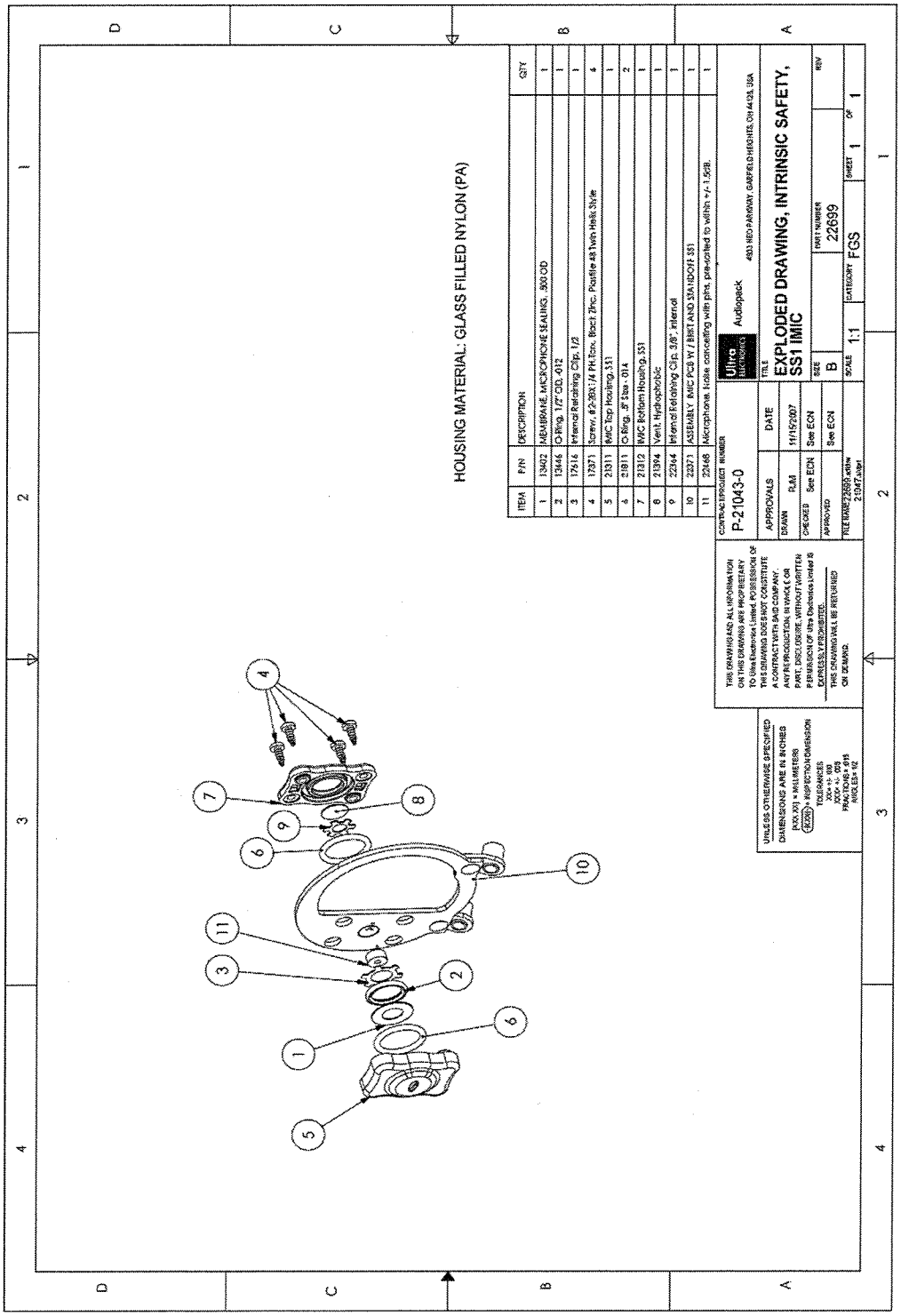
7.0 Illustrations

Illustration 7



7.0 Illustrations

Illustration 8



7.0 Illustrations

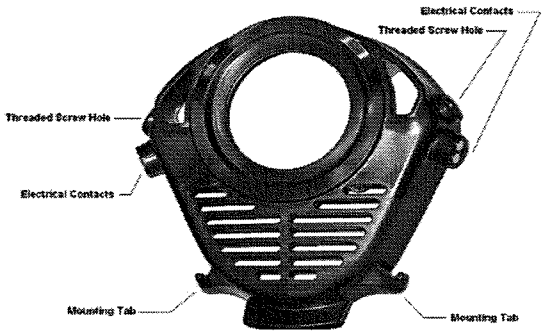
Illustration 9

Survivair Wireless Team Radio System

Installation & Operation Instructions

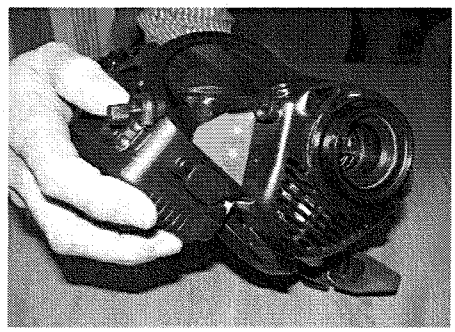
1. For use with a properly outfitted Survivair TWENTY TWENTY-Plus mask, attach the Voice Projection System (VPS) to the mask-mounted NCA as follows:

   a. Locate the Mounting Slot on the bottom of the VPS and the user's right Mounting Tab on the NCA.



   b. Position the VPS's Mounting Slot on the Mounting Tab of the NCA.

   c. Pivot the VPS upward on the NCA's Mounting Tab until the VPS's Thumbscrew (on the VPS's Mounting Bracket) is positioned directly over the threaded screw hole of the NCA.



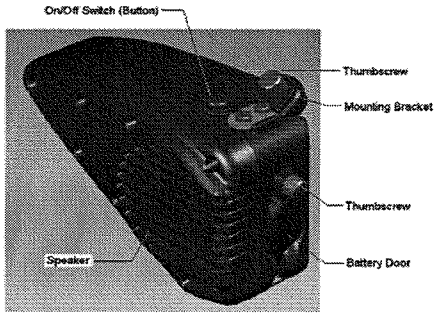
Page 1 of 4

7.0 Illustrations

Illustration 9

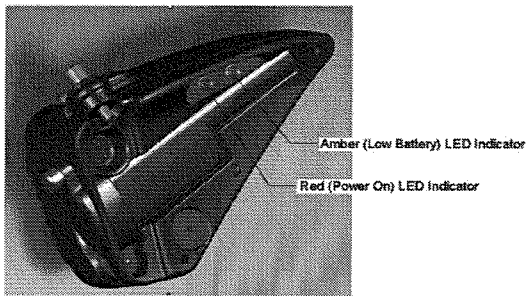
d. Holding the VPS firmly over the NCA's threaded hole, tighten the thumbscrew until it is tight and the VPS is securely mounted.

e. For removal of the VPS, repeat steps 1a-d, above, in reverse order.



3. The VPS can be used for "Momentary" push-to-talk operation or can be turned ON for "Hands-free" operation.

   a. For a "Momentary" push-to-talk operation, hold the On/Off Switch (Button) down while talking as if you were using a two-way radio.
      i. While the amplifier is 'On", and the batteries are good, the Red (Power On) LED will illuminate.
      ii. If the amplifier has low batteries, the Amber (Low Battery) LED will blink.
      iii. While donning your mask, talk into your mask – your voice will be projected by the VPS every time you depress the On/Off switch.



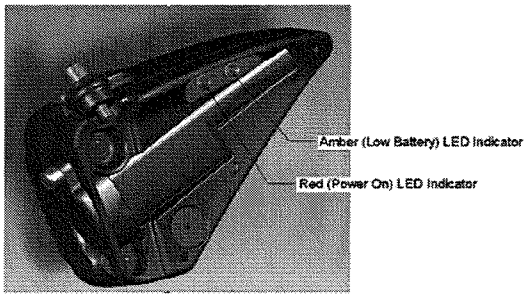
Page 2 of 4

7.0 Illustrations

Illustration 9

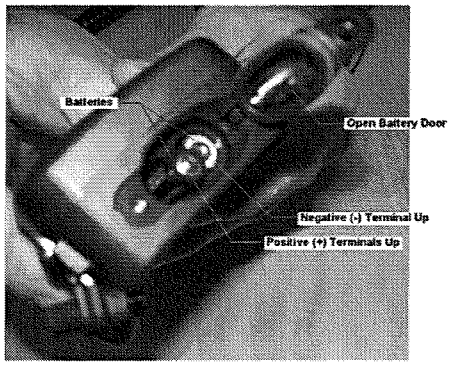
iv. To turn off the VPS, let go of the button.

b. For a continuous "Hands-free" operation, turn ON the VPS by depressing the On/Off switch twice within 2-seconds and then let go. The Red (Power On) LED will illuminate, indicating that the power is ON.
   i. While the amplifier is 'On', and the batteries are good, the Red (Power On) LED will illuminate.
   ii. If the amplifier has low batteries, the Amber (Low Battery) LED will blink.
   iii. While donning your mask, talk into your mask – your voice will be projected by the VPS.
   iv. To turn off the VPS, depress the On/Off Switch twice within 2-seconds and let go. The Red (Power On) LED should turn OFF.



2. Battery replacement. Batteries need replacement if a blinking Amber (Low Battery) LED is present, indicating that the existing batteries are low on power. It is recommended that new batteries be installed after each incident. The batteries can be replaced when the VPS is removed from or installed on the mask. To remove/replace batteries, perform the following:

   a. Before servicing the batteries, make sure that the VPS is turned OFF. When OFF, no LED shall be illuminated.
   b. While holding down the battery door, unscrew the battery door thumbscrew counterclockwise until the thumbscrew is disengaged from the NCA.
   c. Open the battery door and discard the existing batteries.
   d. Noting the battery polarities, install three (3) new Energizer-brand AAA batteries. Two batteries in deep well are oriented with the positive (+) terminals up. One battery in the shallow well is oriented with the negative (-) terminal up.
   e. Close the battery door. While applying pressure to the battery door, tighten the thumbscrew until it is screwed down all the way.



7.0 Illustrations

Illustration 9

WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY.
AVERTISSEMENT: LA SUBSTITUTION DE COMPOSANTS PEUT COMPROMETTRE LA SÉCURITÉ INTRINSÈQUE.

WARNING: TO PREVENT IGNITION OF FLAMMABLE OR COMBUSTIBLE ATMOSPHERES, DISCONNECT POWER BEFORE SERVICING.

Intrinsically Safe per UL Standard 913 to Class I, II, & III, Division 1, Groups C through G. Certified to CAN/CSA C22.2 No. 157-92.
Sécurité Intrinsèque.

WARNING! To prevent ignition of a hazardous atmosphere, batteries must only be changed in an area known to be nonhazardous.
AVERTISSEMENT! Afin de prevenir l'inflammation d'atmospheres dangereuses, ne changer les batteries que dans des emplacements designes non dangereux.

SURVIVAIR

A Bacou-Dalloz Company
3001 South Susan St., Santa Ana, CA 92704
Toll-Free 888.APR.SCBA or 714.545.0410
Fax 714.850.0299
www.survivair.com
E-mail: scba@survivair.com

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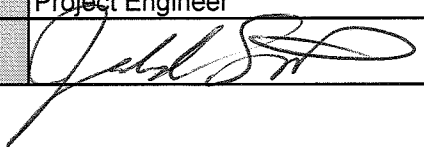
8.0 Test Summary					
Sample Receipt Date	06/18/07 and 11/08/07	Sample Condition	Engineering	Project No.	3137906
Evaluation Period	06/18/07-11/15/07				
Test Location	3933 US Route 11, Cortland, NY 13045				
Test Procedure	TL				
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.					
The following tests were performed:					

Test Description	UL 913 6th Edition Clause	CSA-C22.2 No. 157 Clause	
Comparison Method For Spark Ignition Capability	8.2	NA	
Spacing of Conductive Parts	9	4.3.9	
Temperature Test	24	6.3	
Drop Test	29	6.5	
Dust-Tight Enclosure Test	30	4.2.3	

8.1 Signatures (This only needs to be resigned when you are adding new tests or new/revised standards)			
A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0			
Completed by:	Jedd Smith	Reviewed by:	Mike Spector
Title:	Project Engineer	Title:	Staff Engineer
Signature:		Signature:	

9.0 Correlation Page For Multiple Listings	
The following products, which are identical to those identified in this report except for model number and Listee name, are authorized to bear the ETL label under provisions of the Intertek Multiple Listing Program.	
BASIC LISTEE	Audiopack
Address	4933 Neo Parkway
Country	USA
Product	VPS: 22694, RCS: 22698, Microphone: 22699, Nozzle Cover: 22697

MULTIPLE LISTEE	Survivair
Address	3001 South Susan Street Santa Ana, CA 92704
Country	USA
Brand Name	VPS:242136, RCS:242135, Microphone: 941887, Nozzle Cover: 964228
ASSOCIATED MANUFACTURER	NA
Address	
Country	
Brand Name	

MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS
242136, 242135, 941887, 964228	22694, 22698, 22699, 22697

10.0 General Information

The Applicant and Manufacturer have agreed to produce, test and label ETL Listed products in accordance with the requirements of this Report. The Manufacturer has also agreed to notify Intertek and to request authorization prior to using alternate parts, components or materials.

COMPONENTS

Components used shall be those itemized in this Intertek report covering the product, including any amendments and/or revisions.

LISTING MARK

The ETL Listing mark applied to the products shall either be separable in form, such as labels purchased from Intertek, or on a product nameplate or other media only as specifically authorized by Intertek. Use of the mark is subject to the control of Intertek.

MANUFACTURING AND PRODUCTION TESTS

Manufacturing and Production Tests shall be performed as required in this Report.

FOLLOW-UP SERVICE

Periodic unannounced audits of the manufacturing facility shall be scheduled by Intertek. An audit report shall be issued after each visit. Special attention will be given to the following:

1. Conformance of the manufactured product to the descriptions in this Report.
2. Conformance of the use of the ETL mark with the requirements of this Report and the Certification Agreement.
3. Manufacturing changes.
4. Performance of specified Manufacturing and Production Tests.

In the event that the Intertek representative identifies non-conformance(s) to any provision of this Report, the Applicant shall take one or more of the following actions:

1. Correct the non-conformance.
2. Remove the ETL Mark from non-conforming product.
3. Contact the issuing product safety evaluation center for instructions.

10.1 Evaluation of Unlisted Components

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

Note to Intertek Follow Up Inspector: The Component Evaluation Center, CEC, will notify you in writing when these components must be selected and sent to the CEC for re-evaluation

Ship the samples to:
Intertek Testing Services
Component Evaluation Center
3933 US Route 11
Cortland, NY 13045
USA
Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return **must** accompany the initial component shipment.

11.0 Manufacturing and Production Tests

NA

Required Tests

None

12.0 Revision Summary				
The following changes have been made to this Report:				
Date/ Proj # Site ID	Project Handler/ Reviewer	Section	Item	Description of Change
				None