

ATTACHMENT 2- sheet 2		Standards for Personal Protective Gear for First Responders					Standards for Radiation and Nuclear Detection Equipment										
Manufacturer	Part number	Brief Description	Meets NIOSH Chemical, Biological, Radiological and Nuclear (CBRN) Standard for Open-Circuit Self-Contained Breathing Apparatus (December 2001).	Meets NIOSH Standard for Chemical, Biological, Radiological, and Nuclear (CBRN) Full Face Piece Air Purifying Respirator (APR).	Meets NIOSH Standard for Chemical, Biological, Radiological, and Nuclear (CBRN) Air-Purifying Escape Respirator and CBRN Self-Contained Escape Respirator.	Meets NFPA 1951, Standard on Protective Ensemble for USAR Operations.	Meets NFPA 1981, Standard on Open-Circuit Self-Contained Breathing Apparatus for Fire and Emergency Services.	Meets NFPA 1991, Standard on Vapor-Protective Ensembles for Hazardous Materials Emergencies.	Meets NFPA 1994, Standard on Protective Ensembles for Chemical/Biological Terrorism Incidents.	Meets NFPA 1999, Standard on Protective Clothing for Emergency Medical Operations.	Meets ANSI N42.32: Performance Criteria for Alarming Personal Radiation Detectors.	Meets ANSI N42.33: Radiation Detection Instrumentation	Meets ANSI N42.34: Performance Criteria for Hand-Held Instruments for the Detection and Identification of Radionuclides.	Meets ANSI N42.35: Evaluation and Performance of Radiation Detection Portal Monitors	Other Standard/ Certification	Other Standard/ Certification	Other Standard/ Certification
<p><b>1. Personal Protective Equipment</b> - Equipment worn to protect the individual from hazardous materials and contamination. Levels of protection vary and are divided into categories based on the degree of protection afforded. The following constitutes equipment intended for use in a chemical/biological threat environment:</p> <p><b>Level A:</b> Fully encapsulated, liquid and vapor protective ensemble selected when the highest level of skin, respiratory, and eye protection is required. The following constitutes Level A equipment for consideration:</p> <p>1.1 Fully Encapsulated Liquid and Vapor Protection Ensemble, reusable or disposable (tested and certified against CB threats)</p> <p>1.2 Fully Encapsulated Training Suits</p> <p>1.3 Closed-Circuit Rebreather (minimum 2-hour supply, preferred), or open-circuit Self-Contained Breathing Apparatus (SCBA) or, when appropriate, Air-Line System with 15-minute minimum escape SCBA</p> <p>1.4 Spare Cylinders/Bottles for rebreathers or SCBA and service/repair kits</p> <p>1.5 Chemical Resistant Gloves, including thermal, as appropriate to hazard</p>																	
1	LAKELAND	TK655	LEVEL A														
2	LAKELAND	TK645	LEVEL A														
1	ARAMSCO CARRIES A FULL LINE OF TRAINING SUITS. AT THIS TIME THERE IS NO STANDARD FOR TRAINING SUITS																
1	SURVIVAIR	969011C	PANTHER	TC-13F-287CBRN													
2	DRAEGER	AIR BOSS PSS 100 PLUS	SCBA FOR THE VOLUNTEER AND PROFESSIONAL	YES													
3	DRAEGER	BG-41	POS. PRESS 4HR. CLOSED CIRCUIT BREATHING APP.												NIOSH	MSHA	
4	MSA	FIREHAWK	AIR MASK SCBA	YES													
5	ISI	ARAP-E	ESCAPE WITH AIRHOOD												NIOSH		
6	ISI	VIKING ST VIKING	TACTICAL SCBA, FIRST RESPOND SCBA	UNIT OPTION													
1	SURVIVAIR	969011C	PANTHER	TC-13F-287CBRN													
2	SURVIVAIR	917161	PANTHER CBRN CYLINDER	YES													
3	DRAEGER	AIR BOSS PSS 100 PLUS	SCBA FOR THE VOLUNTEER AND PROFESSIONAL	YES													
4	DRAEGER	BG-41	POS. PRESS 4HR. CLOSED CIRCUIT BREATHING APP.												NIOSH	MSHA	
5	MSA	FIREHAWK	AIR MASK SCBA	YES													
6	ISI	ARAP-E	ESCAPE WITH AIRHOOD												NIOSH		
7	ISI	VIKING ST VIKING	TACTICAL SCBA, FIRST RESPOND SCBA	YES													
1	ARAMSCO	OFFERS THE COMPLETE LINE OF FIREDEX GLOVES													NFPA 1971		

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	2	ARAMSCO	CHEMBIO GLOVE															CE STANDARD
	3	NORTH SAFETY	BUTYL & VITON GLOVE															CE STANDARD
1.6 Personal Cooling System; Vest or Full Suit with support equipment needed for maintaining body core temperature within acceptable limits	1	ARAMSCO'S HOMELAND SECURITY CATALOG FEATURES 6 PAGES OF COOLING AND HEATING VESTS. THERE IS NO STANDARD.																
1.7 Hardhat/helmet																		
	1	BULLARD	AX	FIBERGLASS SHELL, URETHAN IMPACT LINER, SURE-LOCK RATCHET SUSPENSION, NOMEX CHIN STRAP, ALUMINIZED KEVLAR HELMET COVER & SHROUD, GOLD-COATED FACESHIELD														NFPA 1976-2000
	2	BULLARD	LT	ULTEM OUTER SHELL, URETHANE IMPACT LINER, SURE-LOCK RATCHET SUSPENSION, NOMEX EAR/NECK PROTECTOR, QUICK-ATTACH FACE SHIELD, OPTIONAL QUICK-ATTACH GOGGLE.														NFPA 1971-2000
	3	BULLARD	A1	RESCUE/EMS HELMET, POLYCARBONATE, EPS FOAM IMPACT LINER, 2-POINT CHIN STRAP														ANSI Z89.1-2003 TYPE II, CLASS E & G
	4	BULLARD	A2	RESCUE/EMS HELMET, POLYCARBONATE, EPS FOAM IMPACT LINER, 3-POINT CHIN STRAP														ANSI Z89.1-2003 TYPE II, CLASS E & G
	5	BULLARD	VECTOR CRT	RESCUE/EMS HELMET, HDPE, EPS FOAM IMPACT LINER, 4-POINT SUSPENSION														ANSI Z89.1-2003 TYPE II, CLASS E & G
	6	BULLARD	3000 / 3000R	HDPE, WIDE BRIM, ACCESSORY SLOTS, 6-POINT SURE-LOCK OR RATCHET SUSPENSION														ANSI Z89.1-2003 TYPE I, CLASS E & G
	7	BULLARD	302RT / 302RTR	HDPE, WIDE BRIM, RAIN TROUGH, 6-POINT SURE-LOCK OR RATCHET SUSPENSION														ANSI Z89.1-2003 TYPE I, CLASS E & G
	8	BULLARD	303 / 303R	HDPE, FULL BRIM, 6-POINT SURE-LOCK OR RATCHET SUSPENSION														ANSI Z89.1-2003 TYPE I, CLASS E & G
	9	BULLARD	S51 / S51R	HDPE, FLAT FRONT, LOW-PROFILE, RAIN TROUGH, 4-POINT SELF-SIZING OR FLEX-GEAR RATCHET SUSPENSION														ANSI Z89.1-2003 TYPE I, CLASS E & G
	10	BULLARD	S61 / S61R	HDPE, ROUNDED FRONT, LOW-PROFILE, RAIN TROUGH, 4-POINT SELF-SIZING OR FLEX-GEAR RATCHET SUSPENSION														ANSI Z89.1-2003 TYPE I, CLASS E & G
	11	BULLARD	S62 / 62R	HDPE, VENTED SHELL, ROUNDED FRONT, LOW-PROFILE, 4 POINT SELF-SIZING OR FLEX-GEAR RATCHET SUSPENSION														ANSI Z89.1-2003 TYPE I, CLASS C
	12	BULLARD	S71 / S71R	HDPE, FULL BRIM, LOW-PROFILE, 4-POINT SELF-SIZING OR FLEX-GEAR RATCHET SUSPENSION														ANSI Z89.1-2003 TYPE I, CLASS E & G
	13	BULLARD	USRX	ULTEM SHELL, URETHANE IMPACT LINER, SURE-LOCK RATCHET SUSPENSION, NOMEX EAR/NECK PROTECTOR, QUICK-ATTACH FACESHIELD, 3-POINT CHIN STRAP.														NFPA 1951-2000 & NFPA 1971-2000
	14	MSA	463942	WHITE HARD HAT														ANSI Z89.1-1997 CLASS E & B

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	15	MSA	463943	BLUE HARD HAT											ANSI Z89.1-1997 CLASS E & B		
	16	MSA	463946	GREEN HARD HAT											ANSI Z89.1-1997 CLASS E & B		
	17	MSA	463947	RED HARD HAT											ANSI Z89.1-1997 CLASS E & B		
	18	MSA	475358	WHITE HARD HAT											ANSI Z89.1-1997 CLASS E & B		
	19	MSA	475359	BLUE HARD HAT											ANSI Z89.1-1997 CLASS E & B		
	20	MSA	475362	GREEN HARD HAT											ANSI Z89.1-1997 CLASS E & B		
	21	NORTH SAFETY	A69-08	BLUE HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	22	NORTH SAFETY	A69-01	WHITE HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	23	NORTH SAFETY	A69-04	GREEN HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	24	NORTH SAFETY	A69-15	RED HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	25	NORTH SAFETY	A69-03	ORANGE HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	26	NORTH SAFETY	A69-02	YELLOW HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	27	NORTH SAFETY	A69R-08	BLUE HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	28	NORTH SAFETY	A69R-04	GREEN HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	29	NORTH SAFETY	A69R-01	WHITE HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	30	NORTH SAFETY	A69R-02	YELLOW HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	31	NORTH SAFETY	A69R-09	GREY HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	32	MSA	10060496	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	33	MSA	10060484	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	34	MSA	10060502	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	35	MSA	10060490	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	36	MSA	10060499	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	37	MSA	10060487	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	38	MSA	10060505	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	39	MSA	10060493	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
1.8 Chemical/Biological Protective Undergarment																	
	1	LANX		CPU SHIRT (VARIOUS SIZES)											JSLIST MIL SPEC U-44435		
	2	LANX		CPU PANTS (VARIOUS SIZES)											JSLIST MIL SPEC U-44435		
1.9 Inner Gloves	1	ARAMSCO OFFERS A COMPLETE LINE OF INNER GLOVES THAT HAVE BEEN TESTED FOR VARIOUS CHEMICAL APPLICATIONS - AT THIS TIME THERE IS NOT A STANDARD EXCEPT FOR MEDICAL & FDA															
1.10 Approved Chemical Resistant Tape	1	KAPPLER	99402	60 YD CHEM TAPE											ASTM F1001		
	2	KAPPLER	CT30AYW	30 YD CHEM TAPE											MIL STD 282		
	3	KAPPLER/ARAMSCO	80708-40	10 YD CHEM TAPE											TOP 8-2 501		

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1.11 Chemical Resistant Boots, Steel or Fiberglass Toe and Shank																	
	1	TINGLEY	82330	HAZ PROOF BOOT													ANSI
	2	ONGUARD	87012	HAZ PROOF BOOT													NFPA 1991-2000
	3	ONGUARD	87050	HAZ PROOF BOOT													NFPA 1991-2000
	4	ONGUARD	87015	HAZMAX EZ													NFPA 1991-2000
1.12 Chemical Resistant Outer Booties																	
	1	NORTH SAFETY	43995C	COMBAT OVERSHOE													MIL SPEC 43995C
	2	NORTH SAFETY	11095	COMBAT OVERSHOE													COM SPEC AA59520
<b>Level B:</b> Liquid splash resistant ensemble used with highest level of respiratory protection. The following constitute Level B equipment and should be considered for use:																	
	1	INDUTEX	52071	JET GUARD PLUS CLASS III						YES							NFPA
1B.1 Liquid Splash Resistant Chemical Clothing, encapsulated or non-encapsulated																	
	1	INDUTEX	51060	JET GUARD LEVEL B													ASTM F739, ASTM F1670, ASTM F1671, NATO, EN 1073-2
	2	DUPONT	51164	TYCHEM F													NATO
	3	KIMBERLY-CLARK		HAZARD-GUARD II LEVEL B													ASTM
	4	LAKELAND	LV150	TYCHEM LV LEVEL B													ASTM
	5	LAKELAND	BR400	LEVEL B SUIT													ASTM
	6	LAKELAND	BR160	LEVEL B SUIT													ASTM
1B.2 Liquid Splash Resistant Hood	1	ARAMSCO OFFERS CUSTOM HOODS FOR CHEMICAL PROTECTION															
1B.3 Closed Circuit Rebreather (minimum 2-hour supply, preferred), open-circuit SCBA, or when appropriate, Air-Line System with 15-minute minimum escape SCBA																	
	1	SURVIVAIR	969011C	PANTHER	TC-13F-287CBRN												
	2	DRAEGER	AIR BOSS PSS 100 PLUS	SCBA FOR THE VOLUNTEER AND PROFESSIONAL	YES					YES							
	3	DRAEGER	BG-41	POS. PRESS 4HR. CLOSED CIRCUIT BREATHING APP.													NIOSH MSHA
	4	MSA	FIREHAWK	AIR MASK SCBA	YES					YES							
	5	ISI	ARAP-E	ESCAPE WITH AIRHOOD													NIOSH
	6	ISI	VIKING ST VIKING	TACTICAL SCBA, FIRST RESPOND SCBA	UNIT OPTION					YES							
1B.4 Spare Cylinders/Bottles for rebreathers or SCBA and service/repair kits																	
	1	SURVIVAIR	969011C	PANTHER	TC-13F-287CBRN					YES							
	2	SURVIVAIR	917161	PANTHER CBRN CYLINDER	YES												
	3	DRAEGER	AIR BOSS PSS 100 PLUS	SCBA FOR THE VOLUNTEER AND PROFESSIONAL	YES					YES							
	4	DRAEGER	BG-41	POS. PRESS 4HR. CLOSED CIRCUIT BREATHING APP.													NIOSH MSHA
	5	MSA	FIREHAWK	AIR MASK SCBA	YES					YES							
	6	ISI	ARAP-E	ESCAPE WITH AIRHOOD													NIOSH
	7	ISI	VIKING ST VIKING	TACTICAL SCBA, FIRST RESPOND SCBA	YES					YES							
1B.5 Chemical Resistant Gloves, including thermal, as appropriate to hazard																	
	1	ARAMSCO	OFFERS THE COMPLETE LINE OF FIREDEX GLOVES														
	2	ARAMSCO	CHEMBIO GLOVE														
	3	NORTH SAFETY	BUTYL & VITON GLOVE														
1B.6 Personal Cooling System; Vest or Full Suit with support equipment needed for maintaining body core temperature within acceptable limits	1	ARAMSCO'S HOMELAND SECURITY CATALOG FEATURES 6 PAGES OF COOLING AND HEATING VEST. THERE IS NO STANDARD.															
1B.7 Hardhat/helmet																	

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1	BULLARD	AX	FIBERGLASS SHELL, URETHAN IMPACT LINER, SURE-LOCK RATCHET SUSPENSION, NOMEX CHIN STRAP, ALUMINIZED KEVLAR HELMET COVER & SHROUD, GOLD-COATED FACESHIELD														NFPA 1976-2000		
2	BULLARD	LT	ULTEM OUTER SHELL, URETHANE IMPACT LINER, SURE-LOCK RATCHET SUSPENSION, NOMEX EAR/NECK PROTECTOR, QUICK-ATTACH FACE SHIELD, OPTIONAL QUICK-ATTACH GOGGLE.														NFPA 1971-2000		
3	BULLARD	A1	RESCUE/EMS HELMET, POLYCARBONATE, EPS FOAM IMPACT LINER, 2-POINT CHIN STRAP														ANSI Z89.1-2003 TYPE II, CLASS E & G		
4	BULLARD	A2	RESCUE/EMS HELMET, POLYCARBONATE, EPS FOAM IMPACT LINER, 3-POINT CHIN STRAP														ANSI Z89.1-2003 TYPE II, CLASS E & G		
5	BULLARD	VECTOR CRT	RESCUE/EMS HELMET, HDPE, EPS FOAM IMPACT LINER, 4-POINT SUSPENSION														ANSI Z89.1-2003 TYPE II, CLASS E & G		
6	BULLARD	3000 / 3000R	HDPE, WIDE BRIM, ACCESSORY SLOTS, 6-POINT SURE-LOCK OR RATCHET SUSPENSION														ANSI Z89.1-2003 TYPE I, CLASS E & G		
7	BULLARD	302RT / 302RTR	HDPE, WIDE BRIM, RAIN TROUGH, 6-POINT SURE-LOCK OR RATCHET SUSPENSION														ANSI Z89.1-2003 TYPE I, CLASS E & G		
8	BULLARD	303 / 303R	HDPE, FULL BRIM, 6-POINT SURE-LOCK OR RATCHET SUSPENSION														ANSI Z89.1-2003 TYPE I, CLASS E & G		
9	BULLARD	S51 / S51R	HDPE, FLAT FRONT, LOW-PROFILE, RAIN TROUGH, 4-POINT SELF-SIZING OR FLEX-GEAR RATCHET SUSPENSION														ANSI Z89.1-2003 TYPE I, CLASS E & G		
10	BULLARD	S61 / S61R	HDPE, ROUNDED FRONT, LOW-PROFILE, RAIN TROUGH, 4-POINT SELF-SIZING OR FLEX-GEAR RATCHET SUSPENSION														ANSI Z89.1-2003 TYPE I, CLASS E & G		
11	BULLARD	S62 / 62R	HDPE, VENTED SHELL, ROUNDED FRONT, LOW-PROFILE, 4 POINT SELF-SIZING OR FLEX-GEAR RATCHET SUSPENSION														ANSI Z89.1-2003 TYPE I, CLASS C		
12	BULLARD	S71 / S71R	HDPE, FULL BRIM, LOW-PROFILE, 4-POINT SELF-SIZING OR FLEX-GEAR RATCHET SUSPENSION														ANSI Z89.1-2003 TYPE I, CLASS E & G		
13	BULLARD	USRX	ULTEM SHELL, URETHANE IMPACT LINER, SURE-LOCK RATCHET SUSPENSION, NOMEX EAR/NECK PROTECTOR, QUICK-ATTACH FACESHIELD, 3-POINT CHIN STRAP.														NFPA 1951-2000 & NFPA 1971-2000		
14	MSA	463942	WHITE HARD HAT														ANSI Z89.1-1997 CLASS E & B		
15	MSA	463943	BLUE HARD HAT						5 OF 24								ANSI Z89.1-1997 CLASS E & B		
16	MSA	463946	GREEN HARD HAT														ANSI Z89.1-1997 CLASS E & B		

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	18	MSA	475358	WHITE HARD HAT											ANSI Z89.1-1997 CLASS E & B		
	19	MSA	475359	BLUE HARD HAT											ANSI Z89.1-1997 CLASS E & B		
	20	MSA	475362	GREEN HARD HAT											ANSI Z89.1-1997 CLASS E & B		
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	22	NORTH SAFETY	A69-01	WHITE HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	23	NORTH SAFETY	A69-04	GREEN HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	24	NORTH SAFETY	A69-15	RED HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	25	NORTH SAFETY	A69-03	ORANGE HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	26	NORTH SAFETY	A69-02	YELLOW HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	27	NORTH SAFETY	A69R-08	BLUE HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	28	NORTH SAFETY	A69R-04	GREEN HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	29	NORTH SAFETY	A69R-01	WHITE HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	30	NORTH SAFETY	A69R-02	YELLOW HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	31	NORTH SAFETY	A69R-09	GREY HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	32	MSA	10060496	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	33	MSA	10060484	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	34	MSA	10060502	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	35	MSA	10060490	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	36	MSA	10060499	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	37	MSA	10060487	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	38	MSA	10060505	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	39	MSA	10060493	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
1B.8 Chemical/Biological Protective Undergarment																	
	1	LANX		CPU SHIRT											JSLIST MIL SPEC U-44435		
	2	LANX		CPU PANTS											JSLIST MIL SPEC U-44435		
1B.9 Inner Gloves	1	ARAMSCO OFFERS A COMPLETE LINE OF INNER GLOVES THAT HAVE BEEN TESTED FOR VARIOUS CHEMICAL APPLICATIONS - AT THIS TIME THERE IS NOT A STANDARD EXCEPT FOR MEDICAL & FDA															
1B.10 Approved Chemical Resistant Tape																	
	1	KAPPLER	99402	60 YD CHEM TAPE											ASTM F1001		
	2	KAPPLER	CT30AYW	30 YD CHEM TAPE											MIL STD 282		
	3	KAPPLER/ARAMSCO	80708-40	10 YD CHEM TAPE											TOP 8-2 501		
1B.11 Chemical Resistant Boots, Steel or Fiberglass Toe and Shank																	
	1	TINGLEY	82330	HAZ PROOF BOOT											ANSI		
	2	ONGUARD	87012	HAZ PROOF BOOT											NFPA 1991-2000		

ATTACHMENT 2- sheet 2	Standards for Personal Protective Gear for First Responders							Standards for Radiation and Nuclear Detection Equipment										
	Manufacturer	Part number	Brief Description	Meets NIOSH Chemical, Biological, Radiological and Nuclear (CBRN) Standard for Open-Circuit Self-Contained Breathing Apparatus (December 2001).	Meets NIOSH Standard for Chemical, Biological, Radiological, and Nuclear (CBRN) Full Face Piece Air Purifying Respirator (APR).	Meets NIOSH Standard for Chemical, Biological, Radiological, and Nuclear (CBRN) Air-Purifying Escape Respirator and CBRN Self-Contained Escape Respirator.	Meets NFPA 1951, Standard on Protective Ensemble for USAR Operations.	Meets NFPA 1981, Standard on Open-Circuit Self-Contained Breathing Apparatus for Fire and Emergency Services.	Meets NFPA 1991, Standard on Vapor-Protective Ensembles for Hazardous Materials Emergencies.	Meets NFPA 1994, Standard on Protective Ensembles for Chemical/Biological Terrorism Incidents.	Meets NFPA 1999, Standard on Protective Clothing for Emergency Medical Operations.	Meets ANSI N42.32: Performance Criteria for Alarming Personal Radiation Detectors.	Meets ANSI N42.33: Radiation Detection Instrumentation	Meets ANSI N42.34: Performance Criteria for Hand-Held Instruments for the Detection and Identification of Radionuclides.	Meets ANSI N42.35: Evaluation and Performance of Radiation Detection Portal Monitors	Other Standard/ Certification	Other Standard/ Certification	Other Standard/ Certification
	3	ONGUARD	87050	HAZ PROOF BOOT												NFPA 1991-2000		
	4	ONGUARD	87015	HAZMAX EZ												NFPA 1991-2000		
1B.12 Chemical Resistant Outer Booties																		
	1	NORTH SAFETY	43995C	COMBAT OVERSHOE												MIL SPEC 43995C		
	2	NORTH SAFETY	11095	COMBAT OVERSHOE												COM SPEC AA59520		
<b>Level C:</b> Liquid splash resistant ensemble, with same level of skin protection of Level B, used when the concentration(s) and type(s) of airborne substances(s) are known and the criteria for using air-purifying respirators are met. The following constitute Level C equipment and should be considered for use:																		
1C.1 Liquid Chemical Splash Resistant Clothing (permeable or non-permeable)																		
	1	KIMBERLY-CLARK		HAZARD GUARD I (VARIOUS CONFIGURATIONS)													ANSI, ASTM	
	2	KIMBERLY-CLARK		HAZARD GUARD II (VARIOUS CONFIGURATIONS)													ANSI, ASTM	
	3	KIMBERLY-CLARK		KLEENGUARD ULTRA (VARIOUS CONFIGURATIONS)													ANSI, ASTM	
	4	DUPONT/LAKEL AND		TYCHEM QC (VARIOUS CONFIGURATIONS)													ANSI, ASTM	
	5	DUPONT/LAKEL AND		TYVEK (VARIOUS CONFIGURATIONS)													ANSI, ASTM	
	6	DUPONT/LAKEL AND		TYCHEM SL (VARIOUS CONFIGURATIONS)													ANSI, ASTM	
	7	INDUTEX		JET GUARD (VARIOUS CONFIGURATIONS)													ANSI, ASTM	
	8	DUPONT		TYCHEM F (VARIOUS CONFIGURATIONS)													ANSI, ASTM	
	9	ARAMSCO		TRI-TUFF (VARIOUS CONFIGURATIONS)													ANSI, ASTM	
1C.2 Liquid Chemical Splash Resistant Hood (permeable or non-permeable)																		
1C.3 Tight-fitting, Full Face Piece, Negative Pressure Air Purifying Respirator with the appropriate cartridge(s) or canister(s) and P100 filter(s) for protection against toxic industrial chemicals, particulates, and military specific agents.																		
	1	3M	6000 SERIES	FULL FACEPIECE RESPIRATOR													NIOSH AIR PURIFYING	
	2	3M	7800S	FULL FACEPIECE RESPIRATOR													NIOSH AIR PURIFYING	
	3	3M	FR-M40B	FULL FACEPIECE RESPIRATOR		YES											NIOSH AIR PURIFYING	
	4	MSA	10047117	TACTICAL HOOD			NO											
	5	MSA	10051287	MILLENIUM CBRN GAS MASK		YES												
	6	MSA	10052776	ULTRA ELITE		YES												
	7	MSA	10052780	ULTRA ELITE		YES												
1C.4 Tight-fitting, Full Facepiece, Powered Air Purifying Respirator (PAPR) with chemically resistant hood with appropriate cartridge(s) or canister(s) and high efficiency filter(s) for protection against toxic industrial chemicals, particulates, and military specific agents.																		
	1	3M	FR-57N10	BREATHE EASY BUTYL HOOD SYSTEM													NIOSH POWERED AIR PURIFYING	
	2	3M	FR-57L10	BREATHE EASY BUTYL HOOD SYSTEM													NIOSH POWERED AIR PURIFYING	
	3	SAFETY TECH	M95	GAS MASK													NIOSH	
	4	SAFETY TECH	SGE 400	GAS MASK													NIOSH	
	5	SAFETY TECH	PROMASK	GAS MASK													NIOSH	
	6	SAFETY TECH	M-70005-001	GAS MASK CARTRIDGE													NIOSH	
	7	ILC DOVER	52835	1ST RECEIVER PAPR													PENDING NIOSH APPROVAL	
	8	GLOBAL SECURE	CF60	PAPR													NIOSH	

ATTACHMENT 2- sheet 2		Standards for Personal Protective Gear for First Responders										Standards for Radiation and Nuclear Detection Equipment								
Manufacturer	Part number	Brief Description	Meets NIOSH Chemical, Biological, Radiological and Nuclear (CBRN) Standard for Open-Circuit Self-Contained Breathing Apparatus (December 2001).	Meets NIOSH Standard for Chemical, Biological, Radiological, and Nuclear (CBRN) Full Face Piece Air Purifying Respirator (APR).	Meets NIOSH Standard for Chemical, Biological, Radiological, and Nuclear (CBRN) Air-Purifying Escape Respirator and CBRN Self-Contained Escape Respirator.	Meets NFPA 1951, Standard on Protective Ensemble for USAR Operations.	Meets NFPA 1981, Standard on Open-Circuit Self-Contained Breathing Apparatus for Fire and Emergency Services.	Meets NFPA 1991, Standard on Vapor-Protective Ensembles for Hazardous Materials Emergencies.	Meets NFPA 1994, Standard on Protective Ensembles for Chemical/Biological Terrorism Incidents.	Meets NFPA 1999, Standard on Protective Clothing for Emergency Medical Operations.	Meets ANSI N42.32: Performance Criteria for Alarming Personal Radiation Detectors.	Meets ANSI N42.33: Radiation Detection Instrumentation	Meets ANSI N42.34: Performance Criteria for Hand-Held Instruments for the Detection and Identification of Radionuclides.	Meets ANSI N42.35: Evaluation and Performance of Radiation Detection Portal Monitors	Other Standard/Certification	Other Standard/Certification	Other Standard/Certification			
	9	GLOBAL SECURE	SR14	PAPR													NIOSH			
	10	GLOBAL SECURE	FR-3	PAPR													NIOSH			
	11	3M	BE-10	PAPR													NIOSH			
	12	SAFETY TECH	C420	PAPR													NIOSH			
	13	3M	522-02-00R03	PAPR													NIOSH			
	14	3M	522-02-02R03	PAPR													NIOSH			
	15	3M	522-01-11R03	PAPR													NIOSH			
	16	MAX-AIR	2000-25	PAPR													NIOSH			
	17	BULLARD	PA40SPEC4DB	PA40 PAPR													NIOSH TC-21C-0774			
	18	BULLARD	PA3HE	HE CANISTERS													NIOSH TC-21C-0774			
	19	BULLARD	PA3NBC	COMBI CANISTERS													MIL-C2A1, MIL-PRF-5160A			
	20	BULLARD	PA30 PREP	PA30PREP, PAPR FOR RESPONDER HEALTH CARE WORKERS													NIOSH TC-21C-0773, TC23C-2236, TC-23C-2237			
1C.5 Closed-Circuit Rebreather (minimum 2-hour supply, preferred), open-circuit SCBA, or when appropriate, Air-Line System with 15-minute minimum escape SCBA																				
	1	SURVIVAIR	969011C	PANTHER	YES															
	2	DRAEGER	AIR BOSS PSS 100 PLUS	SCBA FOR THE VOLUNTEER AND PROFESSIONAL	YES		YES													
	3	DRAEGER	BG-41	POS. PRESS 4HR. CLOSED CIRCUIT BREATHING APP.													NIOSH MSHA			
	4	MSA	FIREHAWK	AIR MASK SCBA	YES		YES													
	5	ISI	ARAP-E	ESCAPE WITH AIRHOOD													NIOSH			
	6	ISI	VIKING ST VIKING	TACTICAL SCBA, FIRST RESPOND SCBA	UNIT OPTION		YES													
1C.6 Spare cylinder/bottles for rebreathers or SCBA																				
	1	SURVIVAIR	969011C	PANTHER	YES															
	2	DRAEGER	AIR BOSS PSS 100 PLUS	SCBA FOR THE VOLUNTEER AND PROFESSIONAL	YES		YES													
	3	DRAEGER	BG-41	POS. PRESS 4HR. CLOSED CIRCUIT BREATHING APP.													NIOSH MSHA			
	4	MSA	FIREHAWK	AIR MASK SCBA	YES		YES													
	5	ISI	ARAP-E	ESCAPE WITH AIRHOOD													NIOSH			
	6	ISI	VIKING ST VIKING	TACTICAL SCBA, FIRST RESPOND SCBA	YES		YES													
	7	ISI	FRONTIER	INDUSTRIAL SCBA	YES		YES													
1C.7 SCBA Service and repair kits																				
	1	NOTHING																		
1C.8 Equipment or system batteries will include those that are rechargeable (e.g. NiCad) or non-rechargeable with extended shelf life (e.g. Lithium)																				
	1	DRAEGER	PANORAMA	FULL FACEPIECE RESPIRATOR													NIOSH			
1C.9 Chemical Resistant Gloves, including thermal, as appropriate to hazard																				
	1	ARAMSCO	OFFERS THE COMPLETE LINE OF FIREDEX GLOVES																NFPA 1971	
	2	ARAMSCO	CHEMBIO GLOVE																CE STANDARD	
	3	NORTH SAFETY	BUTYL & VITON GLOVE																CE STANDARD	
1C.10 Personal Cooling System; Vest or Full Suit with support equipment																				
	1	ARAMSCO'S HOMELAND SECURITY CATALOG FEATURES 6 PAGES OF COOLING AND HEATING VESTS. THERE IS NO STANDARD.																		
1C.11 Hardhat																				
	1	BULLARD	AX	FIBERGLASS SHELL, URETHAN IMPACT LINER, SURE-LOCK RATCHET SUSPENSION, NOMEX CHIN STRAP, ALUMINIZED KEVLAR HELMET COVER & SHROUD, GOLD-COATED FACESHIELD													NFPA 1976-2000			

ATTACHMENT 2- sheet 2	Standards for Personal Protective Gear for First Responders										Standards for Radiation and Nuclear Detection Equipment				Other Standard/ Certification	Other Standard/ Certification	Other Standard/ Certification
	Manufacturer	Part number	Brief Description	Meets NIOSH Chemical, Biological, Radiological and Nuclear (CBRN) Standard for Open-Circuit Self-Contained Breathing Apparatus (December 2001).	Meets NIOSH Standard for Chemical, Biological, Radiological, and Nuclear (CBRN) Full Face Piece Air Purifying Respirator (APR).	Meets NIOSH Standard for Chemical, Biological, Radiological, and Nuclear (CBRN) Air-Purifying Escape Respirator and CBRN Self-Contained Escape Respirator.	Meets NFPA 1951, Standard on Protective Ensemble for USAR Operations.	Meets NFPA 1981, Standard on Open-Circuit Self-Contained Breathing Apparatus for Fire and Emergency Services.	Meets NFPA 1991, Standard on Vapor-Protective Ensembles for Hazardous Materials Emergencies.	Meets NFPA 1994, Standard on Protective Ensembles for Chemical/Biological Terrorism Incidents.	Meets NFPA 1999, Standard on Protective Clothing for Emergency Medical Operations.	Meets ANSI N42.32: Performance Criteria for Alarming Personal Radiation Detectors.	Meets ANSI N42.33: Radiation Detection Instrumentation	Meets ANSI N42.34: Performance Criteria for Hand-Held Instruments for the Detection and Identification of Radionuclides.			
2	BULLARD	LT	ULTEM OUTER SHELL, URETHANE IMPACT LINER, SURE-LOCK RATCHET SUSPENSION, NOMEX EAR/NECK PROTECTOR, QUICK-ATTACH FACE SHIELD, OPTIONAL QUICK-ATTACH GOGGLE.												NFPA 1971-2000		
3	BULLARD	A1	RESCUE/EMS HELMET, POLYCARBONATE, EPS FOAM IMPACT LINER, 2-POINT CHIN STRAP												ANSI Z89.1-2003 TYPE II, CLASS E & G		
4	BULLARD	A2	RESCUE/EMS HELMET, POLYCARBONATE, EPS FOAM IMPACT LINER, 3-POINT CHIN STRAP												ANSI Z89.1-2003 TYPE II, CLASS E & G		
5	BULLARD	VECTOR CRT	RESCUE/EMS HELMET, HDPE, EPS FOAM IMPACT LINER, 4-POINT SUSPENSION												ANSI Z89.1-2003 TYPE II, CLASS E & G		
6	BULLARD	3000 / 3000R	HDPE, WIDE BRIM, ACCESSORY SLOTS, 6-POINT SURE-LOCK OR RATCHET SUSPENSION												ANSI Z89.1-2003 TYPE I, CLASS E & G		
7	BULLARD	302RT / 302RTR	HDPE, WIDE BRIM, RAIN TROUGH, 6-POINT SURE-LOCK OR RATCHET SUSPENSION												ANSI Z89.1-2003 TYPE I, CLASS E & G		
8	BULLARD	303 / 303R	HDPE, FULL BRIM, 6-POINT SURE-LOCK OR RATCHET SUSPENSION												ANSI Z89.1-2003 TYPE I, CLASS E & G		
9	BULLARD	S51 / S51R	HDPE, FLAT FRONT, LOW-PROFILE, RAIN TROUGH, 4-POINT SELF-SIZING OR FLEX-GEAR RATCHET SUSPENSION												ANSI Z89.1-2003 TYPE I, CLASS E & G		
10	BULLARD	S61 / S61R	HDPE, ROUNDED FRONT, LOW-PROFILE, RAIN TROUGH, 4-POINT SELF-SIZING OR FLEX-GEAR RATCHET SUSPENSION												ANSI Z89.1-2003 TYPE I, CLASS E & G		
11	BULLARD	S62 / 62R	HDPE, VENTED SHELL, ROUNDED FRONT, LOW-PROFILE, 4 POINT SELF-SIZING OR FLEX-GEAR RATCHET SUSPENSION												ANSI Z89.1-2003 TYPE I, CLASS C		
12	BULLARD	S71 / S71R	HDPE, FULL BRIM, LOW-PROFILE, 4-POINT SELF-SIZING OR FLEX-GEAR RATCHET SUSPENSION												ANSI Z89.1-2003 TYPE I, CLASS E & G		
13	BULLARD	USRX	ULTEM SHELL, URETHANE IMPACT LINER, SURE-LOCK RATCHET SUSPENSION, NOMEX EAR/NECK PROTECTOR, QUICK-ATTACH FACESHIELD, 3-POINT CHIN STRAP.												NFPA 1951-2000 & NFPA 1971-2000		
14	MSA	463942	WHITE HARD HAT												ANSI Z89.1-1997 CLASS E & B		
15	MSA	463943	BLUE HARD HAT												ANSI Z89.1-1997 CLASS E & B		
16	MSA	463946	GREEN HARD HAT												ANSI Z89.1-1997 CLASS E & B		
17	MSA	463947	RED HARD HAT												ANSI Z89.1-1997 CLASS E & B		
18	MSA	475358	WHITE HARD HAT				9 OF 24								ANSI Z89.1-1997 CLASS E & B		
19	MSA	475359	BLUE HARD HAT												ANSI Z89.1-1997 CLASS E & B		

ATTACHMENT 2- sheet 2	Standards for Personal Protective Gear for First Responders							Standards for Radiation and Nuclear Detection Equipment									
	Manufacturer	Part number	Brief Description	Meets NIOSH Chemical, Biological, Radiological and Nuclear (CBRN) Standard for Open-Circuit Self-Contained Breathing Apparatus (December 2001).	Meets NIOSH Standard for Chemical, Biological, Radiological, and Nuclear (CBRN) Full Face Piece Air Purifying Respirator (APR).	Meets NIOSH Standard for Chemical, Biological, Radiological, and Nuclear (CBRN) Air-Purifying Escape Respirator and CBRN Self-Contained Escape Respirator.	Meets NFPA 1951, Standard on Protective Ensemble for USAR Operations.	Meets NFPA 1981, Standard on Open-Circuit Self-Contained Breathing Apparatus for Fire and Emergency Services.	Meets NFPA 1991, Standard on Vapor-Protective Ensembles for Hazardous Materials Emergencies.	Meets NFPA 1994, Standard on Protective Ensembles for Chemical/Biological Terrorism Incidents.	Meets NFPA 1999, Standard on Protective Clothing for Emergency Medical Operations.	Meets ANSI N42.32: Performance Criteria for Alarming Personal Radiation Detectors.	Meets ANSI N42.33: Radiation Detection Instrumentation	Meets ANSI N42.34: Performance Criteria for Hand-Held Instruments for the Detection and Identification of Radionuclides.	Meets ANSI N42.35: Evaluation and Performance of Radiation Detection Portal Monitors	Other Standard/ Certification	Other Standard/ Certification
	20	MSA	475362	GREEN HARD HAT											ANSI Z89.1-1997 CLASS E & B		
	21	NORTH SAFETY	A69-08	BLUE HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	22	NORTH SAFETY	A69-01	WHITE HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	23	NORTH SAFETY	A69-04	GREEN HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	24	NORTH SAFETY	A69-15	RED HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	25	NORTH SAFETY	A69-03	ORANGE HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	26	NORTH SAFETY	A69-02	YELLOW HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	27	NORTH SAFETY	A69R-08	BLUE HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	28	NORTH SAFETY	A69R-04	GREEN HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	29	NORTH SAFETY	A69R-01	WHITE HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	30	NORTH SAFETY	A69R-02	YELLOW HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	31	NORTH SAFETY	A69R-09	GREY HARD HAT											ANSI Z89.1 1997 CLASS E, G, & C		
	32	MSA	10060496	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	33	MSA	10060484	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	34	MSA	10060502	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	35	MSA	10060490	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	36	MSA	10060499	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	37	MSA	10060487	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	38	MSA	10060505	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
	39	MSA	10060493	ADVANCED COMBAT HELMET											N1J0106.01 US MIL SPEC		
1C.12 Inner Chemical/Biological Resistant Garment																	
	1	LANX		CPU SHIRT (VARIOUS SIZES)											JSLIST MIL SPEC U-44435		
	2	LANX		CPU PANTS (VARIOUS SIZES)											JSLIST MIL SPEC U-44435		
1C.13 Inner Gloves	1	ARAMSCO OFFERS A COMPLETE LINE OF INNER GLOVES THAT HAVE BEEN TESTED FOR VARIOUS CHEMICAL APPLICATIONS - AT THIS TIME THERE IS NOT A STANDARD EXCEPT FOR MEDICAL & FDA															
1C.14 Chemical Resistant Tape																	
	1	KAPPLER	99402	60 YD CHEM TAPE											ASTM F1001		
	2	KAPPLER	CT30AYW	30 YD CHEM TAPE											MIL STD 282		
	3	KAPPLER/ARAMSCO	80708-40	10 YD CHEM TAPE											TOP 8-2 501		
1C.15 Chemical Resistant Boots, Steel or Fiberglass Toe and Shank																	
	1	TINGLEY	82330	HAZ PROOF BOOT											ANSI		
	2	ONGUARD	87012	HAZ PROOF BOOT											NFPA 1991-2000		
	3	ONGUARD	87050	HAZ PROOF BOOT											NFPA 1991-2000		
	4	ONGUARD	87015	HAZMAX EZ											NFPA 1991-2000		
1C.16 Chemical Resistant Outer Booties																	
	1	NORTH SAFETY	43995C	COMBAT OVERSHOE											MIL SPEC 43995C		
	2	NORTH SAFETY	11095	COMBAT OVERSHOE											COM SPEC AA69520		



ATTACHMENT 2- sheet 2	Standards for Personal Protective Gear for First Responders							Standards for Radiation and Nuclear Detection Equipment										
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	3	HUGHES SAFETY	DEC-V-1	WALL MOUNT SHOWER														
	4	HUGHES SAFETY	DEC-V-2	WALL MOUNT SHOWER														
	5	HUGHES SAFETY	DEC-V-3	WALL MOUNT SHOWER														
	6	HUGHES SAFETY	CUP SPECIAL	DECON														
	7	HUGHES SAFETY	DEC V-5	PPE UNIT														
	8	HUGHES SAFETY	DEC VH-5	PPE UNIT														
	9	HUGHES SAFETY	DEC-V5S	PPE UNIT														
	10	HUGHES SAFETY	MARK 1	DECON														
	11	HUGHES SAFETY	2 RDS	RAPID DECON SHELTER														
	12	HUGHES SAFETY	3 RDS	RAPID DECON SHELTER														
	13	HUGHES SAFETY	1 RDS	RAPID DECON SHELTER														
	14	HUGHES SAFETY	5 RDS	RAPID DECON SHELTER														
	15	REEVES	001-3S	RAPID DEPLOY RIGID SHELTER														MIL STD 1472D
	16	REEVES	001-3XB	RAPID DEPLOY RIGID SHELTER														MIL STD 1472D
	17	REEVES	001-4S	RAPID DEPLOY RIGID SHELTER														MIL STD 1472D
	18	REEVES	001-5XB	RAPID DEPLOY RIGID SHELTER														MIL STD 1472D
2.17 Inspection mirrors																		
	1	SAS R&D SERVICES	MODEL 1000	INSPECTION MIRROR														NO STANDARD
	2	SAS R&D SERVICES	SERIES 04	UNDER VEHICLE MIRROR														NO STANDARD
	3	SAS R&D SERVICES	MODEL 75	FOLDING MIRROR														NO STANDARD
	4	SAS R&D SERVICES	MODEL L-100	LEGIOR MIRROR														NO STANDARD
	5	SAS R&D SERVICES	L-500	LEGIOR MIRROR														NO STANDARD
	6	SAS R&D SERVICES	L-600	LEGIOR MIRROR														NO STANDARD
	7	SAS R&D SERVICES	MODEL 50	MINI-MIRROR														NO STANDARD
	8	BROSSARD	MODEL P120 IM	INSPECTION MIRROR														NO STANDARD
	9	BROSSARD	MODEL P120 FIM	INSPECTION MIRROR														NO STANDARD
	10	BROSSARD	MODEL P120 IMW	INSPECTION MIRROR														NO STANDARD
	11	BROSSARD	P120 FIMW	INSPECTION MIRROR														NO STANDARD
	12	BROSSARD	P120 IMLW	INSPECTION MIRROR														NO STANDARD
	13	BROSSARD	P120 FIMLW	INSPECTION MIRROR														NO STANDARD
2.18 Ion Track Explosive Detector	1	NOTHING																
3. CBRNE Search and Rescue Equipment - Equipment providing a technical search and rescue capability for a CBRNE environment:																		
3.1 Hydraulic tools: hydraulic power unit	1	NOTHING																
3.2 Listening devices: hearing protection																		
	1	AUDIO PAK		THROAT COM														MIL STD
	2	AUDIO PAK		UNICON														MIL STD
	3	AUDIO PAK		TRI COM														MIL STD
	4	AUDIO PAK		PHONE COM														MIL STD
	5	AMERICAN ALSAFE	23350	HEARING PROTECTOR														NIOSH
	6	AMERICAN ALSAFE	23354	HEARING PROTECTOR														NIOSH
	7	MSA	MICH	COMMUNICATION SYSTEM														MIL SPEC
3.3 Search cameras (including thermal and infrared imaging)																		
	1	FLIR SYSTEMS	B1	THERMA CAM														CLASS 2
	2	FLIR SYSTEMS	B2	THERMA CAM														CLASS 2
	3	BULLARD	TACSCOPE	MONOCULAR EYEPIECE														
	4	BULLARD	MOBILELINK	RECEIVER														
	5	BULLARD	T3MAX	T3MAX THERMAL IMAGER FOR FIRE SERVICE / USAR OPERATIONS														MIL 810E IP67

ATTACHMENT 2- sheet 2	Standards for Personal Protective Gear for First Responders										Standards for Radiation and Nuclear Detection Equipment				Other Standard/ Certification	Other Standard/ Certification	Other Standard/ Certification		
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	6	BULLARD	T3XT	T3XT THERMAL IMAGER FOR FIRE SERVICE / USAR OPERATIONS												MIL 810E IP67			
	7	BULLARD	CMDRED	TICOMMANDER THERMAL IMAGER FOR FIRE SERVICE / USAR OPERATIONS												MIL 810E IP67			
3.4 Breaking devices (including spreaders, saws, and hammers)																			
	1	IML	DOORBUSTER STD													NO STANDARD			
	2	IML	DOORBUSTER DELUXE													NO STANDARD			
3.5 Lifting devices (including air bag systems, hydraulic rams, jacks, ropes, and block and tackle)	1	AIR CUSHIONS MANUFACTURES A FULL LINE OF ACCESSORIES																	
	2	AIR CUSHIONS	ACLB12	AIRCRAFT LIFT BAG													NASA, MIL SPEC		
	3	AIR CUSHIONS	ACLB12D	AIRCRAFT LIFT BAG													NASA, MIL SPEC		
	4	AIR CUSHIONS	ACLB20	AIRCRAFT LIFT BAG													NASA, MIL SPEC		
	5	AIR CUSHIONS	ACLB20D	AIRCRAFT LIFT BAG													NASA, MIL SPEC		
	6	AIR CUSHIONS	ACLB40	AIRCRAFT LIFT BAG													NASA, MIL SPEC		
	7	AIR CUSHIONS	ACLB40D	AIRCRAFT LIFT BAG													NASA, MIL SPEC		
	8	AIR CUSHIONS	MPLB	LIFTING BAG													NASA, MIL SPEC		
	9	AIR CUSHIONS	PST	STARTER CUSHION													NASA, MIL SPEC		
	10	AIR CUSHIONS	PME	MEDIUM LIFT CUSHION													NASA, MIL SPEC		
	11	AIR CUSHIONS	PHL	HIGH LIFT CUSHION													NASA, MIL SPEC		
	12	AIR CUSHIONS	PHE	HEAVY LIFT													NASA, MIL SPEC		
	13	AIR CUSHIONS	HEXL	HEAVY LIFT													NASA, MIL SPEC		
	14	AIR CUSHIONS	HDM	HEAVY LIFT													NASA, MIL SPEC		
	15	AIR CUSHIONS	HDMXL	HEAVY LIFT													NASA, MIL SPEC		
	16	AIR CUSHIONS	MONSTER	HEAVY LIFT													NASA, MIL SPEC		
	17	AIR CUSHIONS	PACKAGE 1	LIFTING KIT													NASA, MIL SPEC		
	18	AIR CUSHIONS	PACKAGE 2	LIFTING KIT													NASA, MIL SPEC		
	19	AIR CUSHIONS	PACKAGE 3	LIFTING KIT													NASA, MIL SPEC		
3.6 Blocking and bracing materials	1	NOTHING																	
3.7 Evacuation stretchers, baskets, and chairs (for evacuation of disabled personnel)	1	NEW CONCEPT	PSC-C	WHEELED STRETCHER														N/A	
	2	NEW CONCEPT	PSC-R	WHEELED STRETCHER, ROLEEZ WHEELS														N/A	
	7	REEVES	ES 101	LITTER														NO STANDARD	
	8	REEVES	ES 102	STRETCHER														NO STANDARD	
	9	REEVES	IS 101	FOLDING LITTER														NO STANDARD	
	10	REEVES	CLCR	FOLDING LITTER														NO STANDARD	
	11	REEVES	ES-201	STAIR CHAIRS														NO STANDARD	
	12	NORTH AMERICAN RESCUE	RAV 90C	RAVEN														NO STANDARD	
	13	NORTH AMERICAN RESCUE	TAL-81L	EVAC LITTER														NATO & US AIRFORCE CERTIFIED	
	14	REEVES	STI-RAY	EVAC LITTER														NATO & US AIRFORCE CERTIFIED	
	15	SKEDCO	SKED MODEL SK250 EVAC	EVAC LITTER														N/A	
3.8 Ventilation fans	1	AIR SYSTEMS	PPV-20EXP	EXPLOSION PROOF VENTILATOR														CLASS I, DIV I, GROUP D, CLASS II, DIV 1, GROUP E, F, & G	

ATTACHMENT 2- sheet 2	Standards for Personal Protective Gear for First Responders							Standards for Radiation and Nuclear Detection Equipment							Other Standard/ Certification	Other Standard/ Certification	Other Standard/ Certification	
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3.9 Rescue ropes and ladders (including rescue pulley systems)	1	ARAMSCO OFFERS THE COMPLETE LINE OF MSA RESCUE DEVICES INCLUDING ROPE, ROPE BAGS, PULLEYS, DECENDERS, ETC.													ANSI STANDARD			
3.10 Confined Space Kits (such as MSA Watchman)																		
	1	MSA		SIRUS W/PID OFFERED IN 14 DIFFERENT CONFIGURATIONS														INTRINSICALLY SAFE CLASS I, DIVISION 1, GROUPS A, B, C, & D
	2	MSA		SOLARIS OFFERED IN 4 DIFFERENT CONFIGURATIONS														INTRINSICALLY SAFE CLASS I, DIVISION 1, GROUPS A, B, C, & D
	3	MSA		5 STAR OFFERED IN 2 DIFFERENT CONFIGURATIONS														INTRINSICALLY SAFE CLASS I, DIVISION 1, GROUPS A, B, C, & D
	4	MSA		ORION MULTIGAS DETECTOR OFFERED IN 6 DIFFERENT CONFIGURATIONS														INTRINSICALLY SAFE CLASS I, DIVISION 1, GROUPS A, B, C, & D
	5	MSA		ORION G MULTIGAS AND LEAK DETECTOR OFFERED IN 6 DIFFERENT CONFIGURATIONS														INTRINSICALLY SAFE CLASS I, DIVISION 1, GROUPS A, B, C, & D
	6	AIM		COMMANDER, 14 DIFFERENT CONFIGURATIONS														INTRINSICALLY SAFE CLASS I, DIVISION 1, GROUPS A, B, C, & D
	7	DRAEGER		MINIWARN, 14 DIFFERENT CONFIGURATIONS														INTRINSICALLY SAFE CLASS I, DIVISION 1, GROUPS A, B, C, & D
	8	DRAEGER		X-AM 7000, 6 DIFFERENT CONFIGURATIONS														INTRINSICALLY SAFE CLASS I, DIVISION 1, GROUPS A, B, C, & D
3.11 Underwater equipment including: lights, metal detectors, communication and video units, lift bags, water rescue helmets, ice hooks, buoyancy compensator, and underwater scooter/DPV																		
	1	GARRETT	SEA HUNTER MARC II	UNDERWATER METAL DETECTOR														
3.12 SCUBA equipment including: exposure and pressurized suites, face masks, regulators, air tanks, and pony bottles.																		
	1	LAKELAND	TK655	LEVEL A						EXCEEDS NFPA 1991								
	2	LAKELAND	TK645	LEVEL A						EXCEEDS NFPA 1991								
<b>4. Interoperable Communications Equipment -</b> Equipment and systems providing connectivity and electrical interoperability between local and interagency organizations to coordinate CBRNE response operations. When utilizing ODP program funds in the category of Interoperable Communications Equipment to build, upgrade, enhance, or replace communications systems, grantees and sub-grantees should develop a comprehensive interoperable communications plan before procurement decisions are made. Equipment should meet Project 25 standards.																		
4.1 Land Mobile, Two-Way In-Suit Communications (secure, hands free, fully duplex, optional), including air-to-ground capability (as required)																		
	1	AUDIO PAK		THROAT COM														MIL STD
	2	AUDIO PAK		UNICON														MIL STD
	3	AUDIO PAK		TRI COM														MIL STD

ATTACHMENT 2- sheet 2				Standards for Personal Protective Gear for First Responders								Standards for Radiation and Nuclear Detection Equipment				Other Standard/ Certification	Other Standard/ Certification	Other Standard/ Certification			
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	4	AUDIO PAK		PHONE COM													MIL STD				
	5	AMERICAN ALSAFE	23350	HEARING PROTECTOR													NIOSH				
	6	AMERICAN ALSAFE	23354	HEARING PROTECTOR													NIOSH				
	7	MSA	MICH	COMMUNICATION SYSTEM													MIL SPEC				
4.2 Personnel Alert Safety System (PASS) - (location and physiological monitoring systems optional)				1	NOTHING																
4.3 Personnel Accountability Systems				1	TACTRON	HELMET SHIELDS												NO STANDARDS			
	2	TACTRON		PASSES														NO STANDARDS			
	3	TACTRON		NAME TAG SETS														NO STANDARDS			
	4	TACTRON		SUPPORT KIT														NO STANDARDS			
	5	TACTRON		TACTICAL BOARD														NO STANDARDS			
4.4 Portable Meteorological Station (monitors temperature, wind speed, wind direction and barometric pressure at a minimum)				1	COASTAL ENVIRONMENTAL	400TRX	WEATHER PAK											MIL STANDARD 810E			
5. <b>Detection Equipment</b> - Equipment to sample, detect, identify, quantify, and monitor for chemical, biological, radiological/nuclear, and explosive agents throughout designated areas or at specific points, including equipment necessary to enhance laboratory detection capabilities:																					
<b>Chemical</b>																					
5.1 M-8 Detection Paper for chemical agent identification				1	ANACHEMIA		M-8 PAPER												NATO STANDARD		
	2	SAFETY SOLUTIONS	SM-8	M8 SMART STRIP														NO STANDARD			
5.2 M-9 Detection Paper (roll) for chemical agent (military grade) detection				1	ANACHEMIA		M9 PAPER												NATO STANDARD		
5.3 M-256 Detection Kit for Chemical Agent (weapons grade—blister: CX/HD/L; blood: AC/CK; and nerve: GB/VX) detection				1	TRUE TECH	CM256A1	CHEMICAL AGENT DETECTOR KIT												NATO STANDARD		
5.4 M-256 Training Kit				1	TRUE TECH	M256A1	M256 TRAINING KIT												NO STANDARD		
5.5 M-18 Series Chemical Agent Detector Kit for surface/vapor chemical agent analysis				1	NOTHING																
5.6 Hazard Categorizing (HAZCAT) Kits				1	HAZTECH SYSTEMS	KT209	BASIC HAZCAT SYSTEM												NO STANDARD		
	2	HAZTECH SYSTEMS	KT204	HAZCAT SYSTEM W/GASTECH															NO STANDARD		
	3	HAZTECH SYSTEMS	KT1205	HAZCAT SYSTEM W/TUBES															NO STANDARD		
	4	HAZTECH SYSTEMS	KT1206	HAZCAT SYSTEM W/DRAEGER PUMP															NO STANDARD		
	5	HAZTECH SYSTEMS	KT1207	HAZCAT SYSTEM W/DRAEGER TUBES															NO STANDARD		
	6	HAZTECH SYSTEMS	KT1002	HAZCAT SYSTEM UPGRADE															NO STANDARD		
	7	HAZTECH SYSTEMS	KT1001	HAZCAT SYSTEM METH OPTION															NO STANDARD		
	8	HAZTECH SYSTEMS	KT1003	HAZCAT METH/CHEMICAL IDENTIFICATION															NO STANDARD		
	9	HAZTECH SYSTEMS	KT1035	HAZCAT WMD KIT															NO STANDARD		
	10	HAZTECH SYSTEMS	KT1040	MICROCAT KIT															NO STANDARD		
	11	HAZTECH SYSTEMS	KT1044	COMMAND CAT KIT															NO STANDARD		
	12	SAFETY SOLUTIONS	HM SS-1	HAZMAT SMART STRIP															NO STANDARD		



ATTACHMENT 2- sheet 2				Standards for Personal Protective Gear for First Responders										Standards for Radiation and Nuclear Detection Equipment					
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	6	AIM		COMMANDER, 14 DIFFERENT CONFIGURATIONS												INTRINSICALLY SAFE CLASS I, DIVISION 1, GROUPS A, B, C, & D			
	7	DRAEGER		MINIWARN, 14 DIFFERENT CONFIGURATIONS												INTRINSICALLY SAFE CLASS I, DIVISION 1, GROUPS A, B, C, & D			
	8	DRAEGER		X-AM 7000, 6 DIFFERENT CONFIGURATIONS												INTRINSICALLY SAFE CLASS I, DIVISION 1, GROUPS A, B, C, & D			
5.16 Leak Detectors (soap solution, ammonium hydroxide, etc)	1	NOTHING																	
5.17 pH Paper/pH Meter	1	SPILLFIGHTER	580050	WASTE WATER CLASSIFIER STRIP														NO STANDARD	
5.18 Waste Water Classifier Kit	1	SPILLFIGHTER	571020	CHEMICAL CLASSIFIER KIT														NO STANDARD	
	2	SPILLFIGHTER	57631	WASTER WATER CLASSIFIER KIT														NO STANDARD	
5.19 Oxidizing Paper	1	NOTHING																	
5.20 Protective cases for sensitive detection equipment storage and transport	1	ARAMSCO CARRIES THE COMPLETE LINE OF PELICAN AND UNDERWATER KINETICS PROTECTIVE CASES - AVAILABLE WITH CUSTOM MOLDED INSERTS																	
<b>Biological</b>																			
5.21 Point Detection Systems/Kits (Immunoassay or other technology)	1	ALEXETER TECHNOLOGIES	R-5001	THE DEFENDER READER														NO STANDARD	
<b>Radiological/Nuclear</b>																			
5.22 Radiation detection equipment (electronic or other technology that detects alpha, beta, gamma, and high intensity gamma)	1	MGP	RTM-9118	RAM-R 200 Survey Meter															
	2	MGP	RTM-8108	RG-10 Beta/Gamma Probe															
	3	MGP	RTM-9001	PA/100-M Alpha Detector															
	4	MGP	RTM-8104	RC-40 High Energy Gamma Probe															
	5	MGP	RTM-3072	RP-11 NaI Scintillation Gamma Detector															
	6	MGP	RTM-8103	RG-12 Beta/Gamma Probe															
	7	MGP	RTM-9113	Telescope Wide Range															
	8	MGP	RTM-9103	RAM ION Portable Ion Chamber															
	9	MGP	RTM-A007	AMP-50 GM-tube Gamma Survey Meter															
	10	MGP	RTM-A004	AMP-100 GM-tube Gamma Survey Meter															
	11	MGP	RTM-A005	AMP-200 GM-tube Gamma Survey Meter															
	12	MGP	RTM-4049	PDS-100G Personal Gamma Detector								X							
	13	MGP	RTM-4048	PDS-100GN Gamma/Neutron Detector								X							
5.23 Personal Dosimeter	1	MGP	115663	DMC-2000S															
	2	MGP	D20-A002	DMC-2000X															
	3	MGP	D20-A001	DMC-2000XB															
	4	MGP	126375	SOR/R-20															MIL STD 810
	5	MGP	126378	SOR/T-20															MIL STD 810
5.24 Scintillation Fluid (radiological) pre-packaged	1	NOTHING																	
5.25 Radiation monitors	1	MGP	RTM-9130	DRM-1 Area Monitor w/ GM-tubes															
	2	MGP	RTM-9131	DRM-1D Area Monitor w/ Csl detector															
	3	MGP	RAG-RTM910	RTM-910 Vehicle Monitor															
	4	MGP	RAG-RTM950	RTM-950 Check Point Gamma Portal Monitor															
<b>6. Decontamination Equipment</b> - Equipment and material used to clean, remediate, remove or mitigate chemical and biological contamination:																			





ATTACHMENT 2- sheet 2		Manufacturer	Part number	Brief Description	Standards for Personal Protective Gear for First Responders					Standards for Radiation and Nuclear Detection Equipment					Other Standard/ Certification	Other Standard/ Certification	Other Standard/ Certification			
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	10	MGP	RTM-A004	AMP-100 GM-tube Gamma Survey Meter																
	11	MGP	RTM-A005	AMP-200 GM-tube Gamma Survey Meter																
	12	MGP	RTM-4049	PDS-100G Personal Gamma Detector									X							
	13	MGP	RTM-4048	PDS-100GN Gamma/Neutron Detector									X							
7.6 Nuclear	1	NOTHING																		
7.7 Ground/Wall Penetrating Radar	1	NOTHING																		
<b>Inspection/Detection Systems</b>																				
7.8 Vehicle and Cargo Inspection System – Gamma ray																				
	1	HIGH ENERGY	3E3	SIEGMA 3E3																NO STANDARD
7.9 Mobile Search and Inspection System – X-ray																				
	1	HIGH ENERGY	3E3	SIEGMA 3E3																NO STANDARD
7.10 Non-Invasive Radiological/Chem/Bio/Explosives System – Pulsed Neutron Activation	1	NOTHING																		
<b>Explosion Protection</b>																				
7.11 Blast/Shock/Impact Resistant Systems	1	NOTHING																		
7.12 Protective Clothing	1	PROTECTIVE CLOTHING IS COVERED IN PPE SECTION																		
7.13 Column and Surface Wraps; Breakage/Shatter Resistant Glass; Window Wraps	1	NOTHING																		
7.14 Robotic Disarm/Disable Systems																				
	1	WM ROBOTS	MR-5	ROBOTIC VEHICLE																NO STANDARD
	2	WM ROBOTS	MR-7	ROBOTIC VEHICLE																NO STANDARD
	3	WM ROBOTS	HAZ-PROBE 2002	ROBOTIC VEHICLE																NO STANDARD
<b>Support Equipment for Continuation of Critical Infrastructure Operations</b>																				
7.15 Self-monitoring sensors and alarms																				
	1	MSA		SIRUS W/PID OFFERED IN 14 DIFFERENT CONFIGURATIONS																INTRINSICALLY SAFE CLASS I, DIVISION 1, GROUPS A, B, C, & D
	2	MSA		SOLARIS OFFERED IN 4 DIFFERENT CONFIGURATIONS																INTRINSICALLY SAFE CLASS I, DIVISION 1, GROUPS A, B, C, & D
	3	MSA		5 STAR OFFERED IN 2 DIFFERENT CONFIGURATIONS																INTRINSICALLY SAFE CLASS I, DIVISION 1, GROUPS A, B, C, & D
	4	MSA		ORION MULTIGAS DETECTOR OFFERED IN 6 DIFFERENT CONFIGURATIONS																INTRINSICALLY SAFE CLASS I, DIVISION 1, GROUPS A, B, C, & D
	5	MSA		ORION G MULTIGAS AND LEAK DETECTOR OFFERED IN 6 DIFFERENT CONFIGURATIONS																INTRINSICALLY SAFE CLASS I, DIVISION 1, GROUPS A, B, C, & D
	6	AIM		COMMANDER, 14 DIFFERENT CONFIGURATIONS																INTRINSICALLY SAFE CLASS I, DIVISION 1, GROUPS A, B, C, & D
	7	DRAEGER		MINIWARN, 14 DIFFERENT CONFIGURATIONS																INTRINSICALLY SAFE CLASS I, DIVISION 1, GROUPS A, B, C, & D
	8	DRAEGER		X-AM 7000, 6 DIFFERENT CONFIGURATIONS																INTRINSICALLY SAFE CLASS I, DIVISION 1, GROUPS A, B, C, & D

ATTACHMENT 2- sheet 2		Manufacturer	Part number	Brief Description	Standards for Personal Protective Gear for First Responders	Standards for Personal Protective Gear for First Responders	Standards for Personal Protective Gear for First Responders	Standards for Personal Protective Gear for First Responders	Standards for Personal Protective Gear for First Responders	Standards for Personal Protective Gear for First Responders	Standards for Personal Protective Gear for First Responders	Standards for Personal Protective Gear for First Responders	Standards for Personal Protective Gear for First Responders	Standards for Personal Protective Gear for First Responders	Standards for Personal Protective Gear for First Responders	Standards for Personal Protective Gear for First Responders	Standards for Personal Protective Gear for First Responders	Standards for Personal Protective Gear for First Responders	Standards for Personal Protective Gear for First Responders
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<p><b>8. Terrorism Incident Prevention Equipment (Terrorism Early Warning, Prevention, and Deterrence Equipment and Technologies)</b> - State and local emergency preparedness, prevention and response agencies will increasingly rely on the integration of emerging technologies and equipment to improve jurisdictional capabilities to deter and prevent terrorist incidents. This includes, but is not limited to, equipment and associated components that enhance a jurisdiction's ability to disseminate advanced warning information to prevent a terrorist incident or disrupt a terrorist's ability to carry out the event, including information sharing, threat recognition, and public/private sector collaboration.</p>																			
8.1 Law enforcement surveillance equipment																			
	1	VIEW SYSTEMS	10001	SECURE SCAN WEAPON DETECTOR															NO STANDARD
	2	WM ROBOTS	SCUVSS	UNDER VEHICLE SURVEILLANCE SYSTEM															NO STANDARD
	3	WM ROBOTS	B&W-SBLVSS	UNDER VEHICLE SURVEILLANCE SYSTEM															NO STANDARD
	4	WM ROBOTS	MCUVSS	UNDER VEHICLE SURVEILLANCE SYSTEM															NO STANDARD
	5	WM ROBOTS	MBUVSS	UNDER VEHICLE SURVEILLANCE SYSTEM															NO STANDARD
<p><b>9. CBRNE Logistical Support Equipment</b> - Logistical support gear used to store and transport the equipment to the CBRNE incident site and handle it once onsite. This category also includes small support equipment including intrinsically safe (non-sparking) hand tools required to support a variety of tasks and to maintain equipment purchased under the grant, as well as general support equipment intended to support the CBRNE incident response. The State should also consider procurement of software to assist in tracking and maintaining statewide equipment assets.</p>																			
9.1 Equipment trailers		1	ALL ARAMSCO EQUIPMENT TRAILERS ARE MANUFACTURED TO MEET DOT STANDARDS																
9.2 Staging tents and portable shelter units		1	ALL HUGHES SHOWERS AND DECON TENT AND SHELTERS HAVE BEEN APPROVED BY NATO AND THE BRITISH MINISTRY OF DEFENSE. THESE ARE FEATURED ON PPS 38-47 OF ARAMSCO'S HOMELAND SECURITY CATALOG																
	2	HUGHES SAFETY	300-16E	DECON															
	3	HUGHES SAFETY	DEC-V-1	WALL MOUNT SHOWER															
	4	HUGHES SAFETY	DEC-V-2	WALL MOUNT SHOWER															
	5	HUGHES SAFETY	DEC-V-3	WALL MOUNT SHOWER															
	6	HUGHES SAFETY	CUP SPECIAL	DECON															
	7	HUGHES SAFETY	DEC V-5	PPE UNIT															
	8	HUGHES SAFETY	DEC VH-5	PPE UNIT															
	9	HUGHES SAFETY	DEC-V5S	PPE UNIT															
	10	HUGHES SAFETY	MARK 1	DECON															
	11	HUGHES SAFETY	2 RDS	RAPID DECON SHELTER															
	12	HUGHES SAFETY	3 RDS	RAPID DECON SHELTER															
	13	HUGHES SAFETY	1 RDS	RAPID DECON SHELTER															
	14	HUGHES SAFETY	5 RDS	RAPID DECON SHELTER															
	15	REEVES	001-35	RAPID DEPLOY RIGID SHELTER															MIL STD 1472D

ATTACHMENT 2- sheet 2	Standards for Personal Protective Gear for First Responders										Standards for Radiation and Nuclear Detection Equipment									
	Manufacturer	Part number	Brief Description	Meets NIOSH Chemical, Biological, Radiological and Nuclear (CBRN) Standard for Open-Circuit Self-Contained Breathing Apparatus (December 2001).	Meets NIOSH Standard for Chemical, Biological, Radiological, and Nuclear (CBRN) Full Face Purifying Air Respirator (APR).	Meets NIOSH Standard for Chemical, Biological, Radiological, and Nuclear (CBRN) Air-Purifying Escape Respirator and CBRN Self-Contained Escape Respirator.	Meets NFPA 1951, Standard on Protective Ensemble for USAR Operations.	Meets NFPA 1981, Standard on Open-Circuit Self-Contained Breathing Apparatus for Fire and Emergency Services.	Meets NFPA 1991, Standard on Vapor-Protective Ensembles for Hazardous Materials Emergencies.	Meets NFPA 1994, Standard on Protective Ensembles for Chemical/Biological Terrorism Incidents.	Meets NFPA 1999, Standard on Protective Clothing for Emergency Medical Operations.	Meets ANSI N42.32: Performance Criteria for Alarming Personal Radiation Detectors.	Meets ANSI N42.33: Radiation Detection Instrumentation	Meets ANSI N42.34: Performance Criteria for Hand-Held Instruments for the Detection and Identification of Radionuclides.	Meets ANSI N42.35: Evaluation and Performance of Radiation Detection Portal Monitors	Other Standard/ Certification	Other Standard/ Certification	Other Standard/ Certification		
	16	REEVES	001-3XB	RAPID DEPLOY RIGID SHELTER														MIL STD 1472D		
	17	REEVES	001-4S	RAPID DEPLOY RIGID SHELTER														MIL STD 1472D		
	18	REEVES	001-5XB	RAPID DEPLOY RIGID SHELTER														MIL STD 1472D		
9.3 Weather-tight containers for equipment storage	1	ARAMSCO OFFERS PELICAN AND UNDERWATER KINETIC CASES																		
9.4 Software for equipment tracking and inventory	1	NOTHING																		
9.5 Handheld computers for Emergency Response applications	1	NOTHING																		
9.6 Small hand tools	1	SAFETY TOOLS	CBRNE-6201	NON SPARKING TOOL KIT														MIL STD, MFG TO CBRNE STANDARD		
	2	SAFETY TOOLS	HSEOD5001	EOD TOOL KIT														MIL STD, MFG TO CBRNE STANDARD		
	3	SAFETY TOOLS	TKS-003	NON SPARKING TOOL KIT														MIL STD, MFG TO CBRNE STANDARD		
9.7 Binoculars, head lamps, range finders and spotting scopes (not for weapons use)	1	SWIFT	713	SEA WOLF														NO STANDARD		
	2	SWIFT	753	ARMORED SEA HAWK														NO STANDARD		
	3	SWIFT	781A	ARMORED AEROLITE														NO STANDARD		
	4	SWIFT	704B	COUGAR														NO STANDARD		
	5	SWIFT	802	TRILYTE														NO STANDARD		
9.8 Night vision goggles	1	NOTHING																		
9.10 Light and heavy duty generators to operate search and rescue equipment, light sets, water pumps for decontamination sets	1	CUMMINS	CMQD	DIESEL GENERATOR														UL LISTED, USDA APPROVED, SPARK ARRESTOR		
	2	WACKERS	G2.5A	PORTABLE GENERATORS														U/L LISTED		
	3	WACKERS	G3.7A	PORTABLE GENERATORS														U/L LISTED		
	4	WACKERS	G5.6A	PORTABLE GENERATORS														U/L LISTED		
	5	WACKERS	GS5.6A	PORTABLE GENERATORS														U/L LISTED		
	6	WACKERS	GS9.7V	PORTABLE GENERATORS														U/L LISTED		
	7	WACKERS	GS8.5V	PORTABLE GENERATORS														U/L LISTED		
	8	WACKERS	G25	PORTABLE GENERATORS														U/L LISTED		
	9	WACKERS	G12	PORTABLE GENERATORS														U/L LISTED		
	10	WACKERS	G50	PORTABLE GENERATORS														U/L LISTED		
	11	WACKERS	G70	PORTABLE GENERATORS														U/L LISTED		
	12	WACKERS	G110	PORTABLE GENERATORS														U/L LISTED		
	13	WACKERS	G125	PORTABLE GENERATORS														U/L LISTED		
	14	WACKERS	G155	PORTABLE GENERATORS														U/L LISTED		
9.11 Light sets for nighttime operations/security (including emergency light poles)	1	DESIGNERS EDGE	L-4205	PORTABLE LIGHT														U/L & CUL LISTED		
	2	DESIGNERS EDGE	L-4206	PORTABLE LIGHT														U/L & CUL LISTED		
	3	DESIGNERS EDGE	L-4202	PORTABLE LIGHT														U/L & CUL LISTED		
	4	DESIGNERS EDGE	L-1790	PORTABLE LIGHT														U/L & CUL LISTED		
	5	STEWART BROWN	XP162-50	EXPLOSION PROOF LIGHT														U/L CSA CERTIFIED, CLASS I, GROUPS C & D		

ATTACHMENT 2- sheet 2	Standards for Personal Protective Gear for First Responders										Standards for Radiation and Nuclear Detection Equipment					Other Standard/ Certification	Other Standard/ Certification	Other Standard/ Certification		
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	6	WACKERS	LTC4L	LIGHT TOWER														U/L LISTED DOT COMPLAINT		
9.12 Electrical current detectors and DC to AC inverter equipment	1	NOTHING																		
9.13 Equipment harnesses, belts, and vests (including incident command vests)	1	ARAMSCO CARRIES A COMPLETE LINE OF HARNESSSES, BELTS, ROPES, SAFETY VESTS, AND COMMAND VESTS, AND ALL MEET OR EXCEED ANSI STANDARDS.																		
9.14 Isolation containers for suspected chemical/biological samples																				
	1	TOP CAT	H2-03																	
	2	EAGLE	947BIO																	NO STANDARD
	3	EAGLE	945BIO																	OSHA
	4	EAGLE	943BIO																	OSHA
9.15 Bull horns and other PA systems																				
	1	IML	SC100CP	SOUND COMMANDER																NO STANDARD
	2	IML	SC1000EP	SOUND COMMANDER																NO STANDARD
	3	IML	SC1000LS	SOUND COMMANDER																NO STANDARD
	4	IML	1000MC	SOUND COMMANDER																NO STANDARD
	5	IML	3000PA	SOUND COMMANDER																NO STANDARD
	6	IML	SC3600	SOUND COMMANDER																NO STANDARD
9.16 Traffic and crowd control devices (traffic and reflective cones, arrow and zone signs, portable barriers)																				
	1	TRAFFIX	21264-SCT	SAFETY CONE																MUTCD STU
	2	TRAFFIX	21464-SCB	SAFETY CONE																MUTCD STU
	3	TRAFFIX	21664-SCD	SAFETY CONE																MUTCD STU
	4	TRAFFIX	21164-SC	SAFETY CONE																MUTCD STU
	5	ZEPHYR	2600	SIGN STAND																MUTCD STU
	6	TRAFFIX	26036-EFP	SIGN																MUTCD STU
	7	TRAFFIX	26048-EFP	SIGN																MUTCD STU
	8	TRAFFIX	45032-0	WATER WALL																MUTCD STU
	9	TRAFFIX	40614	WATER WALL																MUTCD STU
9.17 Water pumps for decontamination systems	1	ALL WATER PUMPS FEATURED IN ARAMSCO'S 2005 HOMELAND SECURITY CATALOG ARE MANUFACTURED TO U/L STANDARDS.																		
9.18 Bar code scanner/reader for equipment inventory control																				
	1	EMS WARE	DMS-05102	TRIAGE TRAK																NO STANDARD
	2	EMS WARE	DMS-05101	SCANNER																NO STANDARD
	3	EMS WARE	DMS-05103	INCIDENT BUNDLE																NO STANDARD
9.19 Badging system equipment and supplies	1	NOTHING																		
9.20 Cascade system for refilling SCBA oxygen bottles	1	ALL ARAMSCO CASCADES ARE CUSTOM BUILT AND MEET DOT STANDARDS.																		
9.21 SCBA fit test equipment and software to conduct flow testing	1	NOTHING																		
9.22 Testing equipment for fully encapsulated suits and respirators																				
	1	LAKELAND	00010	LEVEL A TEST KIT																NO STANDARD
	2	LAKELAND	00011	LEVEL A TEST KIT																NFPA
	3	LAKELAND	00200	LEVEL A TEST KIT																NO STANDARD
9.23 Cooling/heating/ventilation fans (personnel and decontamination tent use)																				
	1	ARAMSCO	91220	PORTABLE AIR CONDITIONER																U/L STANDARD
	2	HEAT WAGON	HVF400	INDIRECT OIL HEATER																CSA
	3	HEAT WAGON	HVF300	INDIRECT OIL HEATER																CSA
	4	HEAT WAGON	HVF180	INDIRECT OIL HEATER																CSA
	5	HEAT WAGON	LVF90	INDIRECT OIL HEATER																CSA
9.24 HAZMAT gear bag/box																				
	1	ARAMSCO	40811	TACTICAL GEAR BAG																NO STANDARD
	2	ARAMSCO	40813	TACTICAL GEAR BAG																NO STANDARD
	3	ARAMSCO	40816	TACTICAL GEAR BAG																NO STANDARD
<b>10. Medical Supplies</b> - Medical supplies required for response to a CBRNE incident at the advanced life support level. Grantees are responsible for replenishing items after shelf-life expiration date(s).																				
	1	SEATTLE TARP	IS2	ISO CHAMBER																NO STANDARD
	2	SEATTLE TARP	IS1	ISO CHAMBER																NO STANDARD
	3	SEATTLE TARP	IR99	ISO ROOM																NO STANDARD
	4	SEATTLE TARP	IR910	ISO ROOM																NO STANDARD
	5	SEATTLE TARP	IR912	ISO ROOM																NO STANDARD
	6	TOP CAT	HZ-40	CONTAINMENT TRAY																OSHA/JCAHO
	7	TOP CAT	HZ-39	DRAIN BAG																OSHA/JCAHO
	8	TOP CAT	HZ-32	CAT SYSTEM																OSHA/EPA
	9	TOP CAT	HZ-41	TRAUMA CAT																OSHA/EPA/JCAHO
	10	AMBU	233-005-000	RESUCITATOR																MIL SPEC
	11	LERDAL	780020	SUCTION UNIT																N/A

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	12	NATURE'S TEARS	40007	STERILE WASH													FDA		
	13	PHILIPS	861304	A.E.D.													FDA		
<b>11. CBRNE Reference Materials</b> - Reference materials and software designed to assist emergency preparedness and response personnel in preparing for and responding to a CBRNE incident. This includes but is not limited to the following:	1	NOTHING																	
11.1 NFPA Guide to hazardous materials	1	NOTHING																	
11.2 NIOSH Hazardous Materials Pocket Guide	1	NOTHING																	
11.3 North American Emergency Response Guide	1	NOTHING																	
11.4 Jane's Chem-Bio Handbook	1	ARAMSCO 2005 HOMELAND SECURITY CATALOG FEATURES THE ENTIRE LINE OF JANE'S HANDBOOKS																	
11.5 First Responder Job Aids	1	NOTHING																	
<b>12. Agricultural Terrorism Prevention, Response &amp; Mitigation Equipment</b>	1	NOTHING																	
<b>Diagnostic Equipment</b>	1	NOTHING																	
<b>Cleaning, Disinfection, and Fumigation</b>	1	MODEK	ATD-5F	PORTABLE CAF DEVICE														MFG TO DOT SPEC	
	2	MODEK	MDF-200-5	DECON FORMULATION														EPA REGISTERED	
	3	ANTEC INTERNATIONAL	V7008	DISINFECTANT														EPA REGISTERED	
	4	GO-JO	9652-12-CMR	HAND SANITIZER														EPA REGISTERED	
	5	MODEK	MDF-120	ANTICEPTIC SKIN DECON														MFG TO DOE SPEC	
	6	TITAN	ED-2	ELECTROSTATIC DECON SPRAYER														MFG TO DOT SPEC	
	7	ANTEC INTERNATIONAL	V005K	DISINFECTANT														MFG TO CDC SPECS & EPA REGISTERED	
	8	ANTEC INTERNATIONAL	V500G	DISINFECTANT														MFG TO CDC SPECS & EPA REGISTERED	
	9	ANTEC INTERNATIONAL	V050G	DISINFECTANT														MFG TO CDC SPECS & EPA REGISTERED	
	10	FASTACT	FA15 4000	DECON SOLUTIONS														VALIDATED BY SBCCOM & BATTELLE	
	11	FASTACT	FA15 2000	DECON SOLUTIONS														VALIDATED BY SBCCOM & BATTELLE	
	12	FASTACT	FA15 0500	DECON SOLUTIONS														VALIDATED BY SBCCOM & BATTELLE	
	13	FASTACT	FA15 5000	DECON SOLUTIONS														VALIDATED BY SBCCOM & BATTELLE	
<b>Disposal Equipment and Supplies</b>	1	DISPOSAL EQUIPMENT COVERED IN ARAMSCO'S SPILL SECTION.																	
<b>Burning and Incinerating Supplies</b>	1	NOTHING																	
<b>General</b>	1	NOTHING																	
<b>13. Intervention Equipment</b> – this category allows for the purchase of specialized law enforcement equipment that is necessary to further enhance their capabilities to prevent domestic terrorism incidents. Grantees are reminded that they must comply with 28 CFR, Parts 66 and 70. In addition, when procuring any Title III equipment, grantees must strictly adhere to requirements of 18 U.S.C., Part I, Chapter 119, Section 2512, pertaining to the manufacture, distribution, possession, and advertising of wire, oral, or electronic communications interception devices. This category includes but is not limited to the following:																			
13.1 Tactical entry equipment (not including weapons)																			
	1	IML	DB11-ST-K	DOOR BUSTER KIT															NO STANDARD
	2	IML	DB11-DE-K	DOOR BUSTER KIT															NO STANDARD
13.2 Title III Equipment (Pin registers)	1	NOTHING																	