

GUARDIAN

HELICOPTERS, INC.

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER OPERATION A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST:

- ☐ SAFETY BRIEF SIGN IN *Glen Oak 8-2-2019*
- ☐ GHI CREW INTRODUCTION *LI 45CL1*
- ☐ IS A TRANSLATOR REQUIRED *Non-cap*
- ☐ WORK STOP AUTHORITY *L2*
- ☐ DESIGNATE A 911 CALLER *TO 1305976*
- ☐ 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

Tailboard & Helicopter Safety Briefing

Pilot:

Location:**Aircraft:**[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: o First aid/survival kit o Fire extinguisher o Fuel and battery shut off procedure o 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	☐ 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.
	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	☐ In case of Non-Company ground crew: Rigging procedures must be briefed ☐ No cell phone/camera use during external loads ☐ Essential crew only



SOUTHERN CALIFORNIA
EDISON
An EDISON INTERNATIONAL Company

SCE Aircraft Operations Flight Request Form

Instructions: Please complete this form in its entirety and email to: airops@sce.com or fax to 909-974-4678. Once this form is received by Aircraft Operations, you will receive a response within 24 hours. For questions call SCE Aircraft Operations Dispatch at PAX 11676.

Requestor Information

Flight requested by:*	JOHN WHARTON
Department:*	DIVERSIFIED UTILITY
Pax:*	00000
Cell Number:*	661 864-6051
Email Address:*	whartonj@dusi1.com

SAP Accounting Number* TD1305976 OAK GLEN

Flight Description

Please choose a mission type:

- | | | |
|---|--------------------------------------|---|
| ☐ Camera – HD/IR | ☐ Line String | ☒ Pole-set |
| ☐ Crew support | ☐ Passenger | ☐ Recon |
| ☐ External Load | ☐ Patrol | ☐ Training |
| ☐ HEC | ☐ Photo | ☐ Need more info, please contact |

Mission specific details (ex: Passenger name, pole size/weight, external load type, etc):

R&R DET POLE 1610085E , 45 CL-1 (wt: 1697) contact John Wharton G.F. for pre-con mtg

General Operating Location	39325 RASPBERRY LN X PISGAH PEAK RD , OAK GLEN
District	REDLANDS 31#
LZ Coordinates (if known)	N34 02 31.89 W116 56 44.69
Pick-up location for passenger flights	
Drop-off location for passenger flights	

Date(s) for which service is requested	MAY 24 2019
Time of Pick-up	0800
Approx. mission duration (if known)	0800-1200
Back-up date for mission (if known)	

Authorizer	PAUL WILLIAMSON PGS SCE
Authorizer PAX and cell number	909 557-0086

**required information*

[Click to e-mail form](#)

For office use only

Date Received by Aircraft Operations: _____ Date Initial Contact Made: _____

Referred to contractor: ☐ No ☐ Yes, Date: _____ Company: _____

Follow up status: ☐ Week 1 _____

☐ Week 2 _____

☐ Week 3 _____



SECTION 7

Part 135 GH 4A Part 133 GH 4L NON-Congested Area Plan

Operator: Guardian Helicopters, Inc
67 D Street
Fillmore CA 93015
Phone (818) 442-9904
FAX (818) 442-9901

PROJECT : EDISON POLE REPLACEMENT WORK ORDER #: TD 1305976
ADDRESS: 39325 RASPBERRY LANE : OAK GLEN CA
LZ POS : LATITUDE 34°02' 32.11"N LONGITUDE 116° 56' 44.93" W ELV 4800 FT
1610085E LATITUDE 34° 2'30.22"N LONGITUDE 116°56'49.52"W ELV 5000 FT
CONTRACTOR'S NAME: JOHN WHARTON PHONE#: 661-864-6051
ON SITE CONTACT: JOHN WHARTON PHONE#: 661-864-6051
PILOT'S NAME(S): 1. JOHN OLSON CERT #: 2769166
2. BUCKEY MACKAY CERT #: 2778051
3. MARTIN RODRIGUEZ CERT #: 3555121
4. MICHAEL KLINK CERT# 33018828

TYPE OF AIRCRAFT: BELL UH-1H N# N711GH A/C CATEGORY: RESTRICTED
BELL UH-1H N# N214KK A/C CATEGORY: RESTRICTED
BELL 205A1 N# N216GH A/C CATEGORY: STANDARD
BELL 407 N# N407GH A/C CATEGORY: STANDARD
AS350 B2 N# N498PT A/C CATEGORY: STANDARD
AS350 B3 N# N718GH A/C CATEGORY: STANDARD
AS350 B3 N# N215GH A/C CATEGORY: STANDARD

TYPE OF ITEM LIFTING: POLES / EQUIPMENT / TOOLS / DEBRIS ☐ AERODYNAMIC ☒ NON-AERODYNAMIC

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

TYPE OF LIFTS: POLE 1↓ 45 FT CL 1 1700 LBS 1↑ 45 FT CL 1 1700 LBS

MAX SINGLE – LIFT WEIGHT: 1500 LBS CLASS OF LOAD: EXTERNAL LONG LINE: LESS
THEN 100 FT + 45 FT LOAD (LENGTH) OPERATIONAL ALTITUDE: < 250 STREET CLOSING: XX
(N0) (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
8-2-2019	SUNRISE	SUNSET	8-2-2019
CROWD CONTROL			
OWNER:	XXX	CONTRACTOR:	XXX
OPERATOR:	XXX	SECURITY:	
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
GLEN OAKS STATION 555	909-387-5940	DISPATCH	NOTIFY
YUCAIPA POLICE DEPARTMENT	909-918-2305	DISPATCH	NOTIFY



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BUILDING DESCRIPTION/ADDRESS	REMARKS	METHOD
NONE	VACANT DURING OPS	HAND DELIVER
ALL HOMES WITHIN OPERATING AREA	VACANT DURING OPS	HAND DELIVER
SEE DIAGRAM = V	VACANT DURING OPS	HAND DELIVER





NON- Congested Area Plan (Continued)

Operator: Guardian Helicopters, Inc
67 D Street
Fillmore CA 93015
Phone (818) 442-9904
FAX (818) 442-9901

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.

1. HELICOPTER WILL LAND IN THE STAGING / FUEL AREA AT THE END OF RASPBERRY CT AND CONNECT THE LONGLINE
2. IF REQUIRED FUELING WILL ONLY BE CONDUCTED AT THE STAGING AREA
3. EMERGENCY LANDING ZONE IS AT THE STAGING AREA AND ALONG THE FLIGHT PATH
4. REMOTE AREA ONE BARN IS WITHIN THE OPERATING AREA .
5. WATER TRUCK NOT REQUIRED
6. DRIVEWAY AT RASPBERRY CT WILL BE CLOSED AT THE ENTRANCE
7. EQUIPMENT WILL BE STAGED AT THE LANDING ZONE
8. HOME OWNERS WILL BE REMINDED TO SECURE ANY LIVE STOCK IN THE OPERATING AREA.
9. HOMEOWNER WILL REMAIN IN THEIR HOMES DURING THE OPERATION

7-29-2019

DATE OF SUBMISSION

COMPANY OFFICIAL / TITLE







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 = (UBA)	UNOCCUPIED BUILDING TOP FLOOR = (UBT1)	

AREA SURVEY CONDUCTED BY : Jeffrey M. Jentura

* NOTES: JOINT POLE
COMPOSITE POLE
ENVIRO POLE - WOODPECKER DAMAGE
BULLETIN 322 AREA
EAGLE ZONE
HAND SET
SET 1' NORTH

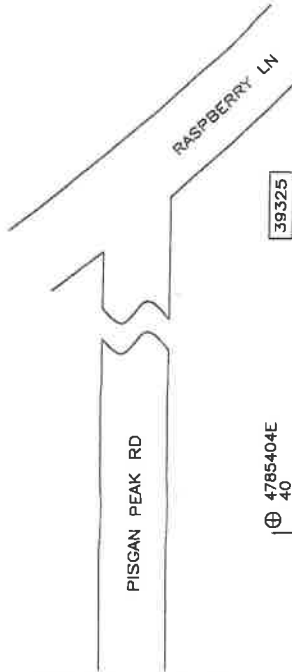
1 RM 40' 1610085E Class C5
RM: 1- POLE 40' CLASS 5 WOOD FULL TREAT
RM: 1- XA SINGL FB 10" STEEL PINS
RM: 2- INS POLY W/VERTICAL PIN 25KV UNIV CLMP

TRANSFER (S):
2/C 4A-12KV

2/C 4A-12KV @ 37'

COMPL @ 20'

PROPOSED
L/N
1610085E



4785404E 40

N 34° 02' 30.3"
W 116° 56' 49.5"
ELEVATION: 4,944'

POLE 1610085E Class C5

IN: 1- POLE 45' CLASS 1 RS COMP SEC POLE
IN: 1- XA SINGL TAN HD COMP 10" W/BKT
IN: 2- INS POLY W/PIN 12KV CLMP #4-653 ACSR

WT: 1697 LBS



NOT TO SCALE

PROJECT REQUIREMENTS (Y/N)	
EDISON EXEMPT REQUIRED	☐
PERM REQ REQUIRED	☐
PERMIT REQUIRED	☐
OUTAGE REQUIRED	☐
OUTAGE DATE: _____ TIME: _____	
TRAFFIC CONTROL REQUIRED	☐
PED. TRAFFIC CONTROL REQ'D	☐
CONVEYANCE LETTER REQ'D	☐
ENVIRONMENTAL CLEARANCE REQ'D	☐
CSD 140 (TUM) REQ'D	☐

DISTRICT 31 - REDLANDS	PROJ. MGR. LIVINGSTON, JASON PHONE 714-323-3041	PLANNER ASP PHONE 714-893-2405	DESIGNER ASP
PROJECT NO. 1477720	SERVICE REQUEST 2391258	PRODUCT-1 1305976-INFRA REPLAC - DET POLE REPLACEMENT	ASSOC DESIGN
CIRCUIT / VOLTAGE OAK GLEN 12KV	THOMAS GUIDE	PRODUCT-2	ASSOC DESIGN
SUB / PG NO. YUCAIPA SUB	CIRCUIT CODE	PRODUCT-3	ASSOC DESIGN
INVENTORY MAP 198-2319-1	J.P.A. NO. 408828261	PROPOSED CONSTRUCTION (LOCATION) 1610085E	
		39325 RASPBERRY LN	
		OAK GLEN, CA	
TYPE	DATE	APPROVED BY	CHECKED BY
		ASP	
Southern California Edison Company			
SHEET			DESIGN DURING NO.
957782			0.01