

APPENDIX E

STANDARDS FOR INTERAGENCY HOTSHOT CREW OPERATIONS PEER REVIEW FOR INITIAL CERTIFICATION OF INTERAGENCY HOTSHOT CREWS

ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
CORPORATE KNOWLEDGE Communications - Sharing information	Comments	
<p>Crew clearly understands and demonstrates the knowledge expected of Type 1 crews. Crew shares critical information in a timely manner utilizing the appropriate vernacular for the situation.</p> <ul style="list-style-type: none"> • Face to face and radio communications are accurate, concise and respectful. • Intra and intercrew communications are maintained and appropriate for the situation. • Crew clearly understands and utilizes "Trigger Points" and "Trip Wires" and makes them know to all affected resources. 	Contact Phone #	
ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
CORPORATE KNOWLEDGE Strategy and Tactics	Comments	
<p>Crew clearly understands the overall incident strategy and control objectives. Crew selects the correct tactics to meet the control objectives and is able to adjust their tactics as the situation warrants.</p> <ul style="list-style-type: none"> • Crew demonstrates knowledge of line placement and standards. • Crew demonstrates knowledge of water use and hoselays. • Crew demonstrates extensive knowledge in the use of portable pumps. 	Contact Phone #	

ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
CORPORATE KNOWLEDGE Mobilization - Travel: Ground/Air	Comments	
<p>Crew has been mobilized inside/outside of region and they clearly demonstrate an understanding of travel policies and guidelines.</p> <ul style="list-style-type: none"> • Crew has driven to incidents and demonstrates a clear understanding of policies and procedures associated with this type of mobilization • Crew has flown in contract aircraft demonstrating a clear understanding of policies and procedures associated with this type of mobilization • Crew has flown commercially and prepared and secured equipment and personnel in accordance with airport security policies • Crew has "chased" the buggies and still maintains minimum expectations/standards of receiving units 		
ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
Line Construction – Hotline	Comments	
<p>Crew was engaged in a "Hotline" assignment of significant duration, (# of hours/shifts) crew performed efficiently and effectively adhering to all applicable rules of engagement. The quality, quantity and location of their line were commensurate to the conditions.</p> <ul style="list-style-type: none"> • Crew briefing was conducted and included assignment objectives and LCES • Personnel, tools and equipment were adequate for the conditions • Escape Routes and Safety Zones were adequate for the conditions and known by all crewmembers • Crew overhead and crewmembers appeared to have good Situational Awareness • Crew conducted effective and well organized After Action Review 		

ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
Line Construction - Cold Trail	Comments	
Crew clearly demonstrated an understanding of the concept, utilizing the appropriate techniques of securing, mopping up and lining hot spots adjacent to the fires edge.		
	Contact Phone #	
ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
Working with Engines	Comments	
<ul style="list-style-type: none"> • Crew worked with water handling equipment coordinating with and supporting fire engine crews. • Crew briefing was conducted which included assignment objectives, hazards, communications, lookouts, escape routes, and safety zones. • Crewmembers assisted engine companies in setting up engine operations. • Crewmembers looked for water sources (ponds, pools, stand pipes, etc.) set up portable pumps and hose lays. • Crew utilized working lines in combination with hand tools to suppress and/or mop up fire activity. • Crew personnel maintained good communications and were accounted for at all times. • Crew maintained good situational awareness dealing with fire activity and hazards. LCES was maintained. 		
	Contact Phone #	

ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
Line Construction – Downhill	Comments	
<p>Crew participated in a downhill line construction operation. LCES was in place and maintained for the duration of the operation.</p> <ul style="list-style-type: none"> • Crew supervisor(s) and fireline overhead will discuss assignments prior to committing crew(s). Responsible overhead individual will stay with job until completed. (Minimum TFLD or ICT4) • Decision will be made after proposed fireline has been scouted by supervisor(s) of involved crew(s). • LCES will be coordinated for all personnel involved. <ul style="list-style-type: none"> ➤ Crew supervisor(s) is in direct contact with lookout that can see the fire. ➤ Communication is established between all crews. ➤ Rapid access to safety zones in case fire crosses below crew(s). • Direct attack will be used whenever possible. • Fireline will not lie in or adjacent to chute or chimney. • Starting point will be anchored for crew(s) building fireline down from the top. • Bottom of the fire will be monitored; if the potential exists for the fire to spread, action will be taken to secure the fire edge. 		
	Contact Phone #	
ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
Line Construction – MIST	Comments	
<p>Crew engages to suppress a wildfire with the least impact to the land. Fire conditions and good judgment dictate actions taken.</p> <ul style="list-style-type: none"> • Safety is of the utmost importance. Line standards and specifications are commensurate to the conditions. • Proper procedures, tools and equipment are selected that least impact the environment. 		
	Contact Phone #	

ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
Spot Fire Procedures	Comments	
<p>Crew has pre-identified spot fire protocols and procedures.</p> <ul style="list-style-type: none"> • Notification procedures: To overhead, firing boss, holding boss, burners, crew members, adjoining forces. • Appropriate size-up procedure. • Safety - LCES implementation. • Engagement method(s). • Ability to request additional resources if needed. • Contain, control, patrol, mark and notify procedure or system. 		
ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
Firing Operations - Burnout/Division Level	Comments	
<p>Crew initiated and conducted a successful burnout to accomplish Division level control objectives. The crew was able to maintain control of fire intensity and keep the main fire and burnout operation within the control lines.</p> <ul style="list-style-type: none"> • Incident, division and crew level briefings were in agreement and crew fully understood the assignment. • Coordination with adjoining resources and neighboring divisions was apparent and maintained for the duration of the shift. • Crew utilized firing techniques appropriate for the fuels, weather and topography. • Crew showed proficiency in the use of various types of firing equipment. • Crew demonstrated the ability to control the intensity and rates of spread of the burnout necessary to meet incident objectives. 		

ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
Firing Operations - Burnout/Crew Level	Comments	
<p>Crew initiated and conducted a successful burnout to accomplish crew level control objectives. The crew was able to able to maintain control of fire intensity and keep the main fire and burnout operation within the control lines.</p> <ul style="list-style-type: none"> • Superintendent or the crew overhead maintained communications with division supervisor and adjoining resources • Crew had sufficient personnel, equipment and expertise to conduct the burnout without assistance. 		
	Contact Phone #	
ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
Firing Operations – Holding	Comments	
<ul style="list-style-type: none"> • Crew was involved in holding operations in support of a burnout or backfiring operation. • Superintendent and or crew overhead briefs and develops an organizational holding plan and assigns equipment and crews. • Holding Boss should assure safety of personnel. • Overhead and crew maintains communication with adjoining • Resources to ensure plan is followed accordingly. • Holding Boss advises Division Supervisor of the progress and holding conditions. • Selected Individuals should be at a vantage point where both the firing and holders can be seen. • Objective hazards and crew members and adjoining forces can be observed. • Holding Boss should insure that crews and equipment are progressing with the firing operations when possible. 		
	Contact Phone #	

ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
Interface Operations – General	Comments	
<ul style="list-style-type: none"> • Crew operations stayed fluid in their performance of the overall plan. Crew's strategy and tactics were able to adjust to changing conditions and situations. • Priorities for the protection of life, property, and environmental resources were kept in focus, maintaining safety first. • Crew conducted an organized and meaningful After Action Review following the assignment. 		
	Contact Phone #	
ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
Interface Operations - Firing Around Structures/Improvements	Comments	
<p>Crew was actively engaged in firing operations adjacent to structures/improvements threatened by an approaching wildland fire.</p> <ul style="list-style-type: none"> • Crew overhead obtained a briefing from division or operations concerning the firing operation. • Superintendent participated in the tactical planning of the firing procedures and crew responsibilities. • Crew briefing was conducted addressing the objectives, safety concerns, LCES, firing procedures, and the crew's part in the tactical implementation. • Crew safely and effectively fired out from roads, lanes, pathways, hand line, etc. in an effort to protect structures/improvements. • Burners showed a firm knowledge of firing techniques and firing equipment used. • Crew maintained a vigilant stance during the holding period of the firing operation, actively searching for spot fires, and problems associated with doglegs, widow makers, snags, etc. 		
	Contact Phone #	

ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
Interface Operations - Structure/Improvement Triage	Comments	
<p>Crew performed or assisted in the structure/improvement triage process, sizing up the threat to individual structures/improvements, prioritizing, and determining how best to minimize property damage and loss.</p> <ul style="list-style-type: none"> • Crew briefing was conducted addressing assignment objectives, predicted fire and weather activity, special hazards, communications, escape routes and safety zones. • Crew showed a firm grasp of the defensible space concept. • Crew was aware of occupancy coordinating efforts between property owners and fire fighters maintaining a professional attitude when dealing with the public. • Crewmembers performed hazard reduction by cutting brush, limbing trees and shrubs, constructing handline, and removing debris from around structures/ improvements. • Crew maintained good situational awareness with urban interface conditions such as vehicle traffic, best ingress and egress, domestic animals, electrical hazards and propane lines. • Crew maintained a mobile capability, and maintained LCES. 		
	Contact Phone #	
ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
Line Construction – Indirect	Comments	
<p>Crew participated in an indirect line construction operation. LCES was in place and maintained for the duration of the shift.</p> <ul style="list-style-type: none"> • Assignment was to construct an indirect control line some distance from the main fire. • Assignment was to widen a road and eliminate all hazards in anticipation of a firing operation. 		
	Contact Phone #	

ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
Working with Dozers	Comments	
<ul style="list-style-type: none"> • Crew works in conjunction with dozer to meet control objectives on the fireline. • Crew briefing was conducted which included assignment objectives, hazards, communications, lookouts, escape routes, and safety zones. • Communication was maintained between crew and dozer boss. • Crew was never placed directly below dozer operations. • If firing behind, crew supervisor(s) coordinates to not allow dozer to get too far ahead of firing crew. • Crew maintained good situational awareness dealing with fire activity and hazards. LCES was maintained. 		
	Contact Phone #	
ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
Construct/Prepare Helispot	Comments	
<ul style="list-style-type: none"> • Locate appropriate site • Determine prevailing wind directions and clear approach and departure paths appropriate to size class of helicopter • Level touchdown area appropriate to size class of helicopter • Install windsock or wind indicator • Remove or secure loose items • Clear area of stumps, brush, posts, large rocks or anything over 18 inches high • Relay any hazards to pilot 		
	Contact Phone #	

ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
Working with aircraft - Fixed wing: Air Attack/ASM's	Comments	
<ul style="list-style-type: none"> • Crew supervisor(s) do an adequate job of describing crew location and crew needs. • Radio communications are accurate, concise and respectful. 		
Contact Phone #		
ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
Working with aircraft - Directing Retardant and Bucket Drops	Comments	
<ul style="list-style-type: none"> • All affected fireline personnel are notified of the aircraft's intentions and are located in a safe area prior to the drop. • Crew supervisor(s) describes general location on the incident. • Crew supervisor(s) finalizes location by using appropriate and accepted communication methods: <ul style="list-style-type: none"> ➤ Signal mirrors ➤ Clock direction ➤ Flagging/Panels ➤ Position/Aspect on slope ➤ Describe prominent landmarks, etc. • Crew supervisor(s) gives proper target description and mission. • Crew supervisor(s) confirm the drop area is clear both with pilot and ground personnel. • Crew supervisor(s) gives honest and constructive feedback on drop accuracy and effectiveness. 		
Contact Phone #		

ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
<p>Working with aircraft - Rotor Wing Crew Transport</p> <ul style="list-style-type: none"> • Crew arrives at helibase/helispot organized with gear and equipment prepared to fly. • Crew has current manifest ready for helitack personnel. • Generally crew superintendent requests being placed on the first load. • Crew listens and adheres to helitack personnel's instructions. 	Comments	
ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
<p>Chainsaw Operations</p> <p>Crew has demonstrated the safe and effective use of chainsaws and utilized appropriate saw team deployment techniques while engaged in line construction (hotline, downhill, indirect, etc.), mop-up, and felling operations.</p> <ul style="list-style-type: none"> • Crew was able to deploy multiple saw teams based on fireline assignment. • Crew maintains personnel qualified at the B (intermediate) and/or C (advanced) Faller level and demonstrated the ability to perform complex falling and bucking operations. • Sawyers showed a firm knowledge of chainsaw use and technique and adhered to agency policy and guidelines. • Crew was proficient at conducting field maintenance of chainsaws and carried appropriate tools and parts to make basic repairs. 	Comments	
	Contact Phone #	

ASSIGNMENT	Reviewer's Name:	Reviewer's Crew:
Working with Other Crews, Adjoining Forces and Cooperators	Comments	
<p>Leading Up:</p> <ul style="list-style-type: none"> • Ability to provide resources from the crew to meet incident objectives. (IE: DIVS, DOZB, ENGB and other) • Ability to provide intelligence gathering for operations, division, the situation unit to help develop objectives or strategy. • Crew demonstrated leadership skills and collaboration when working with adjoining forces and or cooperators. • Crew communicated tactical objectives and goals for the completion of assignments. • Crew understands the capabilities and limitations of non Type I IHC when conducting fire assignments. • Crew maintained professionalism when working with Type 2 crews, contract crews, military crews and inmate crews during fire assignments. • Crew maintained prompt and dependable communication with adjoining forces and or cooperators. • Crew executed assignment while understanding cultural differences and abilities of other crews. • Crew shared awareness of critical situations and hazards with other crews while performing assignments. • Crew demonstrated ability to assist and or work with adjoining forces or cooperators while conducting engine company operations. • Hoselays • Fold-a-tank • Portable pumps • Mop-up • Hose recovery 	<p>Contact Phone #</p>	