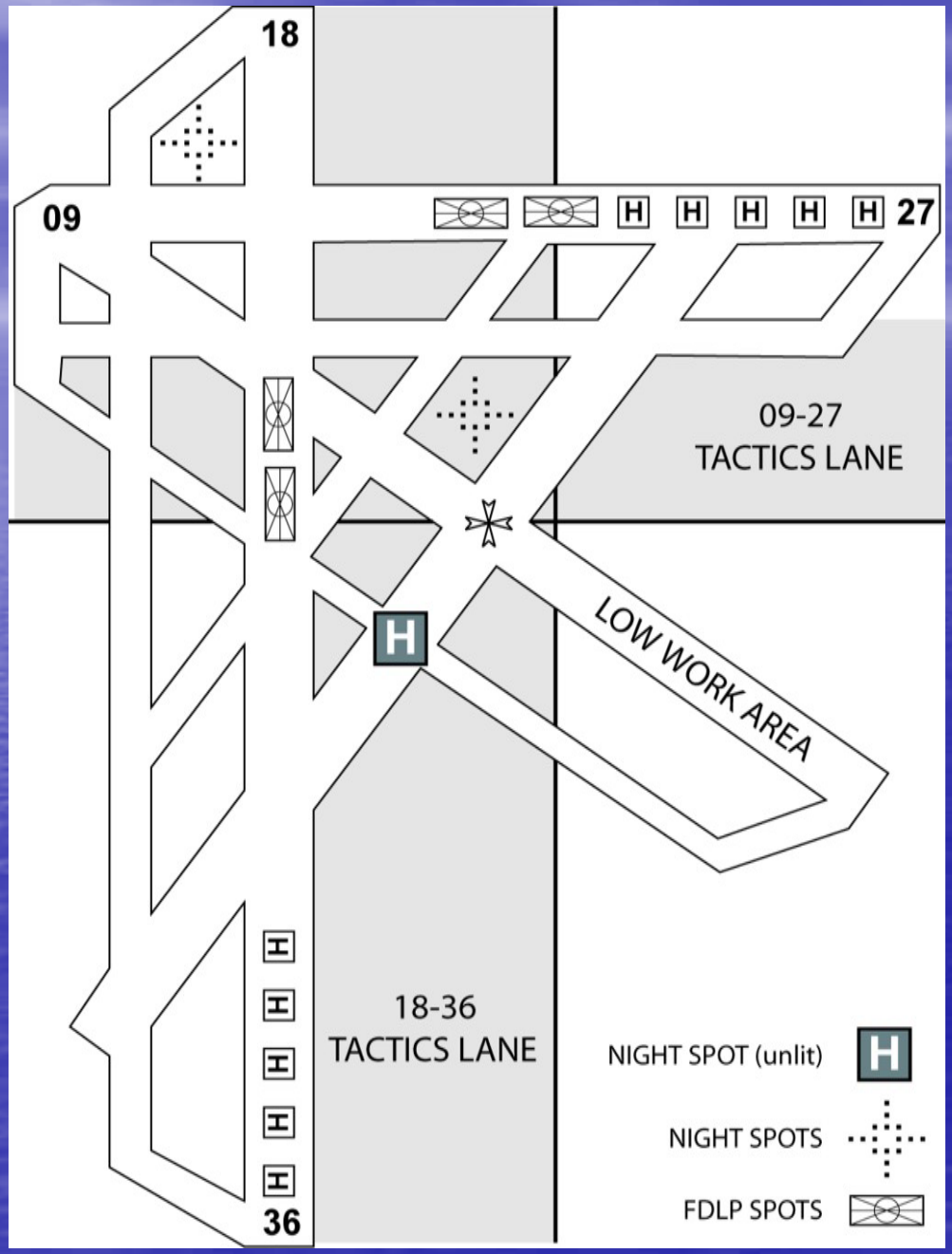
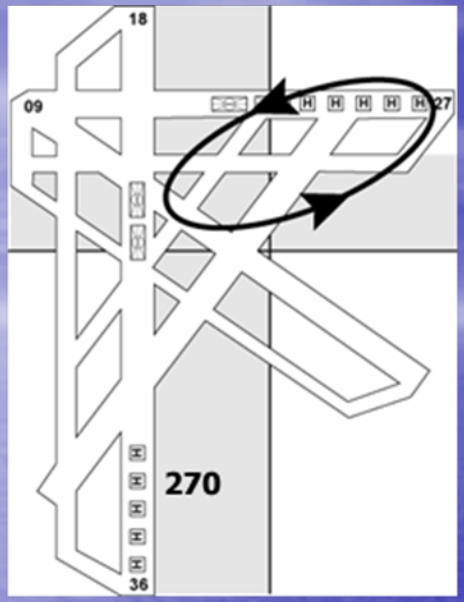
HELICOPTER LANDING TRAINER
HLT-1 IX-514
PENSACOLA, FLORIDA

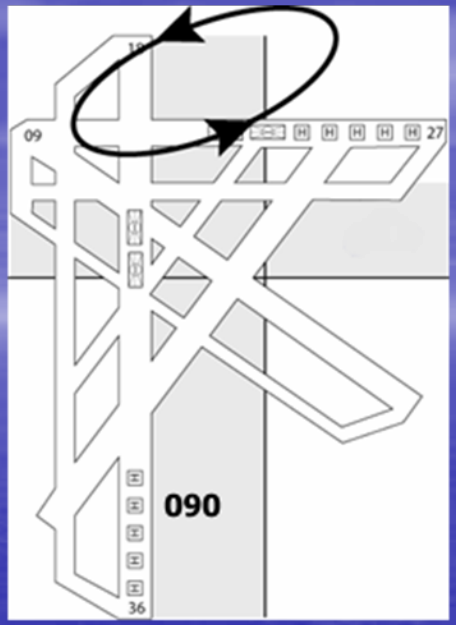
HELLIONS
HELTRARON 28

REV. AUG 07

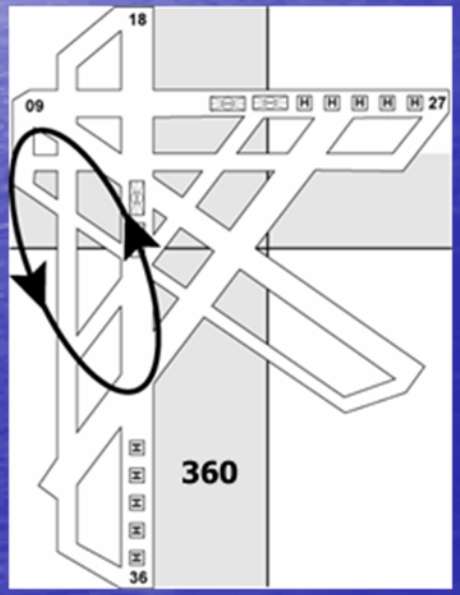
“BAY LANDER”
IX-514

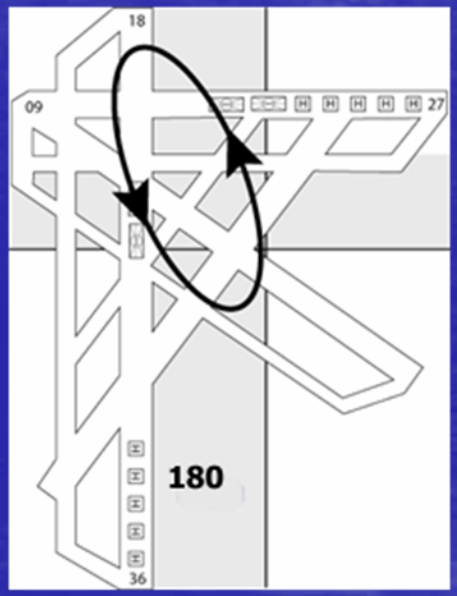

18
09
27
09-27
TACTICS LANE
LOW WORK AREA
18-36
TACTICS LANE
36
NIGHT SPOT (unlit)
NIGHT SPOTS
FDLP SPOTS





ALWAYS LEFT PATTERNS

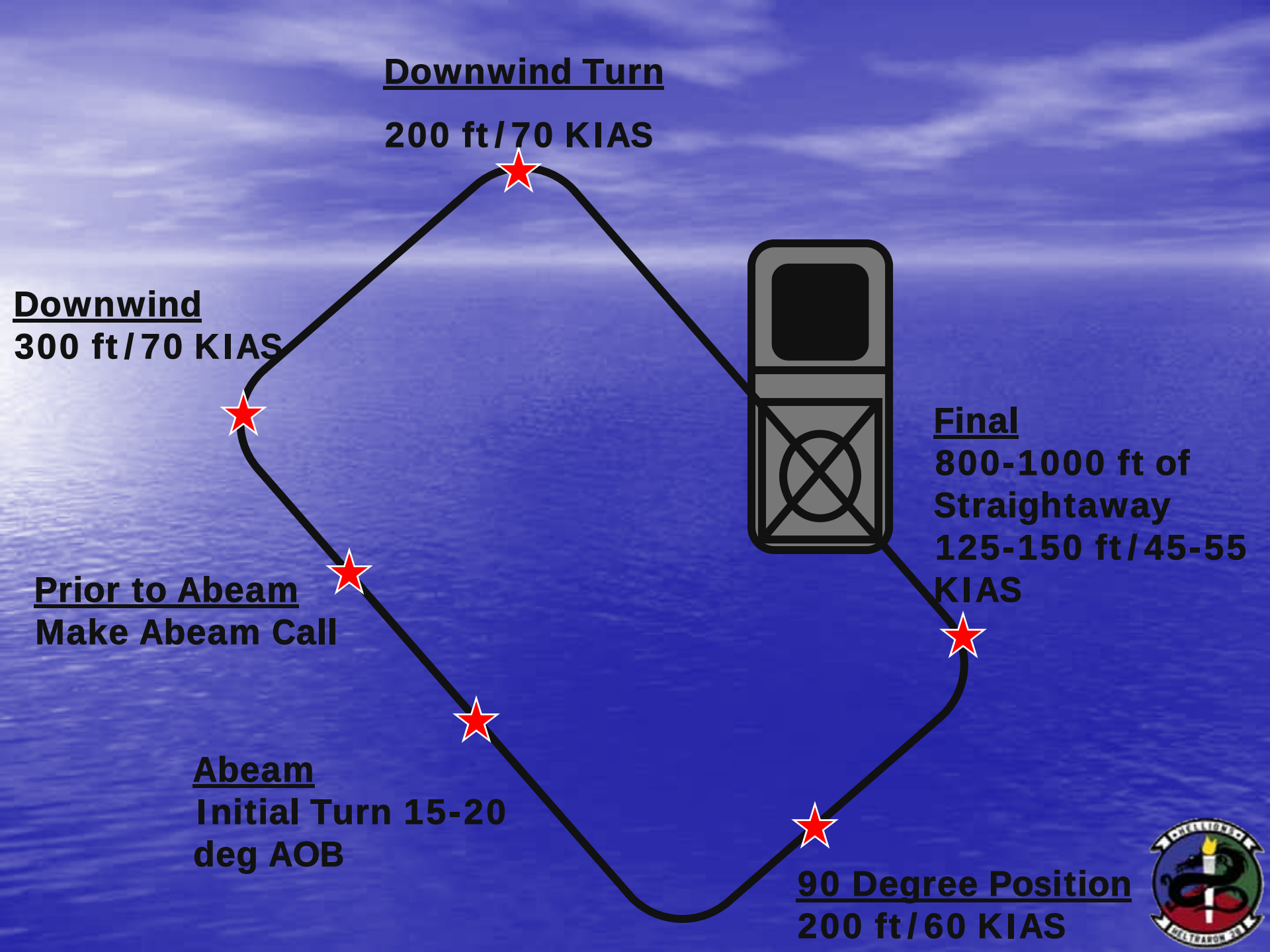




FDLP/FCLP Spot Line-Up

SHIP QUALS

- PATTERN
  - SANTA ROSA
  - IX-514 “BAYLANDER”
    - 22 deg offset COURSELINE / BRC
    - CROSSWIND: 200 AGL / 70 KIAS
    - DOWNWIND: 300 AGL / 70 KIAS
    - 90: 200 AGL / 60 KIAS
    - FINAL: 150 AGL / 50 KIAS


Downwind Turn
200 ft/70 KIAS
Downwind
300 ft/70 KIAS
Final
800-1000 ft of
Straightaway
125-150 ft/45-55
KIAS
Prior to Abeam
Make Abeam Call
Abeam
Initial Turn 15-20
deg AOB
90 Degree Position
200 ft/60 KIAS

On Final

Over the Deck Edge

Landing

Lift, Slide, and Depart

LSE SIGNALS

SIGNAL	DAY	NIGHT	REMARKS
(5) MOVE TO LEFT	Right arm extended horizontally sideways in direction of movement and other arm swung over the head in same direction, in a repeating movement.	Same as day signal with addition of wands.	
(6) MOVE TO RIGHT	Left arm extended horizontally sideways in direction of movement and other arm swung over the head in the same direction, in a repeating movement.	Same as day signal with addition of wands.	
(6) TURN TO LEFT	Point right arm downward, left arm is repeatedly moved upward - backward. Speed of arm movement indicates rate of turn.	Same as day signal with addition of wands.	Also used for spot turns for airborne aircraft. Conforms to ICAO signal.
(7) TURN TO RIGHT	Point left arm downward, right hand repeatedly moved upward - backward. Speed of arm movement indicating rate of turn.	Same as day signal with addition of wands.	Also used for spot turns for airborne aircraft. Conforms to ICAO signal.
(8) MOVE AHEAD	Arms extended from body and held horizontal to shoulders with hands upraised and above eye level, palms facing backwards. Execute beckoning arm motion angled backward. Rapidity indicates speed desired of aircraft.	Same as day signal with addition of wands.	

LSE SIGNALS

SIGNAL	DAY	NIGHT	REMARKS
① LANDING DIRECTION	Marshaler stands with arms raised vertically above head and facing toward the point where the aircraft is to land. The arms are lowered repeatedly from a vertical to a horizontal position, stopping finally in the horizontal position.	Same as day signal with addition of wands.	
② MOVE UPWARD	Arms extended horizontally sideways beckoning upwards, with palms turned up. Speed of movement indicates rate of ascent.	Same as day signal with addition of wands.	Conforms to ICAO signal.
③ HOVER	Arms extended horizontally sideways, palms downward.	Same as day signal with addition of wands.	Conforms to ICAO signal.
④ MOVE DOWNWARD	Arms extended horizontally sideways beckoning downwards, with palms turned down. Speed of movement indicates rate of descent.	Same as day signal with addition of wands.	Conforms to ICAO signal.
⑨ LAND	Arms crossed and extended downwards in front of the the body.	Same as day signal with addition of wands.	Conforms to ICAO signal.

LSE SIGNALS

SIGNAL	DAY	NIGHT	REMARKS
(9) STOP	Arms crossed above the head, palms facing forward.	Same as day signal with addition of wands.	
(8) WAVE OFF	Waving of arms over the head.	Same as day signal with addition of wands.	
(32) READY FOR TAKEOFF (pilot)	Gives "thumbs up" signal at eye level. Aircraft lights steady bright.	Places running and formation lights on "steady dim." May give "thumbs up" signal by turning on flashlight or other moveable lights and moving it up and down.	
SIGNAL	**DAY**	**NIGHT**	**REMARKS**
(33) READY FOR TAKEOFF (LSE)	FACES FLY CONTROL. Holds right thumb up at eye level; holds left fist at eye level.	Signal not required. Pilot's "steady dim" indicates readiness to Fly Control.	The air officer shall signal authority for launch of helicopters by illuminating a green rotating beacon in addition to the rotating yellow beacon.
(35) TAKEOFF	Director conceals left hand and makes circular motion of right hand over head in horizontal plane ending in a throwing motion of arm towards direction of takeoff.	Same as day signal with addition of wands.	

LSE SIGNALS

SIGNAL	DAY	NIGHT	REMARKS
(49) LIGHTS	Points to eyes with two fingers to signal "lights on."	Flashing wands.	When lights are already on, same signal is used to signal "lights off."
(15) PERSONNEL APPROACHING THE AIRCRAFT	Left hand raised vertically overhead, palm towards aircraft. The other hand indicates to personnel concerned and gestures towards aircraft.	Same as day signal with addition of wands	
(36) ENGINE FIRE	Describes a large figure eight with one hand and points to the fire area with the other hand.	Same except with wands.	Signal is meant for information only. Pilot should be given a cut engine or continuous turn-up signal, as appropriate.
(39) HOLD POSITION	Makes clenched fists at eye level.	Hold crossed wands (any color) overhead.	Signal is mandatory.

TERMINOLOGY

- Base Recovery Course (BRC) - Magnetic Heading of Ship
- Foxtrot Corpen - True Heading of Ship / Fleet Course, (PIM) Point of intended movement
- Mother - Ship
- Father - Ships TACAN
- Angels - 1000's of feet
- Cherubs - 100's of feet
- Pigeons - Bearing/Distance From Ship
- Parrot - IFF/Transponder

PUBLICATIONS

- NAVAIR 00-80T-122: Helicopter Operating Procedures for Air Capable Ships
- Shipboard Aviation Facilities Resume
- LHA/LPH/LHD NATOPS MANUAL
- CV NATOPS

ADDITIONAL

- Overhead Time
- Wind Direction and Speed
- Deck Spotting
- Radio Discipline
- Lost Communications

3H
H-57 SURFACE 300
T-34 5000-9500
PENSACOLA SOUTH
MOA
NAS WHITING FIELD NORTH/60
HELICOPTER
NAS WHITING FIELD SOUTH/60
NOLF PACE
Wallace
Golf Course
pipeline
Milton
Roeville
PETER PRINCE/37
Substation
HELICOPTER
NOLF SPENCER
4 LANES DUAL
Industrial site
Industrial site
Tower
Floridatown
Waste Ponds
Mulat
Bagdad
Galt City
Powell Point
4200 FEET
1400 FEET
Steam plant
Building
University of West Florida
Riverview
BUCHANAN HELIPORT
WEST FLORIDA HOSPITAL
4200 FEET SURFACE
ESCAMBIA BAY
Gull Point
Gaberonne
GARCON FIELD AIRPORT/31/s
NOLF CHOCTAW/80
Alabama Hollow
A-292
White Point
Garcon Point
EAST BAY
PENSACOLA BAY
East Pensacola Heights
PENSACOLA
Class C Surface
3
EAST BAY
H-57 BELOW 500
Warrington
Gulf Breeze
Santa Rosa Shores
Oriole Beach
SANTA ROSA SOUND
Woodlawn Beach
INTRACOASTAL
GULF BREEZE HOSPITAL
Fair Point
Brosnaham Island
Blackwater
Weaver River
Catfish Basin
BLACKWATER BAY
Bayou Chico

Instrument Scan