



**MINNESOTA DEPARTMENT OF NATURAL RESOURCES**

**TASK BOOK FOR THE POSITION OF**

**MINNESOTA IGNITION SPECIALIST TYPE 2 (MRXI2)**

**(POSITION PERFORMANCE ON A WILDLAND OR PRESCRIBED FIRE  
ASSIGNMENT REQUIRED)**

**JANUARY 2004**

<b>TASK BOOK ASSIGNED TO:</b>
INDIVIDUAL'S NAME, DUTY STATION, AND PHONE NUMBER
<b>TASK BOOK INITIATED BY:</b>
OFFICIAL'S NAME, TITLE, DUTY STATION, AND PHONE NUMBER
LOCATION AND DATE THAT TASK BOOK WAS INITIATED

*The material contained in this book accurately defines the performance expected of the position for which it was developed. This task book is approved for use as a position qualification document in accordance with the instructions contained herein.*

# EVALUATOR

DO NOT COMPLETE THIS UNLESS YOU ARE RECOMMENDING THE TRAINEE FOR CERTIFICATION

## VERIFICATION/CERTIFICATION OF COMPLETED TASK BOOK FOR THE POSITION OF

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### FINAL EVALUATOR'S VERIFICATION

I verify that all tasks have been performed and are documented with appropriate initials.

I also verify that \_\_\_\_\_

has performed as a trainee and should therefore be considered for certification in this position.

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FINAL EVALUATOR'S SIGNATURE AND DATE

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EVALUATOR'S PRINTED NAME, TITLE, DUTY STATION, AND PHONE NUMBER

### AGENCY CERTIFICATION

I certify that \_\_\_\_\_

has met all requirements for qualification in this position and that such qualification has been issued.

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CERTIFYING OFFICIAL'S SIGNATURE AND DATE

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CERTIFYING OFFICIAL'S NAME, TITLE, DUTY STATION, AND PHONE NUMBER

**Minnesota Department of Natural Resources  
POSITION TASK BOOK**

This Position Task Book (PTB) has been developed for the MN DNR designated position of Minnesota Ignition Specialist Type 2. Minnesota Ignition Specialist Type 2's (MRXI2) are qualified to direct the ignition of **low to moderate complexity** (as per the NWCG Complexity Rating Guide NFES 2474) burns under the supervision of a Burn Boss. The Minnesota Ignition Specialist Type 2 typically directs a group of 3-5 igniters and/or holding crewmembers and may be responsible for use of a variety of ground ignition devices. They may also be responsible for monitoring weather and burning conditions to meet the desired fire effects and necessary level of control. The PTB lists the performance requirements (tasks) for the specific position in a format that allows a trainee to be evaluated against written guidelines. Successful performance of all tasks, as observed and recorded by an evaluator, will result in a recommendation to the division that the trainee be certified in that position.

Evaluation and confirmation of the individual's performance of all the tasks may involve more than one evaluator and can occur on incidents, in classroom simulation, and in other work situations. Designated PTBs require position performance during which the majority of required tasks are demonstrated on an incident. It is important that performance be critically evaluated and accurately recorded by each evaluator. **All tasks must be evaluated. All bullet statements within a task which require an action (contain an action verb) must be demonstrated before that task can be signed off.**

A more detailed description of this process, definitions of terms, and responsibilities are included in the MN DNR Prescribed Burn Handbook and the MN DNR Supplement to the Wildland and Prescribed Fire Qualification Subsystem Guide 310-1. A brief list of responsibilities also appears below.

**RESPONSIBILITIES:**

1. The **Local Office** is responsible for:
  - Selecting trainees based on the needs of the local office and the geographic area.
  - Ensuring that the trainee meets the training and experience requirements included in the MN DNR Prescribed Burn Handbook and MN Supplement to the NWCG Wildland and Prescribed Fire Qualification Subsystem Guide 310-1.
  - Issuing PTBs to document task performance
  - Explaining to the trainee the purpose and processes of the PTB as well as the trainee's responsibilities.
  - Providing opportunities for evaluation and/or making the trainee available for evaluation.
  - Providing an evaluator for local assignments.
  - Tracking progress of the trainee.
  - Confirming PTB completion.
  - Determining certification per DNR Division policy. (DNR Prescribed Burn Handbook)
  - Issuing proof of certification.
  
2. The **individual** is responsible for:
  - Reviewing and understanding instructions in the PTB
  - Identifying desired objectives/goals.
  - Providing background information to an evaluator.
  - Satisfactorily demonstrating completion of all tasks for an assigned position within three years.

- Assuring the Evaluation Record is complete.
- Notifying local office personnel when the PTB is completed and providing a copy.
- Keeping the original PTB in personal records.

3. The **Evaluator** is responsible for:

- Being qualified and proficient in the position being evaluated.
- Meeting with the trainee and determining past experience, current qualifications, and Desired objectives/goals.
- Reviewing tasks with the trainee.
- Explaining to the trainee the evaluation procedures that will be utilized and which objectives may be attained.
- Identifying tasks to be performed during the evaluation period.
- Accurately evaluating and recording demonstrated performance of tasks. Satisfactory performance shall be documented by dating and initialing completion of the task. Unsatisfactory performance shall be documented in the Evaluation Record.
- Completing the Evaluation Record found at the end of each PTB.
- Signing the verification statement inside the front cover of the PTB when all tasks have been initialed.

#### **QUALIFICATIONS:**

The trainee must be qualified at the MFFT2 level (Minnesota Firefighter, Type 2) and must complete the following training **BEFORE** a MRXI2 task book can be issued to a trainee:

- S-130 Firefighter Training
- S-190 Introduction to Fire Behavior
- S-234 Ignition Operations
- S-290 Intermediate Fire Behavior

The following training is recommended to support the trainee's knowledge and skills

- I-100 Introduction to Incident Command System
- I-200 Basic Incident Command System
- S-131 Advanced Firefighter/Squad Boss

Trainees must successfully complete all tasks. It is recommend that trainees work **multiple** assignments (prescribed burns) with an experienced Minnesota Ignition Specialist 1 or 2. Be sure to document the fuel types and complexity of the burn the trainee is being evaluated on. Ignition plans can be attached to this task book as a means of documentation of performance.

## QUALIFICATION RECORD

**POSITION: MINNESOTA IGNITION SPECIALIST TYPE 2 (MRX12)**

TASK	C O D E*	EVALUATION RECORD #	EVALUATOR: Initial & date upon completion of task
<p><b><u>GENERAL</u></b></p> <p>1. <u>Review DNR procedures, policies and regulations for prescribed burning as related to position.</u></p> <ul style="list-style-type: none"> <li>• Read DNR Operational Order 47 and the MN DNR Prescribed Burn Handbook.</li> <li>• Discuss prescribed burn policies with supervisor.</li> <li>• Identify the relationship of the Minnesota Ignition Specialist with other prescribed burn positions.</li> </ul>	O		
<p>2. <u>Review the burn plan and burn unit prior to implementation. Based on complexity:</u></p> <ul style="list-style-type: none"> <li>• Recon burn unit/area of assigned responsibility.</li> <li>• Review the type, number and placement of resources.</li> <li>• Review and consult with burn boss on resources and suggest adjustments as necessary.</li> <li>• Review and refine the ignition plan in light of current fuel and weather conditions and expected fire behavior.</li> <li>• Review priorities set in the burn plan.</li> <li>• Conduct documented (formal or informal) hazard analysis in multiple resource type situations.</li> <li>• Consider the use of alternative ignition devices; e.g., aerial, terra torch.</li> <li>• Insure that planned ignition responsibilities will comply with safety standards (LCES, Standard Orders).</li> </ul>	RX		

\*Codes: O = task can be completed in any situation (classroom, simulation, prescribed fire, daily job, etc.)  
 I = task must be performed on an incident (flood, fire prescribed fire, search & rescue, planned event, etc.)  
 W = task must be performed on a wildland fire incident  
 /R = Rare event—the evaluation assignment may not provide opportunities to demonstrate performance. The evaluator may be able to determine skills/knowledge through interview or the home office may need to arrange for another assignment or a simulation.  
 RX = task must be performed on a prescribed fire incident

**QUALIFICATION RECORD**  
Continuation Sheet

**POSITION: MINNESOTA IGNITION SPECIALIST TYPE 2 (MRXI2)**

TASK	C O D E*	EVALUATION RECORD #	EVALUATOR: Initial & date upon completion of task
3. <u>Establish and maintain positive interpersonal and interagency working relationships.</u> <ul style="list-style-type: none"> <li>• Demonstrate communication skills.</li> <li>• Articulate performance requirements to ignition crewmembers.</li> <li>• When required, complete administrative documentation such as crew time reports, safety inspections, injury forms, operational period records.</li> <li>• Evaluate on-the-job performance of ignition crewmembers and provide corrective measures.</li> </ul>	RX		
4. <u>Conduct pre-burn readiness assessment and briefing.</u> <ul style="list-style-type: none"> <li>• Consult with burn boss on “go/no-go” decision.</li> <li>• Review and adjust the ignition plan in view of current conditions.</li> <li>• Instruct crew on ignition operations.</li> </ul>	RX		

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**QUALIFICATION RECORD**  
Continuation Sheet

**POSITION: MINNESOTA IGNITION SPECIALIST TYPE 2 (MRX12)**

TASK	C O D E*	EVALUATION RECORD #	EVALUATOR: Initial & date upon completion of task
<p><b><u>PRESCRIBED BURN OPERATIONS</u></b></p> <p>5. <u>Conduct ignition operations in a safe manner according to the Standard Fire Orders, DNR Prescribed Burn Unit Plan, Watch Out Situations, LCES principles and DNR policies and standards.</u></p> <ul style="list-style-type: none"> <li>• Review ignition operations to ensure compliance with safety guidelines.</li> <li>• Inspect mechanical equipment and ignition devices for safety.</li> <li>• Advise ignition crew members of potential or impending safety hazards. Inform of appropriate mitigation actions such as posting of look-outs, and identification of safety zones and escape routes.</li> </ul>	RX		
<p>6. <u>Maintain communications with ignition crew members, your supervisor and other personnel.</u></p> <ul style="list-style-type: none"> <li>• Keep burn personnel informed of ignition process, conditions affecting fire behavior, equipment problems, safety of assigned personnel.</li> <li>• As needed, request assistance from burn boss or other personnel to meet ignition objectives.</li> </ul>	RX		
<p>7. <u>Complete test fire according to plan.</u></p> <ul style="list-style-type: none"> <li>• Change or adjust the ignition plan to meet the dynamics of the situation.</li> </ul>	RX		

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**QUALIFICATION RECORD**  
Continuation Sheet

**POSITION: MINNESOTA IGNITION SPECIALIST TYPE 2 (MRXI2)**

TASK	C O D E*	EVALUATION RECORD #	EVALUATOR: Initial & date upon completion of task
<p>8. <u>Ignite project area according to ignition plan.</u></p> <ul style="list-style-type: none"> <li>• Direct ignition crew members in ignition techniques sequence.</li> <li>• Coordinate with the holding forces and other personnel regarding firing operations.</li> <li>• Change or adjust the ignition plan to meet the dynamics of the situations.</li> <li>• Coordinate the movement of pre-positioning of ignition fuel/device needs.</li> <li>• If applicable, provide direction to aircraft/aerial ignition resources used in the burn operations.</li> <li>• Recognize personnel fatigue and smoke exposure symptoms and take corrective actions such as rotating duties, adjusting rest periods.</li> </ul>	RX		
<p>9. <u>Identify impacts of ignition on control and desired fire effects. Make needed adjustments.</u></p> <ul style="list-style-type: none"> <li>• Monitor rates of spread, flame lengths, fire intensities, spotting, and scorch heights.</li> <li>• Recognize potential for extreme fire behavior conditions.</li> <li>• Recognize and respond to fire behavior/weather changes on site; e.g., R/H, wind direction, wind speed.</li> </ul>	RX		

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 RX = task must be performed on a prescribed fire incident

## QUALIFICATION RECORD

**POSITION: MINNESOTA IGNITION SPECIALIST TYPE 2 (MRX12)**

TASK	C O D E*	EVALUATION RECORD #	EVALUATOR: Initial & date upon completion of task
10. <u>Evaluate overall ignition activities.</u> <ul style="list-style-type: none"> <li>• Insure required documentation has been submitted.</li> <li>• Maintain accountability for assigned ignition equipment.</li> <li>• Provide input to final debriefing.</li> <li>• Provide feedback to the ignition crew on accomplishment of objectives during ignition operations.</li> </ul>	RX		

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       need to arrange for another assignment or a simulation.  
 RX = task must be performed on a prescribed fire incident

## INSTRUCTIONS for EVALUATION RECORD

There are four separate blocks allowing evaluations to be made. These evaluations may be made on incidents, simulation in classroom, or in daily duties, depending on what the position task book indicates. This should be sufficient for qualification in the position if the individual is adequately prepared. If additional blocks are needed, a page can be copied from a blank task book and attached.

### COMPLETE THESE ITEMS AT THE START OF THE EVALUATION PERIOD:

**Evaluator=s name, incident/office title & agency:** List the name of the evaluator, his/her incident position (on incidents) or office title, and agency.

**Evaluator=s home unit address & phone:** Self-explanatory

**#:** The number in the upper left corner of the experience block identifies a particular experience or group of experiences. This number should be placed in the column labeled "Evaluation Record #" on the Qualification Record for each task performed satisfactorily.

**Location of Incident/Simulation:** Identify the location where the tasks were performed by agency and office.

**Incident Type:** Enter type of incident, e.g., wildfire, prescribed fire, search and rescue, flood, etc.

### COMPLETE THESE ITEMS AT THE END OF THE EVALUATION PERIOD:

**Number and Type of Resources:** Enter the number of resources and types assigned to the incident pertinent to the trainee=s task book position.

**Duration:** Enter inclusive dates during which the individual was evaluated. This block may indicate a span of time covering several small and similar incidents if the trainee has been evaluated on that basis, i.e., several initial attack fires in similar fuel types.

**Management Level or Prescribed Fire Complexity Level:** Indicate ICS organization level, i.e., Type 5, Type 4, Type 3, Type 2, Type 1, Area Command or prescribed fire complexity level (low, moderate, high).

**NFFL Fuel Model:** For wildland fire and prescribed fire experience, enter number (1-13) of the fuel model (s) in which the incident occurred and under which the trainee was evaluated.

<b>Grass</b>	1. Short Grass (1 foot)	<b>Timber</b>	8. Closed Timber Litter
<b>Group</b>	2. Timber (grass & understory)	<b>Group</b>	9. Hardwood Litter
	3. Tall grass (2 2 feet)		10. Timber (litter understory)
<b>Brush</b>	4. Chaparral (6 feet)	<b>Slash</b>	11. Light Logging Slash
<b>Group</b>	5. Brush (2 feet)	<b>Group</b>	12. Medium Logging Slash
	6. Dormant brush-Hardwood Slash		13. Heavy Logging Slash
	7. Southern Rough		

**Recommendation:** Check as appropriate and/or make comments regarding the future needs for development of this trainee.

**Date:** List the date the record is being completed.

**Evaluator=s initials:** Initial here to authenticate your recommendations and to allow for comparison with initials in the Qualifications Record.

**Evaluator=s relevant red card rating:** List your certification relevant to the trainee position you supervised.

## Evaluation Record

**TRAINEE NAME**

**TRAINEE POSITION**

#1	Evaluator's name: Incident/office title & agency:				
Evaluator's home unit address & phone:					
Name and Location of Incident or Simulation (agency & area)	Incident Kind (wildland fire, search & rescue, etc.)	Number & Type of Resources Pertinent to Trainee's Position	Duration (inclusive dates in trainee status)	Management Level or Prescribed Fire Complexity Level	NFFL Fuel Model(s)
			to		
<p>The tasks initialed &amp; dated by me have been performed under my supervision in a satisfactory manner by the above named trainee. I recommend the following for further development of this trainee.</p> <p>_____ The individual has successfully performed all tasks for the position and should be considered for certification.</p> <p>_____ The individual was not able to complete certain tasks (comments below) or additional guidance is required.</p> <p>_____ Not all tasks were evaluated on this assignment and an additional assignment is needed to complete the evaluation.</p> <p>_____ The individual is severely deficient in the performance of tasks for the position and needs further training (both required &amp; knowledge and skills needed) prior to additional assignment(s) as a trainee.</p> <p>Recommendations: _____</p> <p>Date: _____ Evaluator's initials: _____ Evaluator's relevant red card (or agency certification) rating: _____</p>					

#2	Evaluator's name: Incident/office title & agency:				
Evaluator's home unit address & phone:					
Name and Location of Incident or Simulation (agency & area)	Incident Kind (wildland fire, search & rescue, etc.)	Number & Type of Resources Pertinent to Trainee's Position	Duration (inclusive dates in trainee status)	Management Level or Prescribed Fire Complexity Level	NFFL Fuel Model(s)
			to		
<p>The tasks initialed &amp; dated by me have been performed under my supervision in a satisfactory manner by the above named trainee. I recommend the following for further development of this trainee.</p> <p>_____ The individual has successfully performed all tasks for the position and should be considered for certification.</p> <p>_____ The individual was not able to complete certain tasks (comments below) or additional guidance is required.</p> <p>_____ Not all tasks were evaluated on this assignment and an additional assignment is needed to complete the evaluation.</p> <p>_____ The individual is severely deficient in the performance of tasks for the position and needs further training (both required &amp; knowledge and skills needed) prior to additional assignment(s) as a trainee.</p> <p>Recommendations: _____</p> <p>Date: _____ Evaluator's initials: _____ Evaluator's relevant red card (or agency certification) rating: _____</p>					

## Evaluation Record

**TRAINEE NAME**

**TRAINEE POSITION**

#3	Evaluator's name: Incident/office title & agency:				
Evaluator's home unit address & phone:					
Name and Location of Incident or Simulation (agency & area)	Incident Kind (wildland fire, search & rescue, etc.)	Number & Type of Resources Pertinent to Trainee's Position	Duration (inclusive dates in trainee status)	Management Level or Prescribed Fire Complexity Level	NFFL Fuel Model(s)
			to		
The tasks initialed & dated by me have been performed under my supervision in a satisfactory manner by the above named trainee. I recommend the following for further development of this trainee. _____ The individual has successfully performed all tasks for the position and should be considered for certification. _____ The individual was not able to complete certain tasks (comments below) or additional guidance is required. _____ Not all tasks were evaluated on this assignment and an additional assignment is needed to complete the evaluation. _____ The individual is severely deficient in the performance of tasks for the position and needs further training (both required & knowledge and skills needed) prior to additional assignment(s) as a trainee. Recommendations: _____ _____ Date: _____ Evaluator's initials: _____ Evaluator's relevant red card (or agency certification) rating: _____ _____					

#4	Evaluator's name: Incident/office title & agency:				
Evaluator's home unit address & phone:					
Name and Location of Incident or Simulation (agency & area)	Incident Kind (wildland fire, search & rescue, etc.)	Number & Type of Resources Pertinent to Trainee's Position	Duration (inclusive dates in trainee status)	Management Level or Prescribed Fire Complexity Level	NFFL Fuel Model(s)
			to		
The tasks initialed & dated by me have been performed under my supervision in a satisfactory manner by the above named trainee. I recommend the following for further development of this trainee. _____ The individual has successfully performed all tasks for the position and should be considered for certification. _____ The individual was not able to complete certain tasks (comments below) or additional guidance is required. _____ Not all tasks were evaluated on this assignment and an additional assignment is needed to complete the evaluation. _____ The individual is severely deficient in the performance of tasks for the position and needs further training (both required & knowledge and skills needed) prior to additional assignment(s) as a trainee. Recommendations: _____ _____ Date: _____ Evaluator's initials: _____ Evaluator's relevant red card (or agency certification) rating: _____ _____					