



# work authorization oe standard

Chevron Technical Center, HSE  
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Version	Date	Approver
1.0	December 2021	HSE Functional Leadership Team

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# Introduction

Work Authorization facilitates the agreement and communication of the conditions for carrying out work safely between persons in operational control and person(s) performing work.

# Requirements

The following sections provide minimum requirements for Work Authorization as well as supporting guidance to clarify the intent of those requirements.

- Requirements **shall** be met.
- Guidance **may** be used as an aid to develop local documents that meet or exceed CoW requirements. If examples are provided within guidance sections, they are not meant to be an exhaustive list of acceptable means for meeting a requirement. BUs may develop or utilize other suitable methods not discussed in this document. Guidance is not auditable.

<p>1.</p> <p><b>Requirement:</b></p>          <p><b>Guidance:</b></p>	<p><b>Work Authorization is divided into two categories: Permit Required and Permit Not Required (PNR).</b></p> <p><b>Permit Required work includes, but is not limited to:</b></p> <ul style="list-style-type: none"><li>• <b>Tasks requiring a permit in accordance with the associated Control of Work Technical Standards.</b></li><li>• <b>Additional tasks that BU has designated as requiring a permit.</b></li></ul> <p><b>Work that does not meet the Permit Required requirements shall be authorized and controlled using the Permit Not Required (PNR) System.</b></p> <ul style="list-style-type: none"><li>• Refer to Appendix A for additional guidance on Permit Required versus Permit Not Required (PNR) tasks and how they are managed.</li><li>• If a CoW Technical standard allows for “equivalent documentation” in lieu of a permit, that equivalent documentation fulfills the requirements of a permit in this standard. If associated tasks require a permit and do not allow for “equivalent documentation” a Permit to Work is required for those tasks.</li><li>• The Work Authorization system can be documented by either a paper-based process or electronic tool.</li></ul>
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<p>Guidance:</p>	<ul style="list-style-type: none"> <li>• Consider and address Human and Organization Performance factors that could hinder the persons involved in the Work Authorization process from sufficiently identifying and addressing risk factors and their mitigative actions. . For example, hazards may be overlooked or improperly assessed if:             <ul style="list-style-type: none"> <li>○ Permit Approver and Permit Holder are members of the same work team or have been in the recent past.</li> </ul> </li> </ul>
<p>4.</p> <p><b>Requirement:</b></p> <p>Guidance:</p>	<p><b>Permits shall include the following information at a minimum:</b></p> <ul style="list-style-type: none"> <li>• <b>Defined work scope.</b></li> <li>• <b>Control of Work documentation required.</b></li> <li>• <b>Restrictions and controls required.</b></li> <li>• <b>Permit duration.</b></li> <li>• <b>Gas testing results, in accordance with Technical Standards.</b></li> <li>• <b>Work Authorization approvals.</b></li> </ul> <ul style="list-style-type: none"> <li>• Permits can be documented with a paper-based tool or electronic tool.</li> <li>• A defined work scope may include, but is not limited to:             <ul style="list-style-type: none"> <li>○ Short description of the work to be performed.</li> <li>○ Location/boundaries of where the work will be performed.</li> <li>○ Equipment to be worked on.</li> <li>○ Name of Company/Person(s) responsible for conducting the work.</li> <li>○ Emergency contact details</li> </ul> </li> </ul>
<p>5.</p> <p><b>Requirement:</b></p> <p><b>Guidance:</b></p>	<p><b>Approval of the work permit requires the Permit Approver and Permit Holder to assess the jobsite to verify approved boundaries and conditions are in place.</b></p> <ul style="list-style-type: none"> <li>• The assessment of the jobsite may be accomplished remotely in alignment with the BU remote permitting process.             <ul style="list-style-type: none"> <li>○ Remote technology (e.g., HoloLens, drones, electronic permitting tool) may be used to support the remote permitting process.</li> </ul> </li> </ul>

**6. Requirement:** Permits shall have a maximum initial duration of 12 hours.

Permits extending beyond 12 hours require revalidation.

**BUs shall develop a process for revalidating permits that includes at a minimum:**

- **Minimum required activities performed by permit approver and permit holder to revalidate a permit, including assessment of the jobsite to confirm that approved boundaries and conditions listed in the Control of Work documentation are in place and functioning, and to identify and mitigate any new hazards not previously addressed.**
- **The task does not resume until the Permit Approver and Permit Holder have revalidated the CoW Documentation.**
- **Communication between incoming and outgoing Permit Approvers and Permit Holders regarding the status of the work-in-progress.**
- **Identification of scenarios where the Permit Holder is allowed to revalidate a permit without the input and signature acknowledgement of a permit approver.**

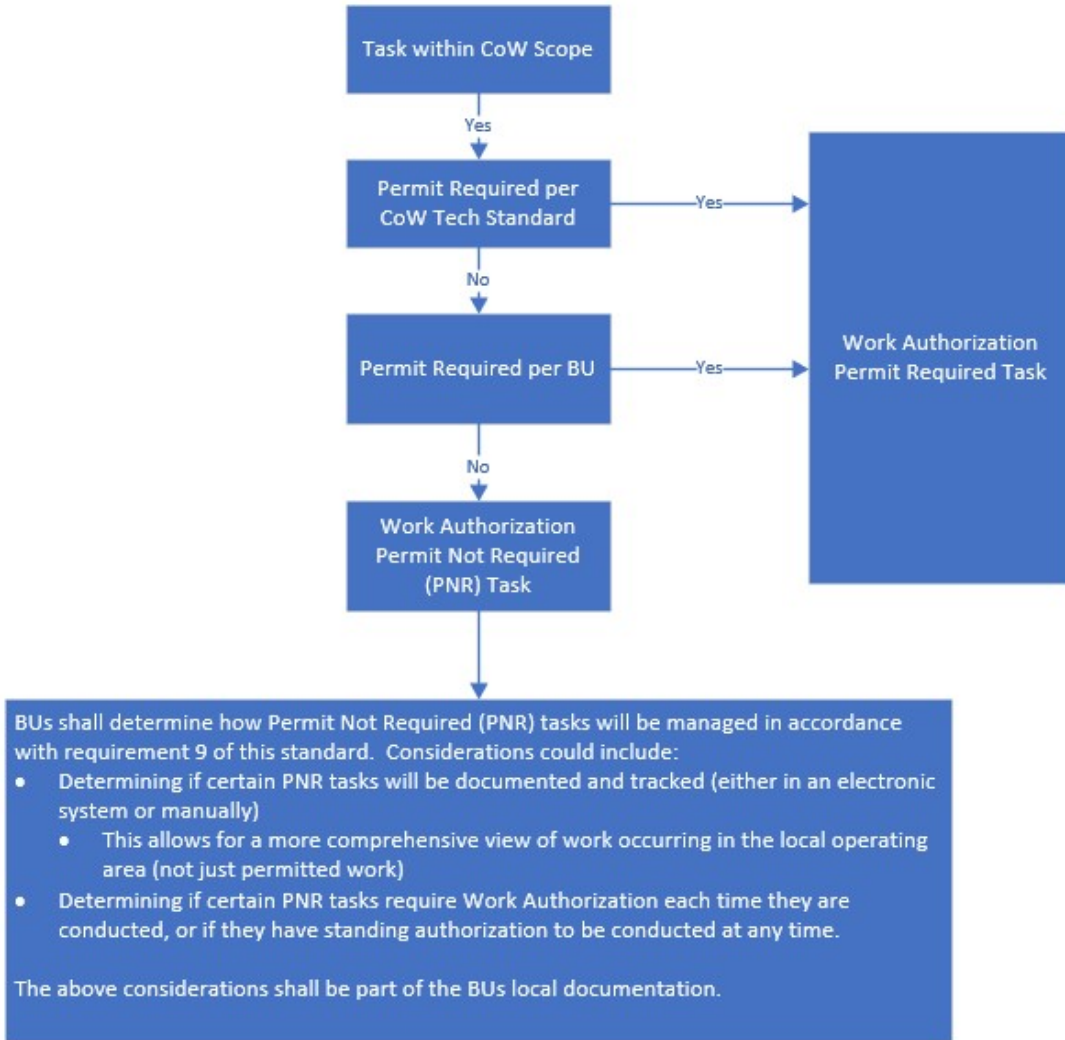
**Guidance:**

- Procedures may be developed for revalidating individual work permits.
  - For example, for work extending beyond one shift, the shift handover procedure may include communication mechanisms between incoming and outgoing shifts to ensure proper oversight and revalidation of work permits.
- Revalidation procedures may include assessment of SIMOPS before revalidating work permits.
- Assessment of the jobsite by the Permit Approver may be accomplished remotely in alignment with the BU remote permitting process.
  - The use of technology (e.g., HoloLens, drones, electronic permitting tool) may be considered to support the remote permitting process.



	<p>work.</p> <ul style="list-style-type: none"> <li>○ The condition of the work site at the time of work suspension may be described, and the consequences for any other activities may be specified.</li> <li>○ When work is suspended, the integrity of controls and security of any isolation may be considered, and the unit/process/facility/job site may be restricted from normal or other use.</li> </ul>
<p>8.</p>	<p><b>Requirement:</b> <b>Close out of Work Authorization requires at a minimum:</b></p> <ul style="list-style-type: none"> <li>● <b>Work has been verified as completed or appropriately suspended.</b></li> <li>● <b>Persons in control of operational activities have been notified that the site and/or equipment has been returned to their control.</b></li> <li>● <b>Required Control of Work documentation is returned to the point of issue.</b></li> <li>● <b>Completions or suspension of the work and the status of the site and equipment is communicated to affected personnel.</b></li> </ul>
<p>9.</p>	<p><b>Requirement:</b> <b>BUs shall define conditions for authorizing and closing out PNR tasks.</b></p> <p><b>Guidance:</b></p> <ul style="list-style-type: none"> <li>● Refer to Appendix A for additional guidance on Permit Required versus Permit Not Required (PNR) tasks and how they are managed.</li> <li>● Conditions for approving and accepting tasks controlled under PNR may include: <ul style="list-style-type: none"> <li>○ A procedure or instruction for approving and accepting PNR tasks (e.g., hazard analysis, procedure, start-of-shift meeting).</li> <li>○ System of record (e.g., unit log, electronic permitting tool, etc.).</li> <li>○ Verification of workforce training and competency, including completion of site-specific safety inductions or orientations.</li> <li>○ Any other condition determined by the BU.</li> </ul> </li> <li>● Conditions triggering the suspension of PNR work may include: <ul style="list-style-type: none"> <li>○ New or previously unrecognized hazards have been identified which were not identified and mitigated in the hazard analysis</li> <li>○ An event occurs at the jobsite</li> <li>○ There is a general alarm or emergency</li> <li>○ Work exceeds duration, scope, or conditions</li> </ul> </li> </ul>

# Appendix A: Permit Required / Permit Not Required (PNR) flowchart



## Appendix B: Roles and responsibilities

Role	Definition	Responsibilities
<b>Permit Approver</b>	<p>An individual that has been trained, qualified, and authorized by the company to approve work within their area of responsibility.</p> <p>The Permit Approver's role and responsibilities can be delegated, at BU leadership discretion and based on applicable regulatory requirements.</p> <p>The Permit Approver and the Permit Holder are always two different individuals. Self-approving work, also known as self-permitting, is strictly prohibited.</p>	<ul style="list-style-type: none"> <li>Identify, communicate, mitigate, and control hazards associated with work that has the potential to adversely impact workforce safety and health.</li> <li>Provide and assign the appropriate level of oversight, including frequency of revalidation, for all work taking place in their designated area of responsibility.</li> <li>Review the work plans, hazard analysis and associated work authorizations, and when applicable, isolation certificates for SIMOPs conflicts.</li> <li>Conduct the site hazard assessment and approve the work authorization after verification that all conditions have been met and identified controls are in place and functioning.</li> </ul>
<b>High-level approver</b>	<p>Person with the competency and authority to make a risk-based evaluation and determine whether proposed deviations from a CoW requirement and alternate controls adequately reduce risk and allow safe execution of work.</p> <p>BUs shall determine the appropriate organizational level of "high-level approvers" based upon the risk of the task, requirement, and/or deviation. For example, a Head Operator may not be the appropriate high-level approver for a lift over live critical process equipment.</p>	<ul style="list-style-type: none"> <li>Review and approve work for high-consequence work identified by BU leadership, or for work that requires deviations from safe work procedures.</li> </ul>
<b>Permit Holder</b>	<p>The Permit Holder is the person designated to accept approval conditions and control work within their area of responsibility.</p> <p>The Permit Approver and the Permit Holder are always two different individuals. Self-approving work, also known as self-permitting, is strictly prohibited.</p>	<ul style="list-style-type: none"> <li>Identify, communicate, mitigate, and control hazards associated with work that has the potential to adversely impact workforce safety and health.</li> <li>Safely execute work scope with persons performing work.</li> <li>Conduct pre-job brief and communicate scope of work and hazard analysis to persons performing work.</li> <li>Close out work authorizations indicating task completion status.</li> </ul>
<b>Person performing work</b>	<p>An individual contributor responsible for the safe completion of the task.</p>	<ul style="list-style-type: none"> <li>Attend pre-job brief and acknowledge scope of work, hazards, mitigations, and controls</li> <li>Safely execute work scope within the parameters of Control of Work documentation</li> <li>Execute Stop Work Authority (SWA) if work execution deviates from work scope.</li> <li>Participate in Post Job Reviews (PJR)</li> </ul>

## Appendix C: References

### **American Fuel & Petrochemical Manufacturers (AFPM)**

Practice Sharing                      Establishing Scope of Activities Managed Outside of a Permit to Work Document

### **American Petroleum Institute (API)**

Recommended Practice 75      Safety and Environmental Management System for Offshore Operations and Assets

Recommended Practice 76      Contractor Safety Management for Oil and Gas Drilling and Production Operations

### **Health & Safety Executive (HSE)**

HSG 250                              Guidance on permit-to-work systems

### **International Association of Oil & Gas Producers (IOGP)**

Report No. 6.29/189              Guidelines on permit to work (P.T.W.) systems  
Report No. 459                      Life-Saving Rules

### **International Organization for Standardization (ISO)**

ISO 45001:2018                  Occupational health and safety management systems - Requirements with guidance for use

### **Occupational Safety & Health Administration (OSHA)**

OSHA 3071                          Job Hazard Analysis

### **U.S. Department of Energy (DOE)**

DOE-HDBK-1028-2009          Human Performance Improvement Handbook