

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

**PRIOR TO BEGINNING ANY HELICOPTER OPERATION A THOROUGH SAFETY BRIEF
WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST:** *Fresno / Belch Camp*

- ☐ SAFETY BRIEF SIGN IN *2.10.2022*
- ☐ GHI CREW INTRODUCTION *PPE 2200264*
- ☐ IS A TRANSLATOR REQUIRED *Non-cap*
- ☐ WORK STOP AUTHORITY *HEC VEG Removal Support*
- ☐ DESIGNATE A 911 CALLER *BHT 407*
- ☐ IDENTIFY CLOSEST EMERGENCY MEDICAL SERVICES
- ☐ CREW FATIGUE AND HYDRATION
- ☐ HELICOPTER LIFT LIMITATIONS
- ☐ HAZMAT WILL OR WILL NOT BE CARRIED ON THE HOOK
- ☐ NON GHI EMPLOYEES WILL NOT APPROACH HELICOPTER WITH ROTORS ENGAGED
- ☐ HELICOPTER HAZARD AREA (TAIL/MAIN ROTOR)
- ☐ EFFECT OF ROTOR DOWN WASH ON LOAD

DUST MASK: BURN AREA, DUST, POLLEN EXPOSURE

- ☐ HELICOPTER DOOR REMOVAL AND FIRE EXTINGUISHER LOCATION
- ☐ PPE REQUIREMENTS (GLOVES, EYE PROTECTION, HARD HAT WITH CHIN STRAP)
- ☐ PILOT/GROUND CREW COMMUNICATIONS/ LOST COMMUNICATIONS

PROCEDURES

- ☐ POTENTIAL STATIC CHARGE CAUSED BY HELICOPTER
- ☐ SITE PLAN /FLIGHT PATH
- ☐ FALL, PINCH, CRUSH DANGER POINTS
- ☐ RIGGING OPERATIONS CONNECTING AND DISCONNECTING CRANE HOOK AND SPREADER BAR HOOK
- ☐ PROPER SECURING OF EQUIPMENT / TOOLS IN SUPER SACK AND ON LONG LINE
- ☐ STREET CLOSURE / EVACUATION USE DIAGRAM TO ENSURE ALL HOMES ARE CLEAR
- ☐ NO CELL PHONES OR CAMERA USED BY GROUND CREW



HELICOPTER HEC OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER HEC OPERATIONS A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST THIS DOES NOT SUPERSEDE INITIAL HEC TRAINING REQUIREMENTS

- ☐ CONDUCT STANDARD HELICOPTER LIFT SAFETY BRIEF PRIOR TO HEC SAFETY BRIEF
- ☐ HEC SAFETY BRIEF SIGN IN
- ☐ INITIAL HEC TRAINING VERIFIED ISSUE STICKER DISPLAYED ON HELMET
- ☐ WORK STOP AUTHORITY
- ☐ PPE REQUIREMENTS (HELMETS, EYEWEAR, GLOVES AND FOOTWEAR)
- ☐ HARNESS, FITMENT, CONDITION AND LOAD LIMIT
- ☐ PROPER USE OF ATTACHMENT EQUIPMENT (CARABINERS)
- ☐ BUDDY /SELF CHECK
- ☐ COMMUNICATIONS REQUIREMENTS VIA RADIO OR HEAD AND HAND SIGNALS (RADIO WILL BE TETHERED OR SECURED)
- ☐ NO EQUIPMENT WILL BE TRANSPORTED DURING HEC
- ☐ HEC SHORT HAUL OPERATIONS PLAN, DAILY MISSION
- ☐ INSERTION POINT AND AREA HAZARDS
- ☐ HEC ATTACH ZONE AND WAITING AREA
- ☐ EMERGENCY PROCEDURES; ENGINE FAILURE, TR FAILURE, HOOK FAILURE, LINE ENTANGLEMENT)
- ☐ NO CELL PHONE OR CAMERA USED DURING HEC

Non-compliance with established procedures may result in your removal from the mission

Note: By signing this document you acknowledge you understood all items briefed to you and that you are responsible for insuring all loose items are secured when working under a helicopter.

[illegible]

AIRCRAFT	ENVIRONMENT	EXTERNAL LOAD
☐ Approach and departure ☐ Main/tail rotor hazards ☐ Safe cargo loading/unloading ☐ Loose articles: - Aircraft & LZ ☐ Hearing protection ☐ Door/seatbelt operation ☐ Headset/helmet/intercom ☐ Air-sickness ☐ In-flight emergencies Establish who will call 911 ☐ Location of: - First aid/survival kit - Fire extinguisher - Fuel and battery shut off procedure - Radios, ELT, SAT Phone ☐ Fueling Operations: - Duties & Safety Issues	☐ Weather conditions ☐ Wind direction ☐ Fuel ☐ Gross weight ☐ Terrain ☐ Landing zone hazards ☐ Density altitude ☐ Noise abatement ☐ Congested area plan ☐ Traffic/crowd control CRM ☐ COMMUNICATION IS CRITICAL ☐ Standardized language ☐ "Code Red" phrases ☐ Sterile cockpit ☐ Flight following/radio procedures ☐ Possible tasks for crew, e.g., switch/tune radios, maps ☐ Hazard awareness, e.g., birds, other hazards ☐ STOP work policy ☐ Re-brief in case scope changes ☐ <u>IMSAFE Acronym</u> Pilot fatigue mitigation must be briefed prior to work	☐ Ground crew PPE ☐ Long Line & Rigging Equipment Inspection ☐ Communication: Use of headset for lineman communicating with pilot ☐ Head/Hand Signals ☐ Pole set procedures: Brief how pole will be secured: 1) Taglines 2) Pikes 3) fill dirt ☐ Steps on pole ☐ Remote hook operations ☐ Ground crew hook up procedures ☐ Static discharge ☐ Emergency flyaway procedures ☐ Long line clearance (6'- 25'- 150% rule) ☐ No person under load ☐ Ground crew safety zone ☐ Pole removal with potential snag issues must be discussed ☐ Nylon straps (wood vs. glass) ☐ Load ratings (7:1 minimum) ☐ Dry Run/Play by play pole set Procedures ☐ Induced Voltage from: - Adjacent circuits, Underbuild, Parallel circuits etc. ☐ In case of Non-Company ground crew: Rigging procedures must be briefed ☐ No cell phone/camera use during external loads ☐ Essential crew only

22-00264 Request Summary



Requestor	Jared P Perry	Request Date	02/03/2022
LAN ID	jppb	Work Type	Lift Work
Phone	(661) 808-0885	Lift Work Type	HEC -
Cell	(661) 808-0885		Non-Energized
LOB	Electric GC Distribution	For Contractor	Yes
Vendor	Guardian Helicopters		Outback

Work Dates
02/10/2022 BELL 407

Approver	Superintendent Israel J Chavez (IJC2)	IJC2@pge.com	(C) (559) 240-9062
Foreman	Jared P Perry (JPPB)	(P) (661) 808-0885	(C) (661) 808-0885
Scope of Work	FRESNO COUNTY CAP- NIL DISPATCH NOTIFICATIONS- AUBERRY HYDRO USFS/NATIONAL PARK TERRITORY- SIERRA NATIONAL FOREST NOTIFICATIONS MADE- YES		

SCOPE- HEC contract brush clearing crew into Patterson Bluff LZ location from Balch Camp LZ. Once crew is on site, brush clearing tools (chainsaws, shovels, mcleods, etc.) will be flown to jobsite via approved cargo basket. Helicopter Specialist will fly to site with contract crew to measure and flag what needs to be cut. Once work is complete, all personnel will HEC back to Balch Camp LZ. PROJECT IS FOR TELECOM REPEATER AND CHARGED TO TELECOM, BUT HEC IS BEING PERFORMED BY OUTBACK.

LZ/WORK LOCATION INFORMATION
LZ- OK ON CEMENT, SOME STRUCTURES LESS THAN 300 FEET FROM LZ. LZ APPROVED FOR A TYPE 3 AIRCRAFT | DIAMETER VERIFIED 75 FEET

WL- OK ON THE SIDE OF A MOUNTAIN, LOTS OF TREES IN VACINITY

REQUESTOR TO ENSURE TRAFFIC MITIGATION IN PLACE

Daily Information

02/10/2022
Reason for Request in Less than 10 Days:
Break-In Work/Short Duration Scheduled Work
Asset Category: LIGHT
Asset Type: BELL 407
Locations

08:00 - LZ	BALCH CAMP COOKHOUSE	36 54.24'N 119 07.05'W	<no headquarters>	<no county>	3000 ft
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22-00264 Request Summary

Dust/Snow Mitigation Plan: ---

--- - Work Location

Repeater 36 54.79'N <no headquarters> <no county> 4631 ft
119 03.99'W

Dust/Snow Mitigation Plan: ---

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	600.0 lbs
Special Equipment	Cargo Fly Baskets, HEC Gear, Grapple	Billing Number	70035941 100%
		Req. Notifications	---

Comments PROJECT IS FOR TELECOM REPEATER AND CHARGED TO TELECOM, BUT HEC IS BEING PERFORMED BY OUTBACK

Talk About #	108	Talk Group	108	Talk Radio #	108
CC Recipients	LLLO@PGE.COM;WLR4@pge.com				

22-00264 - February 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
30	1	2	3	4	5	
6	8	9	10	11	12	
			08:00 -16:00 BELL 407 BALCH CAMP.. 36 54.24'N 119 07.05'W			
13	15	16	17	18	19	
20	22	23	24	25	26	
27	1	2	3	4	5	
6	8	9	10	11	12	
13						



SECTION 7
Part 135 GH 4A Part 133 GH 4L
NON Congested Area Plan

Operator: Guardian Helicopters, Inc
67 D STREET Phone (818) 442-9904
Fillmore CA. 93015 FAX (818) 442-9901
PROJECT: PG&E HEC REVEG WORK ORDER #: 22-00264
ADDRESS: VOMAC RD CITY : BALCH CAMP STATE: CA
SEE KMZ FILE

CONTACT REQUESTOR: ISRAEL CHAVEZ PHONE#: 559-240-9062
CONTACT FORMAN: JARED PERRY PHONE#: 661-808-0885
PILOT'S NAME(S):

1. JOHN OLSON CERT #: 2769166
2. BUCKEY MACKAY CERT #: 2778051
3. MICHAEL KLINK CERT#: 3018828
4. IAN GOODALE CERT#: 3741973
5. ROSS GOULET CERT#: 3396777

TYPE OF AIRCRAFT:

BELL 407 N# N447GH A/C CATEGORY: STANDARD
BELL 407 N# N407GH A/C CATEGORY: STANDARD
AIRBUS AS350B2 N# N498 PT A/C CATEGORY: STANDARD

IF SAFETY DICTATES AND OR THE CUSTOMER REQUESTS ADDITIONAL LIFTS THE LIFTS
WILL BE CONDUCTED REMAINING WITHIN THE APPROVED TIME PARAMETERS.

TYPE OF LIFTS: HEC, CARGO LOAD: EXT CL B
TYPE OF ITEM LIFTING: ☐ AERODYNAMIC ☒ NON- AERODYNAMIC LONG LINE: (NO) XXX (YES)
LESS 200 FT (LENGTH) OPERATIONAL ALTITUDE: < 500 AGL STREET CLOSING: (NO)
XX (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
2-10-2022	SUNRISE	SUNSET	2-5-2022
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
FRESNO COUNTY SHERIFF	559-332-2226	DISPATCH	NOTIFIED
FRESNO COUNTY FIRE DEPARTMENT	559-493-4300	STATION 84	NOTIFIED
PIEDRA CAL FIRE STATION	559-787-2444	DISPATCH	NOTIFIED

Evacuation

Crowd Control

Street Closure

☒ No Evacuated Structures

☒ Operator

☐ Yes ☒ No

☐ Evacuated Structures

☒ Contractor

☒ Contractor

☐ Operator



LIST OF BUILDINGS THAT SHALL BE UNOCCUPIED DURING OPERATIONS:

BUILDING DESCRIPTION/ADDRESS	REMARKS	METHOD
ALL HOMES WITHIN RED OPERATING AREA	VACANT DURING OPS	HAND DELIVER
SEE DIAGRAM = VACANT	VACANT DURING OPS	HAND DELIVER

Narrative description of pick-up site, route, delivery site, and plan for ceasing operation if unauthorized persons enter operational area or real hazard occurs.

SITE INSPECTION NOTES

ONLY PERSONNEL ESSENTIAL TO COMPLETING THE JOB SAFELY WILL BE PERMITTED TO PARTICIPATE IN THE EVOLUTION. ONLY PERSONNEL PARTICIPATING IN THE SAFETY BRIEF WILL BE PERMITTED TO BE IN THE AREA OF OPERATIONS. ONLY AUTHORIZED ESSENTIAL PERSONAL WILL BE PERMITTED IN THE IMMEDIATE AREA OF OPERATIONS. IN THE EVENT AN UNAUTHORIZED PERSON ENTERS THE OPERATIONS AREA OR A POTENTIAL HAZARD IS IDENTIFIED THE PILOT WILL HOLD THE AIRCRAFT IN RELATIVE POSITION. THIS WILL BE ACHIEVED WITHOUT OVER FLYING THE GROUND CREW. ALL OPERATIONS WILL BE CEASED UNTIL THE PROBLEM IS RECTIFIED. IN THE EVENT OF AN AIRCRAFT EMERGENCY, THE PILOT WILL RADIO GROUND PERSONNEL AND WILL ATTEMPT TO LAND IN THE EMERGENCY LANDING AREA. DURING THE LIFT EVOLUTION THE AIRCRAFT AND GROUND CREW WILL ALL BE IN RADIO COMMUNICATIONS. IN THE EVENT OF LOSS COMMUNICATIONS, THE CREW WILL USE STANDARD HAND SIGNALS TO COMMUNICATE WITH THE PILOT. WHEN THE PILOT IS CLEAR HE WILL MOVE THE AIRCRAFT TO A SAFE LOCATION TO ALLOW THE COMMUNICATION PROBLEM TO BE RECTIFIED. THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

PRIOR TO BEGINNING OPERATIONS, A TAILBOARD SAFETY BRIEF WILL BE CONDUCTED.

- 1. HELICOPTER WILL LAND AT THE LANDING ZONE TO CONDUCT TAILBOARD AND HEC TRAINING .
- 2. THE EQUIPMENT WILL BE STAGED AT THE LZ
- 3. TAILBOARD AND HEC TRAINING WILL BE CONDUCTED AT LANDING ZONE
- 4. WATER TRUCK IS REQUIRED AT LANDING AREAS
- 5. NO EVACUATIONS
- 6. NO STREET CLOSURES
- 7. TREE TRIMMING IF REQUIRED

LEGEND

SITE PLAN SYMBOLS: EVACUATION FLIGHT PATH		
LANDING AREA = (LZ)	STREET BLOCKED = XXXX	TOP TWO FLOORS = UBT2
ATTACH AREA = (A)	RELEASE AREA = (R)	
FLIGHT PATH = >>>	EMERGENCY LAND = (ELZ)	
UNOCCUPIED BUILDING = (UB)	UNOCCUPIED BUILDING TOP FLOOR = (UBT1)	



2-5-2022
DATE OF SUBMISSION

Jeffrey M. Teubner
COMPANY OFFICIAL / TITLE
Jeffrey M. Teubner Flight Coordinator