



### SECONDARY HAZARD PRCS Configuration Type (Ops / Tech)

Entrants Visible:	Yes	No	Portal Opening	Yes	No
Internal Space:	Spacious	Congested	External Clearance:	Spacious	Congested
Internal Configuration:	Open	Obstructed	Engulfment Potential:	Open	Obstructed

All hazards in and around the hazard space have been identified and can be mitigated by using respiratory protection so that the victim is contacted, confined space entry is established and maintained, atmosphere is continuously monitored, and victim removal can be initiated by a retrieval system.    Yes    No

### PRCS Characteristics: Working at Heights

Elevated > 5'	No	Yes	Space Access:	Horizontal	Vertical
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### Types of Potential Hazards

Radiation	Pressure	Temperature
Chemical	Electrical	Mechanical
Biological	Noise	Gravity
Motion	Strain or Tension	Weather
Oxygen-Deficient Atmosphere	Engulfment	Energized Equipment
Oxygen-Enriched Atmosphere	Toxic Atmosphere	Entrapment
Flammable Atmosphere	Ignition Sources	Hazardous Material
Complex Special Operations	Fatigue	Simultaneous Operations
Other Health Hazards	Other Specific Hazards	Instability or Reactivity

### PRCS HAZARD SUMMARY

	OXYGEN	FLAMMABILITY	TOXICITY	CONFIGURATION
CLASS A	<19.5% OR >23.5%	>10% OF LEL	>IDLH or Ceiling	Complex internal
CLASS B	>-0.1% OR 20.9%	<10% OF LEL	>TLV / REL / PEL	Fall line or inline
CLASS C	>0.1% OF 20.9%	<10% OF LEL	< TLV / REL / PEL	Complex internal
CLASS D	+0.1% OF 20.9%	0 LEL	No exposure	Fall line or inline

### SAFETY PRECAUTIONS

### Isolation Controls

#### Barricade Control Zones

N/A	Initial Isolation & PAD	Exclusion/CRZ/Support	Hot/Warm/Cold
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#### Lock-out / Tag-out

N/A	Air Gap	Double Block & Bleed	Slip Bind	Lock & Tag
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#### Decontamination

N/A	Safety Shower & Eye Wash	Technical	Gross
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### Engineering Controls

Ventilation Natural or Mechanical	Anchor System	Edge Protection
Air Monitoring	AHD Load Mgt. or Friction Mgt.	TTRS
Ladder Rigid or Flexible	Decent Control	Tag Line / Lifeline
Fall Protection	Progress Capture	Dual Tag Line
Intrinsically Safe Lighting	Mechanical Advantage	Track Line
Ground Fault Interrupter	Haul Field Orientation	Control Line
Fire Extinguishers	Center Haul ONLY	Reeve Line
Shoring or Sloping	Oppositional Back tie	Knot Passing
Engineered Trench Box	Stainless Steel Equipment	Specialized Equipment

### Administrative Controls

Span of Control	Signs Posted	Housekeeping
Essential Personnel	Permit	Certified Equipment
Buddy System Established	SDS Sheets Attached	Preflight Checklist
Special Operations Personnel	Joint Hazard Meeting	Touch Test
VAI (Victim Assessment)	Communication Plan	Critical Point Test
MCI (Mass Casualty)	Hydration	Whistle Test
Technician Recycle / Rehab	Fatigue Schedule Required	Upwind & LZ Identified

### PPE Controls

Inert Helmet (Life Support System)	Life Safety Harness	Goggles
SCBA (minimum 45-minute)	Gloves (Leather, CPC, Rope)	Spoggles
SAR w/ 5-minute	Fire-Retardant Clothing	Safety Glasses
Emergency Egress Line (EEL)	Proximity Suit	Ear Protection
PAPR	Chemical Clothing (Level A)	Double Ear Protection
Full Face Respirator	Chemical Clothing (Level B)	Steel Toe Boots
Half Face Respirator	Chemical Clothing (Level C)	Spark Proof Tools
Body Substance Isolation PPE	Hardhat	CS Packaging Device
Edge Restraint	Double Lanyard	Self-Retracting Lifeline

### Method of Summoning Rescue Team, Fire Department and/or EMS

Dial in plant emergency number:

Contact plant via radio channel:

Rescue Team contact number:

Face to Face

Other:

**EXTRACTION** **Main**

*Anchorage System*

Tripod / TerrAdaptor	Structural Beam	Manway	Stairwell Component
Ladder Cage	Welded Steel Handrail	Steel Pipe	Scaffolding Intersection
N/A	Other:		

*Haul System*

Winch/DBI	6:1 Force Accumulation System	Block and Tackle
4:1/5:1 Piggyback	1:1 Lifeline/Tag Line/Load Line	Evolution of Z-Rig
N/A	Other:	

*Lower Device*

Petzl Maestro	CMC Clutch	MPD	Petzl ID
N/A	Other:		

**Belay**

*Anchorage System*

Tripod / TerrAdaptor	Structural Beam	Manway	Stairwell Component
Ladder Cage	Welded Steel Handrail	Steel Pipe	Scaffolding Intersection
N/A	Other:		

*Haul System*

Winch/DBI	6:1 Force Accumulation System	Block and Tackle
4:1/5:1 Piggyback	1:1 Lifeline/Tag Line/Load Line	Evolution of Z-Rig
N/A	Other:	

*Lower Device*

Petzl Maestro	CMC Clutch	MPD	Petzl ID
N/A	Other:		

**Harness**

Full Body Harness (Belay, Central & Dorsal)	Full Body Harness (Dorsal Only)	
Improvised Victim Harness	Wristlets	Anklets
N/A	Other:	

**Packaging Device**

Long Spine Board	C-Collar	Head Immobilizer
Scoop Board	FAST Board	Yates Spec Pak
N/A	Other:	

**System Conversion**

AZTEK	LRH	Dog and Tails	RPM
N/A	Other:		

**Transfer Techniques**

Twin Tension	Pike and Pivot	Dynamic Directional	Two Rope Offset
N/A	Other:		

**AERIAL BASED OPERATION**

Fall Line	Minor Offset	Major Offset	Steep Highline	Highline
N/A	Other:			

**LOWER Main**

*Anchorage System*

Tripod / TerrAdaptor	Structural Beam	Manway	Stairwell Component
Ladder Cage	Welded Steel Handrail	Steel Pipe	Scaffolding Intersection
N/A	Other:		

*Haul System*

Winch/DBI	6:1 Force Accumulation System	Block and Tackle
4:1/5:1 Piggyback	1:1 Lifeline/Tag Line/Load Line	Evolution of Z-Rig
N/A	Other:	

*Lower Device*

Petzl Maestro	CMC Clutch	MPD	Petzl ID
N/A	Other:		

**Belay**

*Anchorage System*

Tripod / TerrAdaptor	Structural Beam	Manway	Stairwell Component
Ladder Cage	Welded Steel Handrail	Steel Pipe	Scaffolding Intersection
N/A	Other:		

*Haul System*

Winch/DBI	6:1 Force Accumulation System	Block and Tackle
4:1/5:1 Piggyback	1:1 Lifeline/Tag Line/Load Line	Evolution of Z-Rig
N/A	Other:	

*Lower Device*

Petzl Maestro	CMC Clutch	MPD	Petzl ID
N/A	Other:		

**Tag Line**

Tag to Yoke/Masterpoint	Tag to Litter	Triangulated Tagline
Elevated Tag	Dual Taglines (Oppositional)	Dragonfly
N/A	Other:	

**System Conversion**

AZTEK	Load Releasing Hitch	Dog and Tails	RPM
N/A	Other:		

**Transfer Techniques**

Twin Tension	Pike and Pivot	Dynamic Directional	Two Rope Offset
Hybrid Skate block	Mirrored/Skate Block	Steep Highline	Highline
N/A	Other:		

**Packaging Device**

Long Spine Board	C-Collar	Head Immobilizer
Scoop Board	FAST Board	Yates Spec Pak
Stokes Litter	Man Basket (Crane)	Skid Pan (Crane)
N/A	Other:	

**Configuration**

IPS Quad-Bridle	Arizona Tri-Bridle	Improvised Bridle
N/A	Other:	

**Masterpoint or Yoke**

Doubled Long Tail Bowlines	Primary Secondary Knots at Masterpoint	Crane Hook
N/A	Other:	

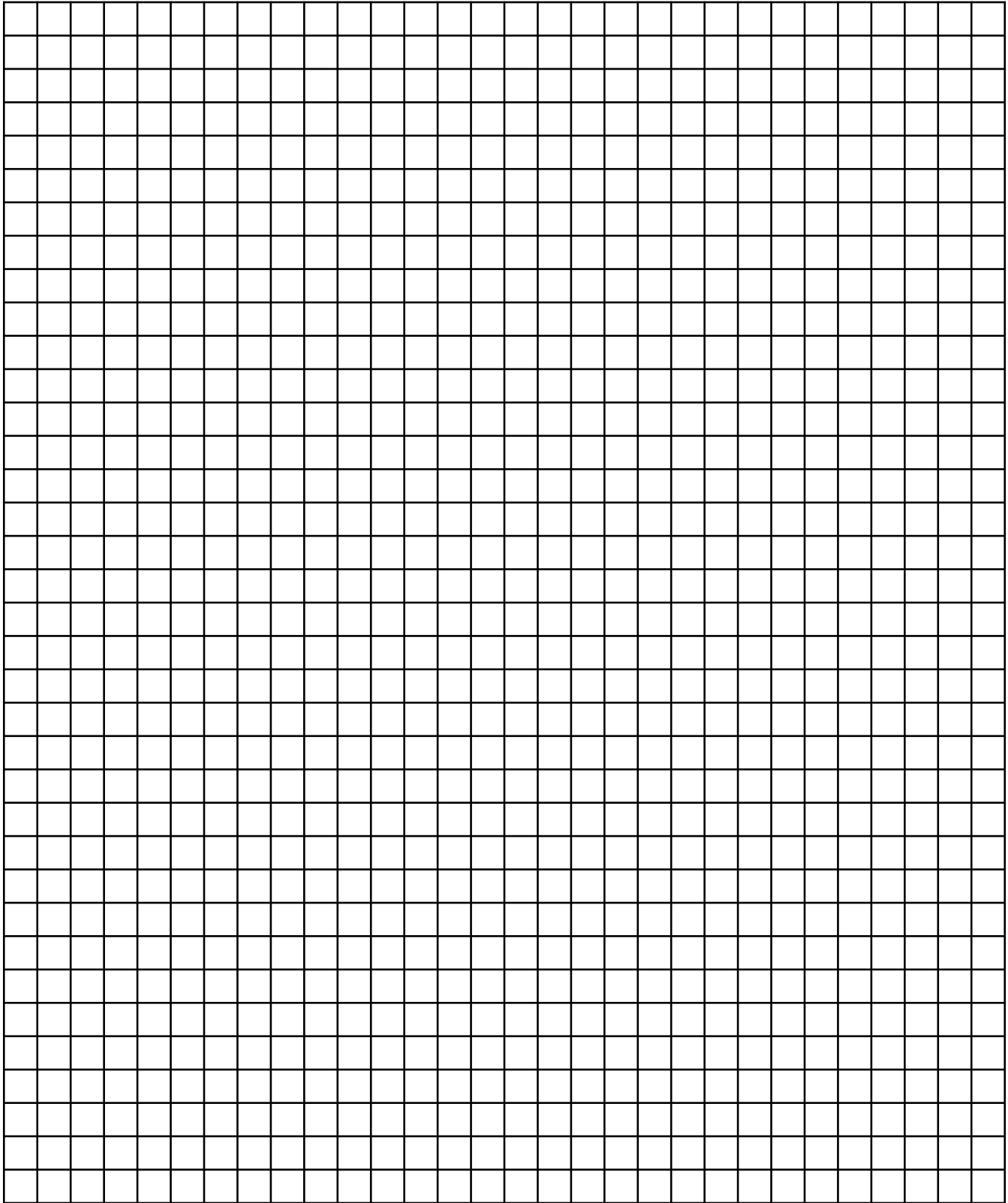
**GROUND Based Operation**

Flat	Low	Steep	High-Angle
N/A	Other:		

**Packaging Device**

Long Spine Board	C-Collar	Head Immobilizer
Scoop Board	FAST Board	Yates Spec Pak
Stokes Litter	Reeve Sleeve	SKED
N/A	Other:	

Diagram ( see attached)



## STANDARDIZED OPERATING RESCUE PROCEDURES

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### Incident Occurs

- ★ Awareness level personnel who witness or discover an incident initiate an emergency response sequence by notifying the proper authorities.
  - ★ Attendant will summon rescue and other emergency services as soon as the attendant determines that authorized entrants may need assistance to escape from permit space hazards.
  - ★ Initiate site rescue Emergency Response Plan.
  - ★ RIC/CI controls the incident until properly relieved.
  - ★ RIC/CI will perform personnel size-up through roll call of delegated roles and responsibilities of essential personnel.
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### ANALYZE

#### Scene Assessment

- ★ Rescue team will prioritize accountability and establish the communication plan via L-CAN report.
- ★ Rescue team conducts rapid hazard identification and risk assessment to verify location for initial guidance establishing "Initial Isolation Zone" and "Protective Action Zone" utilizing the LIP principle.
- ★ Establish communication with victim(s) as soon as possible.
- ★ Determine how long the victim(s) has been down, and establish the mechanism of the injury, and the survivability profile of the victim(s).
- ★ Determine the entry type of the confined space rescue and the required equipment and safety precautions: vertical rescue, horizontal rescue, suspended victim rescue, entrapped or engulfed victim rescue, rescue involving hazardous material.
- ★ Determine the response objectives based on circumstances of the emergency: victim rescue, victim recovery, remote extrication, or nonintervention.
- ★ Rescue team personnel will establish the alert code 1-5 to designate the emergency operation strategy as "Defensive", "Offensive", or "Non-Intervention".
- ★ All non-intrinsically safe mechanical equipment must be shut down and brought to a zero mechanical state prior to entry (excluding ventilation, localized exhaust, or Nitrogen where prescribed).
- ★ Structural stability of the confined space should be re-evaluated if appropriate measures must be taken to assure the structural stability of the space.
- ★ Determine the number and location of victim(s). - (Could initiate MCI)
- ★ Make quick visual assessment of victim(s), if possible. - (Could initiate Mass Decon)
- ★ Barricade scene immediately to prevent others from entry or contaminating evidence.

\*\*\* Note: RIC/CI has the authority to change strategies based on hazards and available resources.

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## STANDARDIZED OPERATING RESCUE PROCEDURES

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### PLAN / IMPLEMENT / EVALUATE

#### Self-Rescue Operations

- ★ Entrant should recognize signs & symptoms of physical exhaustion, heat, or cold stress, or over exposure to any chemical within the space.
- ★ Entrant should notify the safety attendant that something is wrong and that they need to exit the space immediately.
- ★ Safety attendant should remove any obstructions from the space to allow entrant to safely exit. (Including monitoring equipment)
- ★ If entrant is not feeling well or is suffering from any signs or symptoms of physical exhaustion or injury, heat, or cold stress, or over exposure to any chemical within the space, entrant should quickly vacate the space before becoming incapacitated.
- ★ If Self-Rescue is unsuccessful or deemed unsafe, begin external rescue operations

\*\*\* *Note: Safety attendant should always notify the rescue team to continue with victim assessment, even if self-rescue is successful.*

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#### External Rescue Operations

- ★ To minimize risk, if other entrant(s) not affected by the emergency are in the confined space, they shall exit first.
  - ★ The victim's pathway should be cleared as entrants exit. Exiting entrants should stage **victim in line or within the fall line** prior to egress as appropriate.
  - ★ Entrant(s) shall wear full body harness connected to retrieval system the entire time they are within the space. This system should be in place prior to entry in such a manner that retrieval of rescue entrants can begin immediately. Retrieval systems can be used as fall arresting devices for rescue personnel.
  - ★ RIC/CI or HASS shall ensure that least one rescuer is appropriately dressed and ready for entry if external rescue operations fail.
  - ★ If external rescue is unsuccessful, begin Internal rescue operations.
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#### Self-Rescue Operations

- ★ Operational safeguards and rules of engagement have been met and **pre-flight** checklist conducted
- ★ Air monitoring shall be conducted prior to rescue entry, this will determine the need for breathing apparatus and/or dermal protection for rescuer
- ★ Pre-assigned personnel will then make entry - TED or higher.
- ★ RIC/CI or HASS shall ensure that least one rescuer is appropriately dressed and ready as a backup.
- ★ It is recommended that entry personnel should use personal air monitoring devices when available.
- ★ If possible, the entry team should bring a supply of breathable air for the victim(s)
- ★ Declare safe entry conditions have been met.
- ★ Make entry to conduct recon, rescue, or recovery as appropriate.

\*\*\* *Note: TED will always remain connected to an external rope while internal operations are being conducted.*

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## STANDARDIZED OPERATING RESCUE PROCEDURES

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### Internal Victim Assessment and Packing

- ★ Upon reaching the victim, entry personnel shall conduct a primary victim assessment.
- ★ Use VAI Medical plan and use proper BSI and universal precautions while conducting victim aid.
- ★ Upon completion of primary victim assessment, update condition to rescue team, verify medical aid response is appropriate.
- ★ If required, appropriate life-saving interventions should be started immediately.
- ★ A quick but thorough secondary assessment of the victim shall be conducted. If conditions permit, entry personnel should attempt to treat serious injuries prior to removal
- ★ If indicated, C-Spine precautions should be administered.
- ★ In the event of C-spine trauma, the victim will be packaged in the EXTRACTION – PACKAGING DEVICE due to the diameter of manways, internal configuration, equipment availability, and/or any other limitation.
- ★ If the victim is conscious, and has no signs of trauma, C-spine precautions will be disregarded.

\*\*\* Note: Because of the difficulty removing the victim from the space, optimum C-spine precautions may not be possible.

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### Victim Removal (Extraction or Extrication)

- ★ To minimize risk, TED will negotiate the victim's pathway through internal configuration. They will stage victim in line or within the fall line prior to rescuer egress.
  - ★ Placement, construction, and operations of rope rescue systems for extraction will be dictated by the rescue team.
  - ★ Prior to removal of the victim, rescue team members will have completed all rescue system rigging required to move victim to safety and conduct pre-flight checklist.
  - ★ Non-trauma victims will be removed from the space utilizing a rope rescue system which is connected to the rear D-ring of the victim's safety harness.
  - ★ For trauma victims or in the unlikely event that the victim is not wearing a harness, the entry team will package the victim in an emergency appropriate EXTRACTION – HARNESS. The loops that are created will be the improvised harness connection point.
  - ★ Trauma and non-trauma victims will be extracted utilizing redundant lines, a(n) EXTRACTION – MAIN anchored to EXTRACTION – MAIN ANCHORAGE SYSTEM and a(n) EXTRACTION – BELAY anchored to EXTRACTION – BELAY ANCHORAGE SYSTEM. To haul the victim from the space, A a(n) EXTRACTION – MAIN HAUL SYSTEM and or a(n) EXTRACTION – BELAY HAUL SYSTEM will be constructed for mechanical advantage. A(n) EXTRACTION – MAIN LOWER DEVICE for the main line and or a(n) EXTRACTION – BELAY LOWER DEVICE for the belay line will be used for descent control.
  - ★ In the event, a system operation needs to be converted and the set up does not support hauling and lowering efficiently, a(n) EXTRACTION – SYSTEM CONVERSION will be utilized.
  - ★ To navigate horizontal movement during extraction, a(n) EXTRACTION – TRANSFER TECHNIQUE will be utilized
  - ★ Both trauma and non-trauma victims will be placed outside of the hazard space upwind or crosswind.
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# STANDARDIZED OPERATING RESCUE PROCEDURES

## Lowering

- ★ Placement, construction, and operations of lowering rope rescue systems will be dictated by the rescue team.
- ★ Prior to lowering of the victim, rescue team members will have completed all rescue system rigging required to move victim and conduct pre-flight checklist.
- ★ For aerial based operations, trauma and non-trauma victims will be lowered utilizing redundant lines a(n) LOWER – MAIN anchored to LOWER – MAIN ANCHORAGE SYSTEM and a(n) LOWER – BELAY anchored to LOWER – BELAY ANCHORAGE SYSTEM. To haul the victim from the space, A a(n) LOWER – MAIN HAUL SYSTEM and or a(n) LOWER – BELAY HAUL SYSTEM will be constructed for mechanical advantage. A(n) LOWER – MAIN LOWER DEVICE for the main line and or a(n) LOWER – BELAY LOWER DEVICE for the belay line will be used for descent control.
- ★ The rope rescue system lines will be configured into a(n) MASTERPOINT OR YOKE and will be connected at the BRIDLE CONFIGURATION. of the LOWER – PACKAGING DEVICE.
- ★ In the event, a system operation needs to be converted and the set up does not support hauling and lowering efficiently, a(n) LOWER – SYSTEM CONVERSION will be utilized.
- ★ To stabilize a suspended load that might otherwise rotate or swing in an uncontrolled fashion during the lower, a(n) LOWER – TAG LINE will be connected.
- ★ To navigate horizontal movement during the lower, a(n) LOWER – TRANSFER TECHNIQUE will be utilized.
- ★ Upon removal, victim decontamination will be conducted if required.
- ★ Rescue personnel shall transfer the victim to local EMS for transport.

## TERMINATE

### Termination

- ★ Personnel accountability
- ★ In the event of a rescue, all affected personnel are required to participate following the termination of emergency operations for a quick post-incident debriefing.
- ★ Conduct a debriefing, critique, and post incident analysis.
- ★ Remove tools and equipment used for the rescue/recovery. If there has been a fatality, consider leaving the tools and equipment in place for investigative purposes.
- ★ Secure the scene. Prior to turning the property back over to the responsible party, one final reading of atmospheres shall be taken and recorded.
- ★ Transfer custody of the incident to AHJ

\*\*\* Note: Because of the difficulty removing the victim from the space, optimum C-spine precautions may not be possible.

### Demobilization

- ★ Conduct Post-Incident Inspection of resources utilized during operations.
- ★ For non-fatality incidents, if entry personnel or equipment have been contaminated during, proper decontamination procedures must be conducted prior to returning equipment back in service.
- ★ Return to normal operations.

Comments:

Date: / /

\*\*\* Rescue Plan Subject to Change \*\*\*

Rescue Supervisor RIC/CI:

HASS:

Team Member:

Team Member:

Team Member:

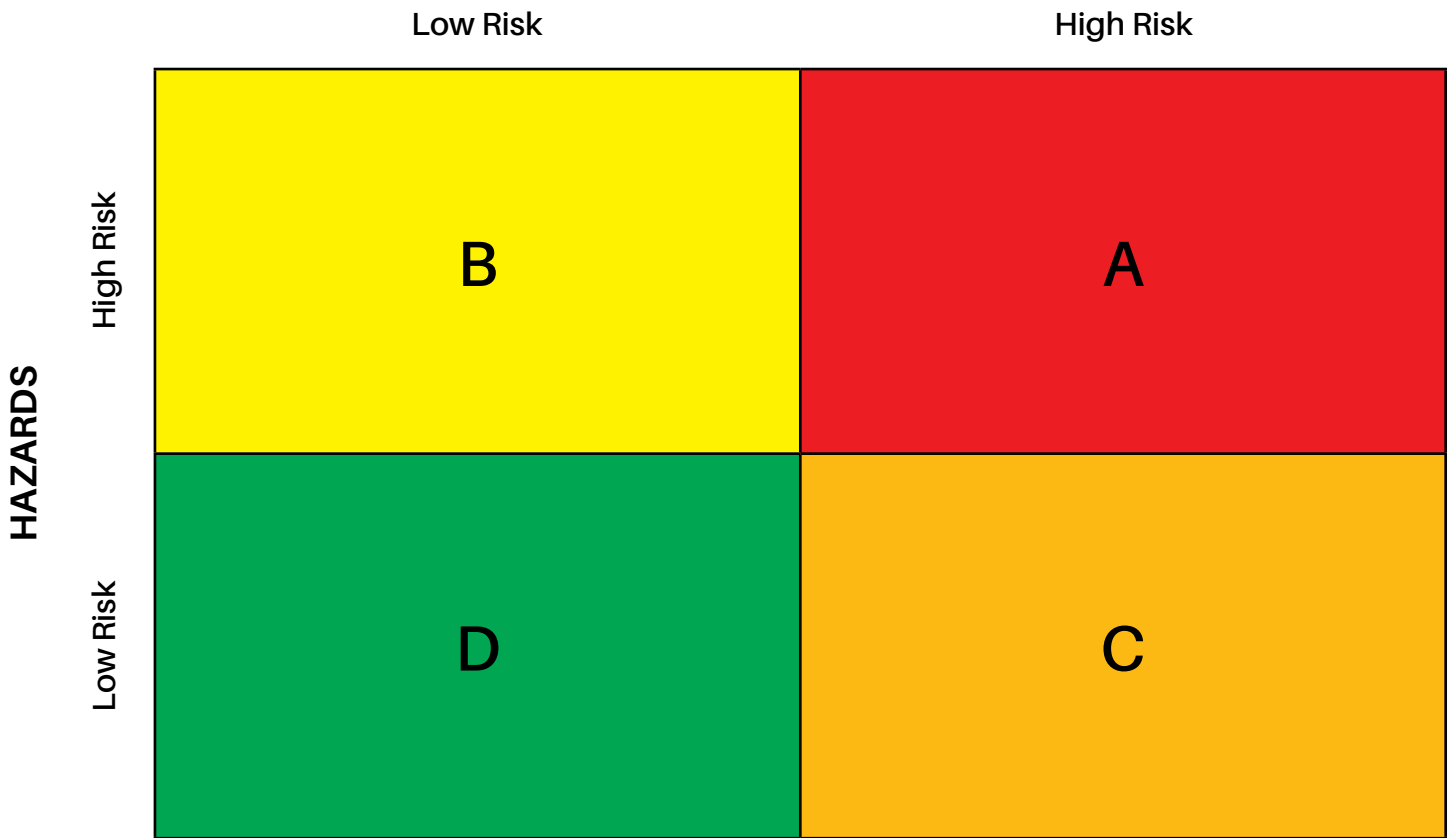
Team Member:

## CONFINED SPACE CLASSIFICATION SYSTEM

Class	Characteristics	Criteria	Hazard Risk	Team Skill Capability
A	IDLH, rescue procedures require the entry of more than one individual fully equipped with life support equipment, maintenance of communication requires additional standby personnel and potentially other support personnel.	★ Permit required space	Immediate = High & Secondary = High	Technician
		★ The entrant is exposed to atmospheric or engulfment hazards		
		★ Configuration of accessibility is complex and difficult to maneuver without high risk of entanglement		
		★ Potential hazardous material		
		★ Rescuers must enter		
B	Dangerous but not IDLH, rescue procedures require the entry of no more than one individual fully equipped with life support equipment, indirect visual or auditory communication with victims.	★ Permit required space	Immediate = High & Secondary = Low	Technician & Operations Mission Specific
		★ The entrant is exposed to atmospheric or engulfment hazards		
		★ Rescue personnel can conduct the rescue without entering the space or utilizing minimal personnel for mission specific tasks under the supervision of a Technician		
		★ The victim is in immediate peril, is unable to self-rescue		
		★ Is within the fall line or horizontally inline, can be physically removed using mechanical retrieval devices		
C	Potential hazard, requires no modification of work procedures, standard rescue procedures, direct communication with victims from outside the confined space	★ May be a permit-required space or a non-permit required space	Immediate = Low & Secondary = High	Technician & Operation - Mission Specific
		★ Low risk of exposure to atmospheric or engulfment hazards that would be an immediate threat to health or life		
		★ The victim is not in immediate peril from conditions in the space; however, is unable to self-rescue and must be physically removed without using mechanical extrication or retrieval devices		
		★ Configuration of accessibility is complex and difficult to maneuver without high risk of entanglement		
		★ The entrant is exposed to the possibility of additional injury without proper packaging or treatment		
D	Entrant is visible, portal opening is unrestricted, internal space is not congested and configuration is unobstructed. All hazards in and around the hazard space have been identified and can be mitigated by using respiratory protection. No risk of engulfment.	★ May be a permit-required space or a non-permit required space	Immediate = Low & Secondary = Low	Operation
		★ Entrant may require protection other than that associated with a confined space, such as fall protection, hearing protection, or other personal protective equipment		
		★ No exposure to atmospheric or engulfment hazards that would be an immediate threat to health or life		
		★ The rescue personnel can conduct the rescue without entering		

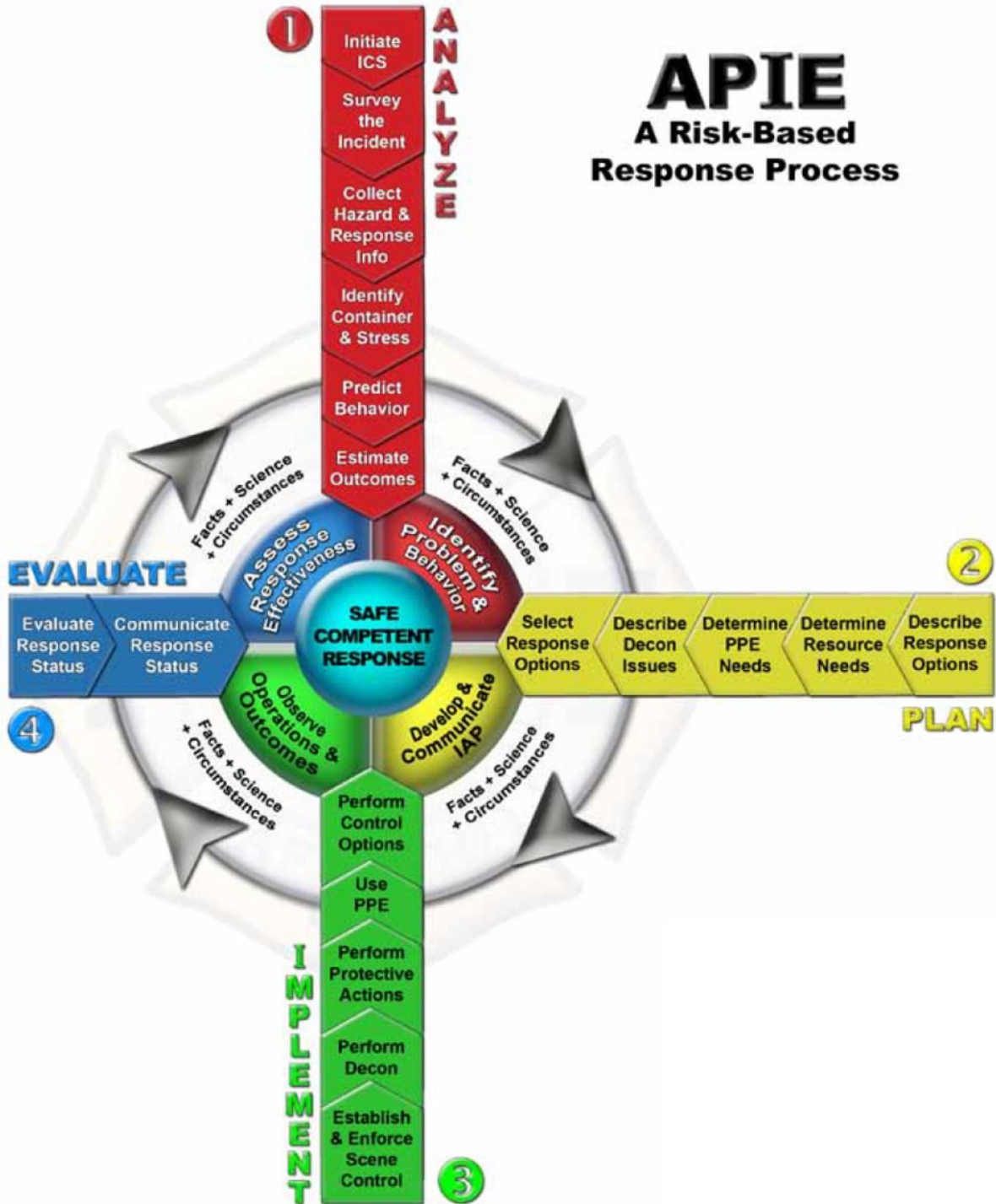
## CONFINED SPACE CLASSIFICATION SYSTEM

### IMMEDIATE HAZARDS



# APIE

## A Risk-Based Response Process



## RISK-BASED RESPONSE ACTIONS

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### Analyze the Problem

*GOAL = Identify the Problem and Likely Behavior*

- Initiate ICS
  - Survey the incident
  - Collect hazard and response information
  - Identify container type and stress
  - Predict behavior
  - Estimate outcomes
- 

### Plan the Response

*GOAL = Develop and Communicate the IAP*

- Describe response objectives
  - Determine PPE needs
  - Describe decon issues
  - Select response options
- 

### Implement the Plan

*GOAL = Observe Operations and Outcomes*

- Establish and enforce scene control
    - Secure area
    - Control crowd
    - Control traffic
    - Determine zones
      - Hot
      - Warm
      - Cold
  - Set up/perform decon
  - Perform protective actions
    - Rescue/recovery
    - Evacuation
    - Shelter-in-place
    - Patient transport
  - Use PPE
  - Perform control options
- 

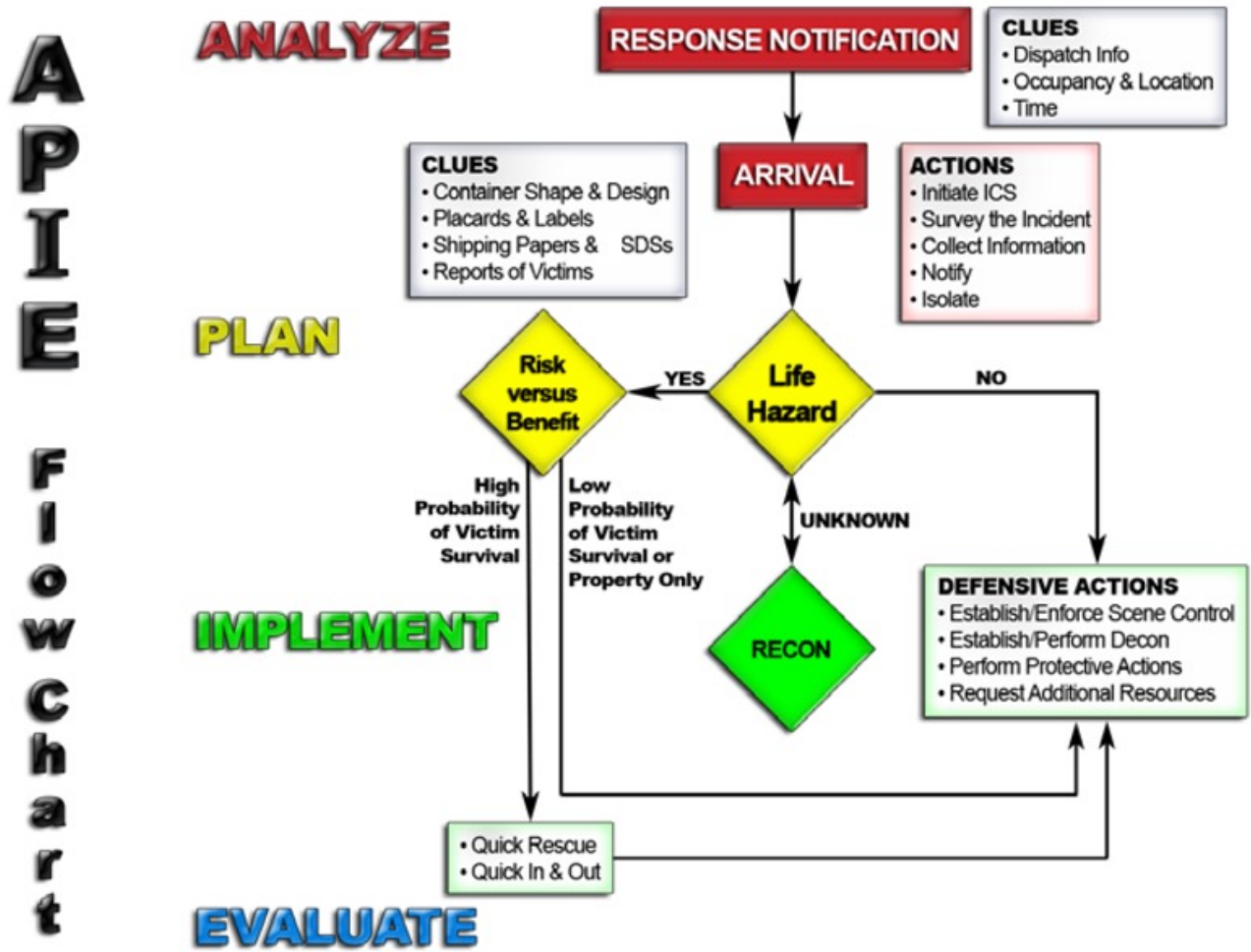
### Evaluate the Progress

*GOAL = Assess Response Effectiveness*

- Evaluate response status
- Communicate response status



Flow Chart for APIE: A Risk-Based Response Process





## INCIDENT ACTION PLAN CHECKLIST

### Step 1 ICS Establish command

Command established and identified	Yes	No
Command is:		
Command has been transferred to:		

### Step 2 ANALYZE Identify the type of rescue problem

Container stress or release / excavation or trench collapse	Yes	No
Hazardous materials incident with rescue	Yes	No
Confined space rescue	Yes	No
Rope rescue	Yes	No
Other non-fire rescue	Yes	No

### Step 3 ANALYZE Perform hazard and risk assessment

Date:	Effective Time:	AM	PM	Expiration Time:	AM	PM
Job site/space ID correct				N/A	Yes	No
Job supervisor identified and present				N/A	Yes	No
Work being performed:						
All on site personnel accounted for (include victims)					Yes	No
Number of victims:				Number of onsite personnel:		
Location of victims:						
Required SDSs at site and available:					Yes	No

Date: / /

NORM / Radiation:	mRem		Time:	AM	PM
Toxic Atmosphere:	Yes	No	Oxygen:	LEL:	%
Corrosivity:	pH		H2S:	VOC:	ppm
CO:	ppm		Other:	ppm	
Benzene:	ppm		Instruments Used:		
Calibration Date:	/	/	Serial Number:		
Expiration Date:	/	/	Personnel Conducting Atmospheric Monitoring:		

## INCIDENT ACTION PLAN CHECKLIST

### Step 3 (continued)

	OXYGEN	FLAMMABILITY	TOXICITY	CONFIGURATION
CLASS A	<19.5% OR > 23.5%	> 10% of LEL	>IDLH or Ceiling	Complex internal
CLASS B	>-0.1% of 20.9%	<10% of LEL	>TLV / REL / PEL	Fall line or inline
CLASS C	>-0.1% of 20.9%	<10% of LEL	< TLV / REL / PEL	Complex internal
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CLASS D	+0.1% of 20.9%	0 LEL	No exposure	Fall line or inline

### Step 4 ANALYZE Identify Response Objectives

Use communication plan to determine response objectives	Yes	No
Non-intervention, protective actions (alert 5):		
Order an Evacuation	Yes	No
Order a Shelter in Place	Yes	No
Defensive, protective actions (alert 3):		
Establish DECON for potential contamination	Yes	No
Establish triage for potential MCI	Yes	No
Establish and enforce scene control (secure area, control crowd / traffic, determine zones)	Yes	No
Can you identify offensive operations (alert 3):		
Rescue tactics in the hot zone (recon, rapid extraction, VAI & rescue, MCI triage)	Yes	No

### Step 5 ANALYZE Identify Resource Needs to Support Rescue Objectives

Additional monitoring equipment	N/A	Yes	No
Safety harnesses and lifeline for entry and standby personnel	N/A	Yes	No
Hoisting equipment	N/A	Yes	No
Communication equipment	N/A	Yes	No
SCBAs or SARs for entry and standby personnel	N/A	Yes	No
CPC and or other PPE	N/A	Yes	No
All electric equipment is intrinsically safe and tools are non-sparking	N/A	Yes	No

## INCIDENT ACTION PLAN CHECKLIST

### Step 6 PLAN Develop an Action Plan

Any viable victims? Yes No

If yes, determine tactical objectives for victim rescue:

Aerial Based Ops	Ground Based Ops	Recon	Rapid Extraction	VAI & Rescue	Decon	MCI Triage
Designate essential personnel for task objectives:						Yes No
Safety supervisor & rescue attendant						Yes No
Entry & backup personnel						Yes No
Other support personnel						Yes No
Request additional resources						Yes No

Additional resources:

If no, determine tactical objectives for victim recovery (alert 4):

Tactical objectives:

Determine IAP strategy based on available personnel and equipment: Non-Intervention Defensive Offensive

### Step 7 IMPLEMENT Implement the Action Plan

The following have been reviewed and is acceptable for rescue to begin Yes No

Control zones secured (initial isolation & PAD --> HZ / WZ / CZ)	Yes No
Line(s) broken-capped-blanked	Yes No
Lockout/de-energize/tagout	Yes No
Ventilation started	Yes No
Hazard monitoring started	Yes No
Rescuer medical monitoring prior to HZ entry (hazmat)	Yes No
CRZ / Decontamination measures established	Yes No
Rescue personnel don PPE appropriate for task(s)	Yes No
Other resources in place for safe work practices	Yes No
Emergency procedures and rescuer safe refuge area	Yes No
Entry rescuers are attached to lifelines	Yes No
Victim packaging staged upwind and uphill	Yes No
Rope rescue system preflight checklist conducted	Yes No
Pre entry briefing for HAZ-COMM	Yes No

## INCIDENT ACTION PLAN CHECKLIST

Step 7 (continued)		Respiratory Equipment Time Log					
Name		Name		Name		Name	
SCBA	SAR	SCBA	SAR	SCBA	SAR	SCBA	SAR
Pressure		Pressure		Pressure		Pressure	
On air time		On air time		On air time		On air time	
Air duration		Air duration		Air duration		Air duration	
Recall time		Recall time		Recall time		Recall time	
Off air time		Off air time		Off air time		Off air time	

Step 8 EVALUATE	Evaluate the effectiveness of the action plan
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Changes to plan:

Plan is proceeding as expected	N/A	Yes	No
Plan is not proceeding as expected	N/A	Yes	No
Minor changes needed	N/A	Yes	No
Major changes needed	N/A	Yes	No
Does the operation need to be stopped to make changes	N/A	Yes	No
Victim condition and information recorded for transfer of care		Yes	No

Step 9 TERMINATION	Terminate the incident
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Debrief notes:

All personnel accounted for:	N/A	Yes	No
All equipment has been retrieved, recovered and maintained	N/A	Yes	No
Was a debriefing held	N/A	Yes	No
Evaluate operations and their effectiveness	N/A	Yes	No
Incident reports prepared	N/A	Yes	No
Are corrective actions needed	N/A	Yes	No