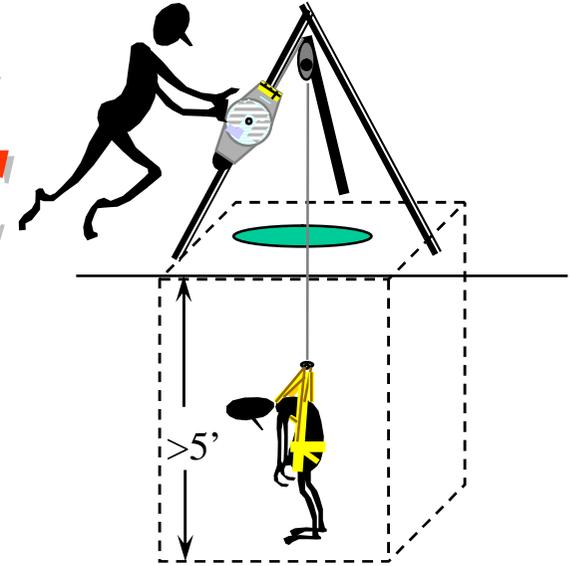


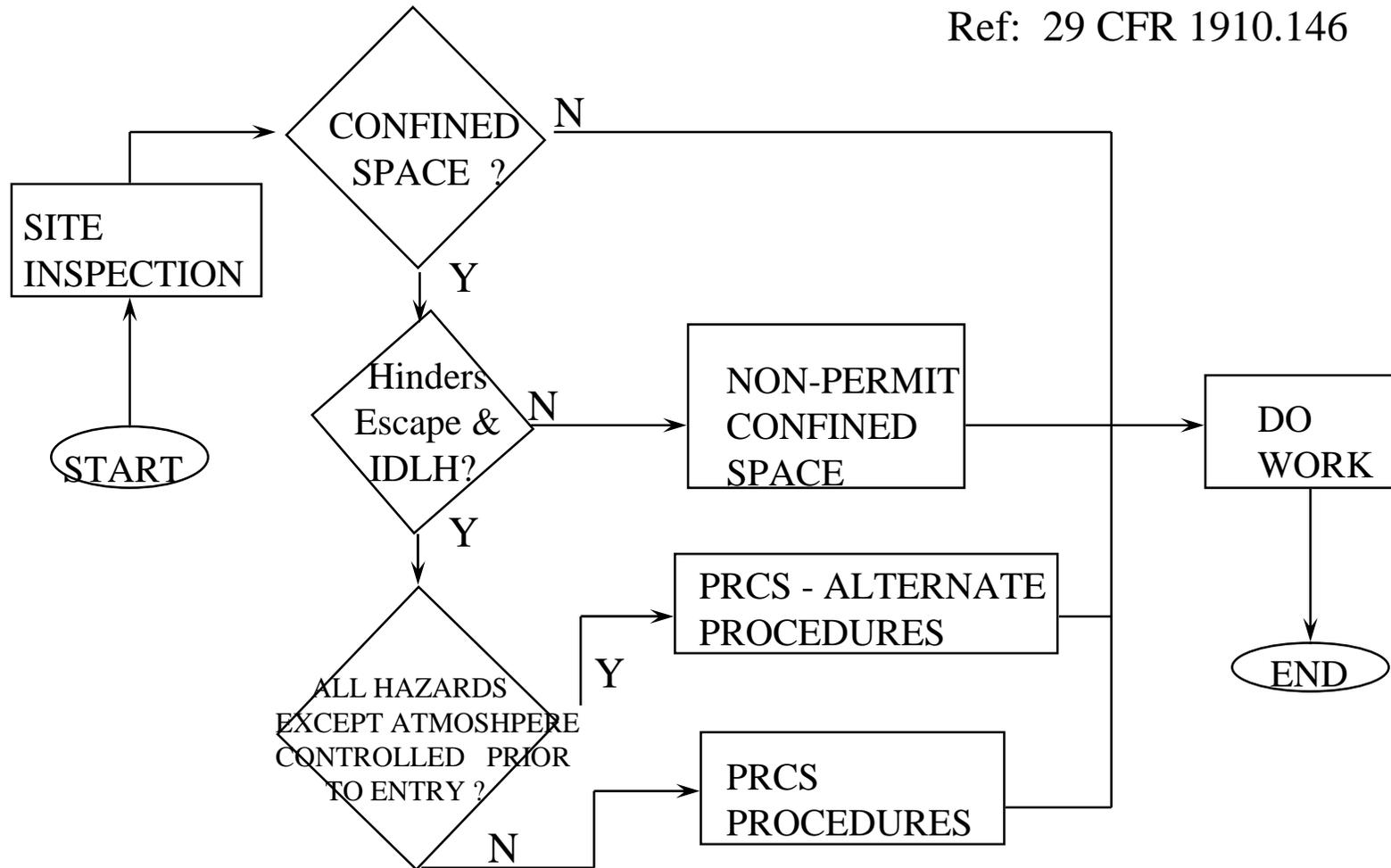
How to Determine which **CONFINED SPACE**

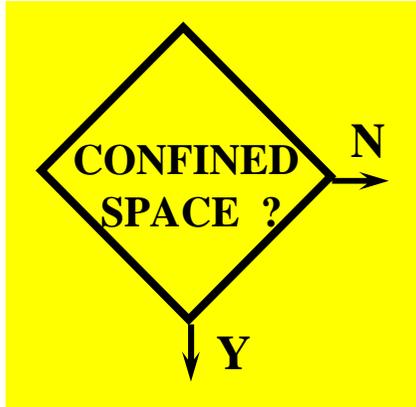
Procedures to Use



CONFINED SPACE PROCESS - FLOWCHART

Ref: 29 CFR 1910.146

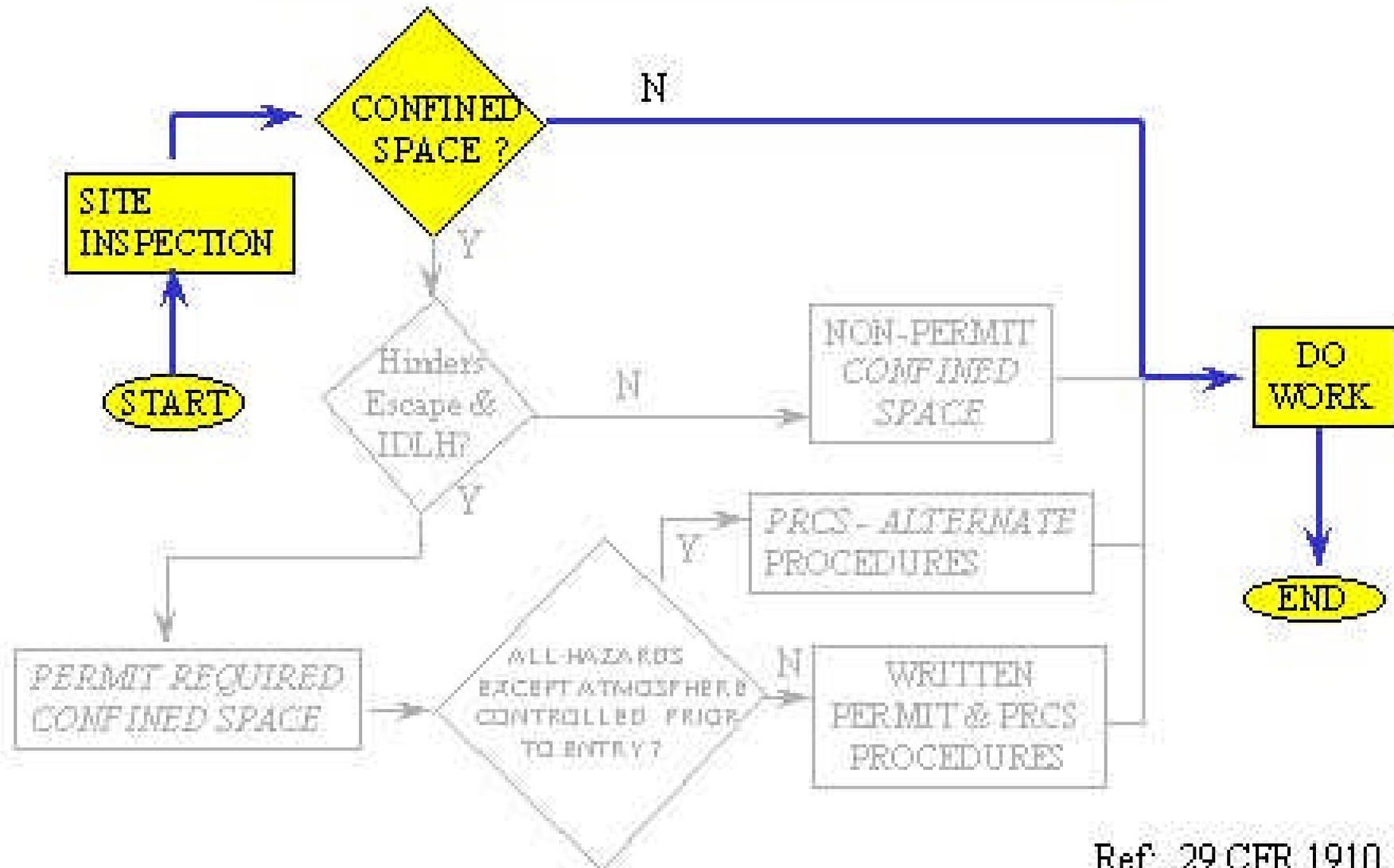


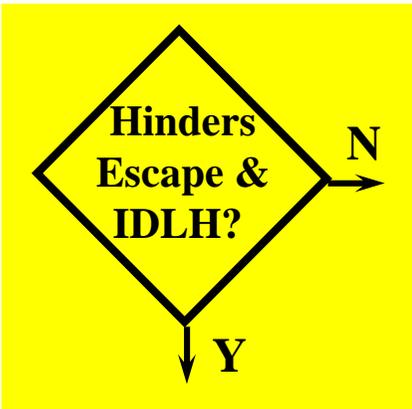


CONFINED SPACE DEFINITION

- Space Large Enough to Bodily Enter
- Restricted Entry / Exit
 - Obstructions
 - Entrant Crouches / Crawls
- Not for Continuous Occupancy

CONFINED SPACE PROCESS (NOT A CONFINED SPACE)

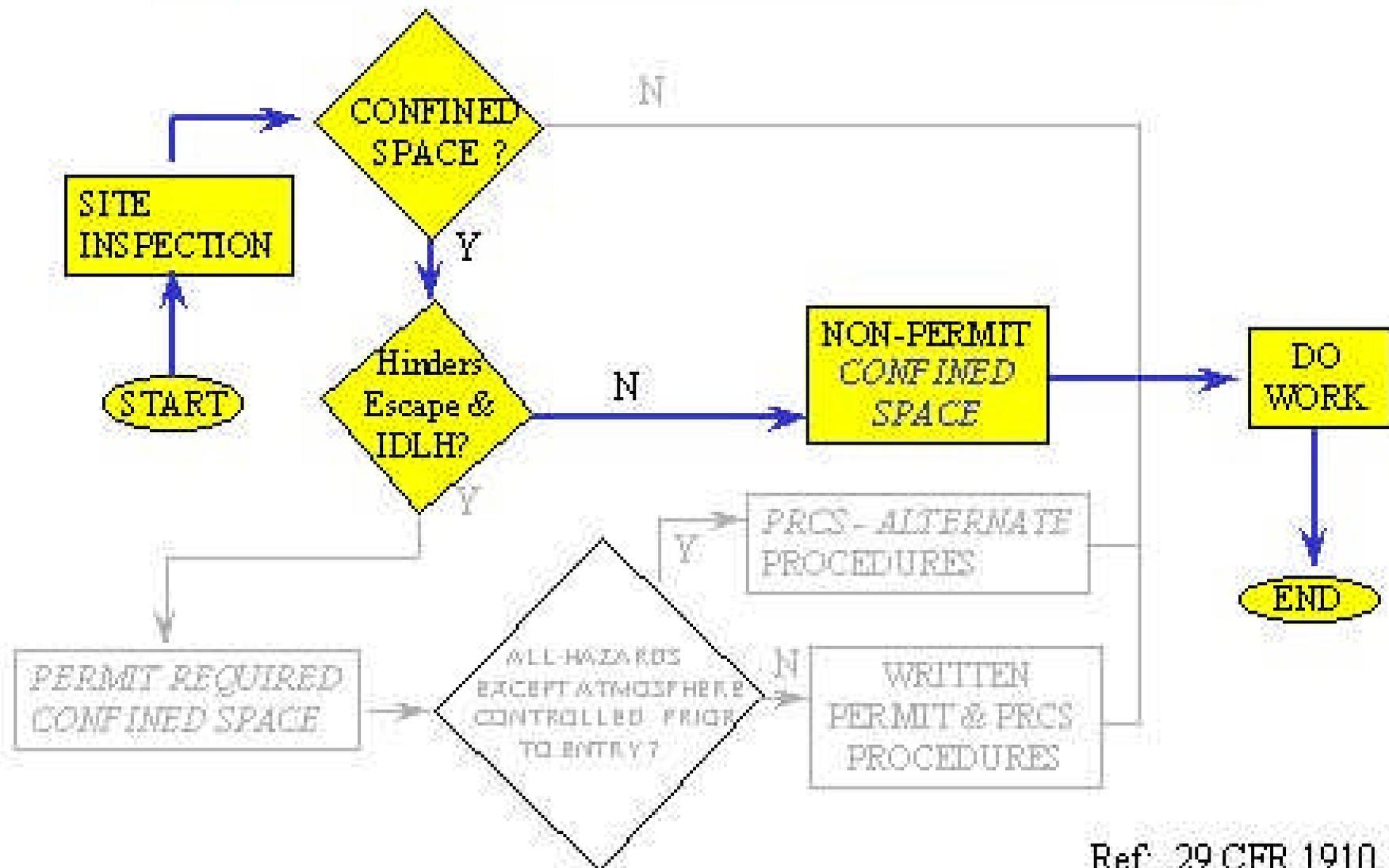




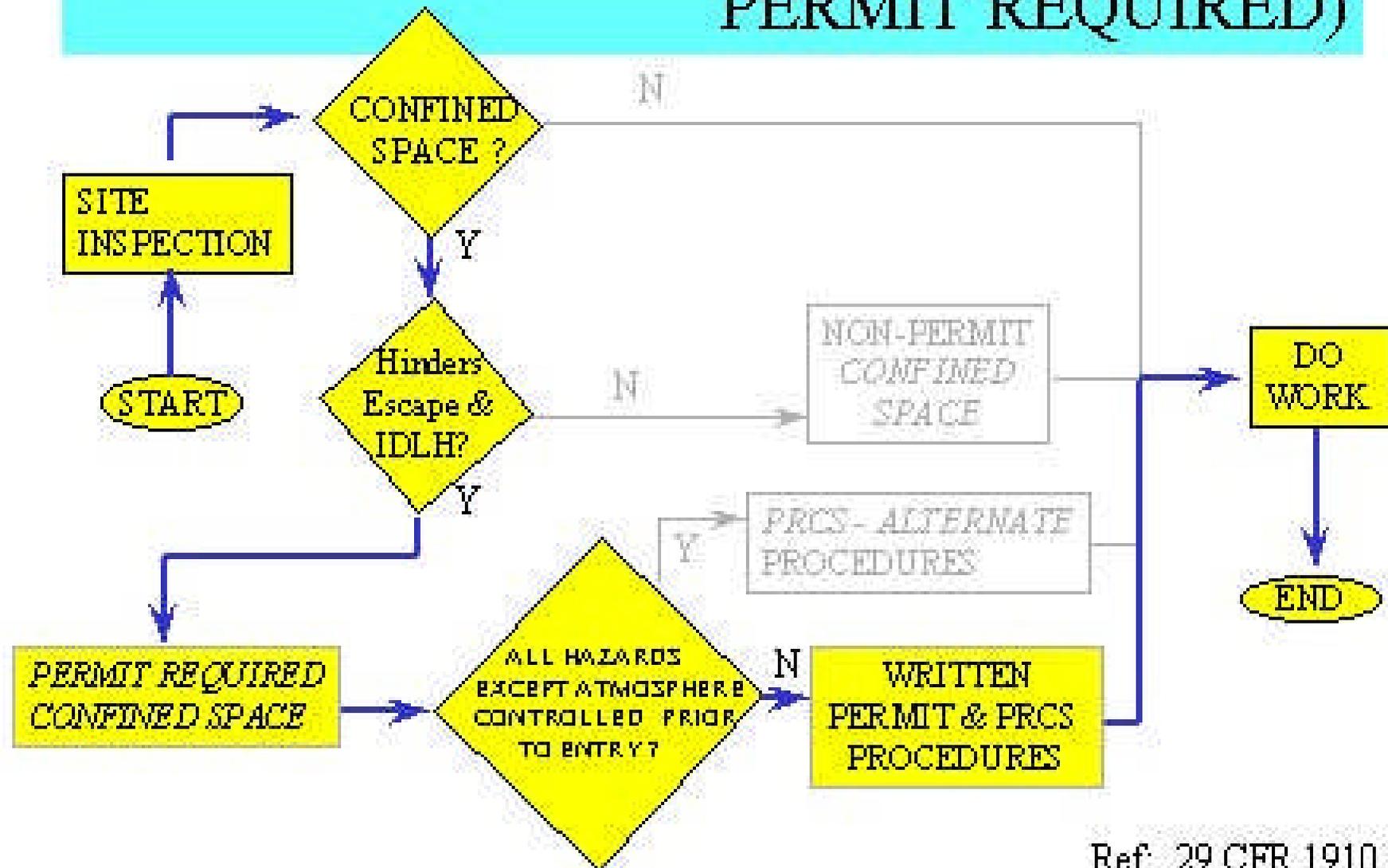
Does the CONFINED SPACE REQUIRE a PERMIT?

- A Permit is Required when the Entrant's Ability to Escape or Be Rescued from a Confined Space Is:
 - Hindered
 - Incapacitated or Disabled by an *Actual or Potential* IDLH (IMMEDIATELY DANGEROUS TO LIFE OR HEALTH) Condition
 - Hazardous Atmosphere
 - Engulfment
 - Serious Safety or Health Hazard
 - Entrapment
- Supervisor Completes Permit and Briefs Work Team

CONFINED SPACE PROCESS (CONFINED SPACE - NO PERMIT)



CONFINED SPACE PROCESS (PERMIT REQUIRED CONFINED SPACE - PERMIT REQUIRED)





SC Budget and Control Board

CONFINED SPACE ENTRY PERMIT

THIS PERMIT IS TO BE KEPT AT THE JOB SITE
UNTIL THE JOB IS COMPLETED
COPY to Entry Supervisor

COPY at Job Site (To be Returned to Safety Support Following Job Completion)

DURATION: This permit is valid only for the following time frame:

ISSUE DATE: _____ TIME: _____
EXPIRES ON - DATE: _____ TIME: _____

SITE LOCATION: _____
(Building Name/Number, Street Address, Room Number, etc.)

PURPOSE OF ENTRY: _____
(Equipment to be Worked On and Type of Work)

1. **INITIAL ATMOSPHERIC CHECK:** Instrument Used - TMX410 ___ Other ___
CO ___ ppm H2S ___ ppm
O2 ___% LFL ___%
Acceptable Levels for Entry:
19.5% < O2 < 23.5% CO < 50 ppm
LFL < 10 % H2S < 10 ppm

Tester's Signature _____ Date/Time _____

HAZARD ISOLATION, i.e., Lines Blinded, Disconnected or Blocked. The following measures are to be used to eliminate/control hazards in the confined space:

HAZARD CONTROL COMPLETE

3. **VENTILATION:**
Mechanical Yes ___ Purge Time _____ N/A ___
Natural Yes ___ N/A ___

(Cont.)

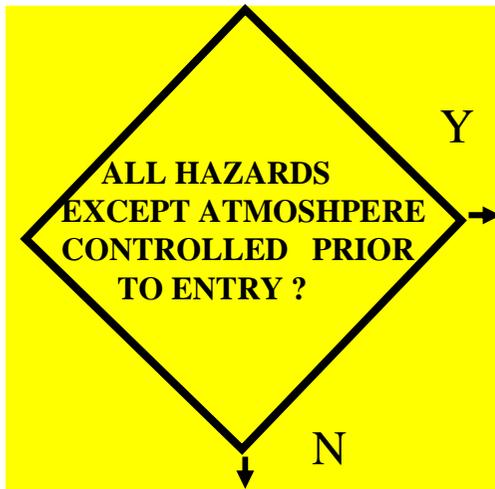
CONFINED SPACE ENTRY PERMIT

- Issue & Expiration Dates
- Site Location
- Purpose of Entry
- Hazards & Controls
- Atmospheric Checks
- Mechanical Ventilation
- Communications
- Rescue
- Team Members' Training
- Equipment & PPE
- Rescue Equipment

Entry Supervisor Signs & Monitors Entry Operation

Permit Ends:

- Expiration Time
- Condition Not Allowed
- Emergency



Can Alternate Permit Required Confined Space Procedures be Used?

- A Written Permit is Not Required when:
 - All Hazards inside the Permit Required Confined Space can be controlled from the outside
 - i.e., by means of Lockout-Tagout
 - Exception: Hazardous Atmosphere remains but is
 - Purged or
 - Controlled by Mechanically Supplied Local Air prior to and during Entry

CONFINED SPACE PROCEDURES CONTRASTED

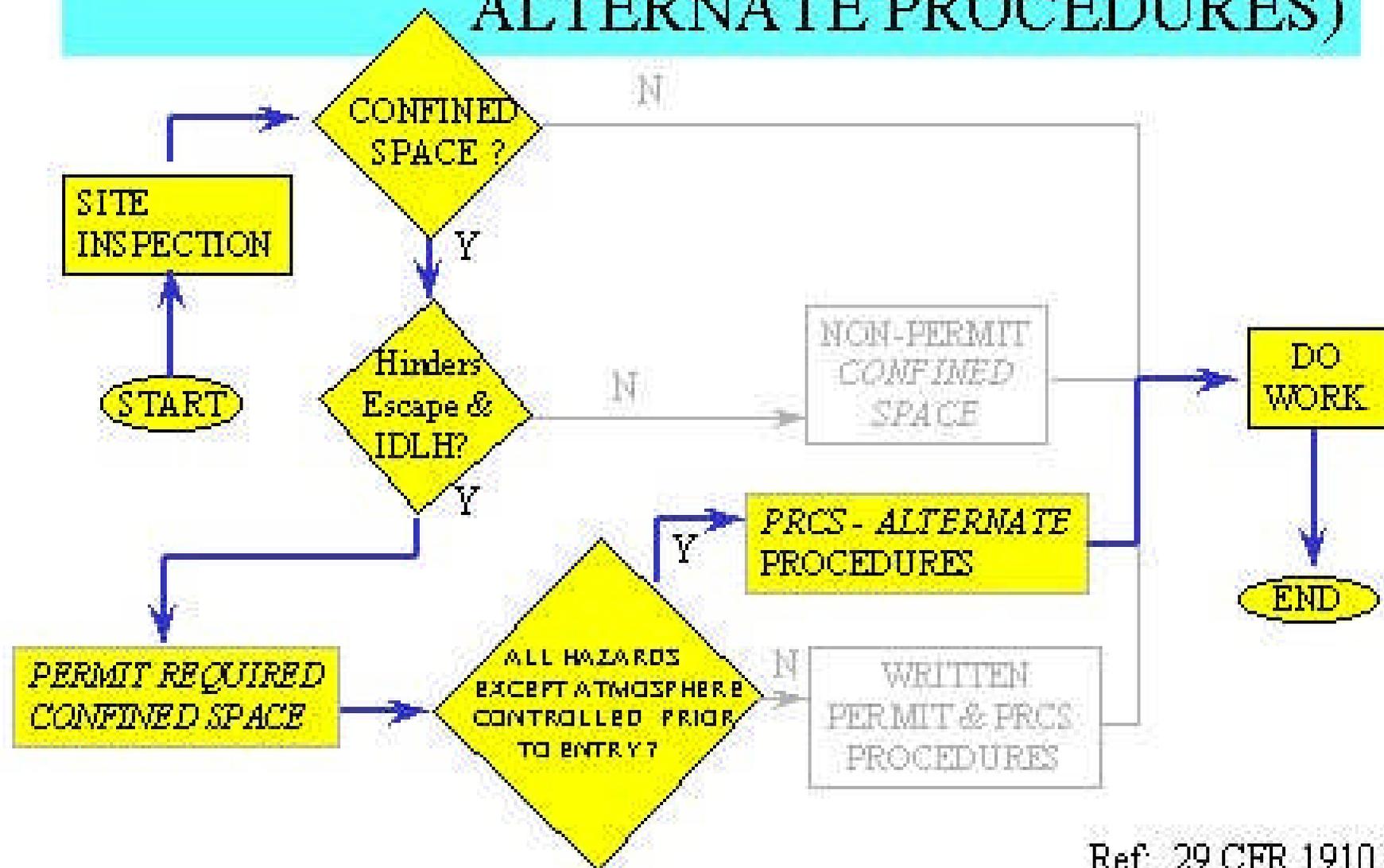
REQUIREMENT	PRCS	ALT
- HAZARD RECOGNITION	X	X
- EQUIPMENT	X	X
- MONITORING	X	X
- EVACUATION	X	X
- ATTENDANT	X	
- SUPERVISOR	X	
- PERMIT	X	*
- RESCUE EQUIP & TEAM	X	

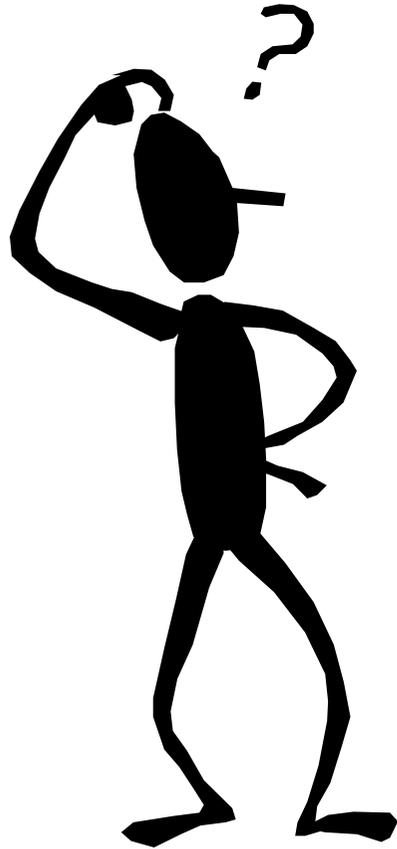
PRCS - Permit Required Confined Space procedures

ALT - Alternate PRCS procedures

* - Information Should Be
Available to Entrant

CONFINED SPACE PROCESS (PERMIT REQUIRED CONFINED SPACE - ALTERNATE PROCEDURES)





QUESTIONS

about Confined Spaces?

Call

BCB Safety

737-2315