**Wildland Fuels Technician Certification**

**Template for Core Competency Section of Application**

The table below lists the required set of core competencies for the Wildland Fuels Technician Certification. In the right column of the table, please provide a narrative that explains how you meet the competency listed in that row. Make sure to include specific examples and details so the evaluator can properly assess your proficiency in each competency. You will be given 1 point for each competency you meet and a 0 for each competency you do not meet. You must score at least 11 points to receive a passing evaluation on this section of the application.

Applicant Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

| Core Competencies | | Applicant Narrative |
| --- | --- | --- |
| 1.1 | **Measure fuel loading**: Use of common fuel loading methodologies including Planar Intercept, Photoload, occular estimation and comparison to fuel loading photoguides. |  |
| 1.2 | **Measure canopy fuels**: Ability to determine canopy bulk densities, canopy height, as well as other attributes leading to third dimension fire conditions. |  |
| 1.3 | **Species identification:** Correct identification of locally relevant and common species |  |
| 1.6 | **Fire Behavior Fuel Models**: Understanding of the standard 13 and 40 fuel models, as well as locally derived fuel models. |  |
| 1.7 | **Fuel moisture sampling**: Ability to implement and report fuel moisture sampling through oven-weight or other methodologies. |  |
| 1.8 | **Implementing Sampling Protocols**: Field-level vegetation/project objective monitoring; fuel moisture data collection; fuel model inputs; transects/intercept protocols; canopy loading protocols. |  |
| 2.1 | **Fuel manipulation techniques**: Demonstrated knowledge of standard fuels manipulation techniques such as thinning, chipping, piling, prescribed fire, etc. |  |
| 2.2 | **Implement the Fuels Project Plan:** Follow the implementation document to ensure consistency with project objectives, design features, mitigation measures. Be able to communicate that to contractors, staff, and/or cooperators. |  |
| 2.4 | **Participate in Prescribed Burning:** Show participation in prescribed fire activities in an operational, monitoring, or command capacity. |  |
| 2.6 | **Evaluate the success/failure of objectives**: Ability to identify objectives before and after fuels treatments and compare them to planning document standards. |  |
| 3.1 | **Application of Fire Ecology**: Demonstrate practical experience with incorporating fire ecology principles into project planning, implementation, and monitoring. Project consistency with known fire regimes, fire attributes, and ecosystem processes. |  |
| 3.2 | **Fire Effects**: Demonstrate understanding of first and second order fire effects and it's application within fuels management. |  |
| 4.2 | **Land Management Planning**: Provide input to and/or participate in the interdisciplinary process of land management planning for fire and fuels management purposes. |  |
| 4.6 | **Leadership Principles**: Demonstrate leadership principles by modeling professionalism in fire & fuels management through actions rooted in operational and scientific integrity. |  |
| Total Number of Competencies | | 14 |
| 80% Threshold (Passing Score) | | 11 |