

SSK

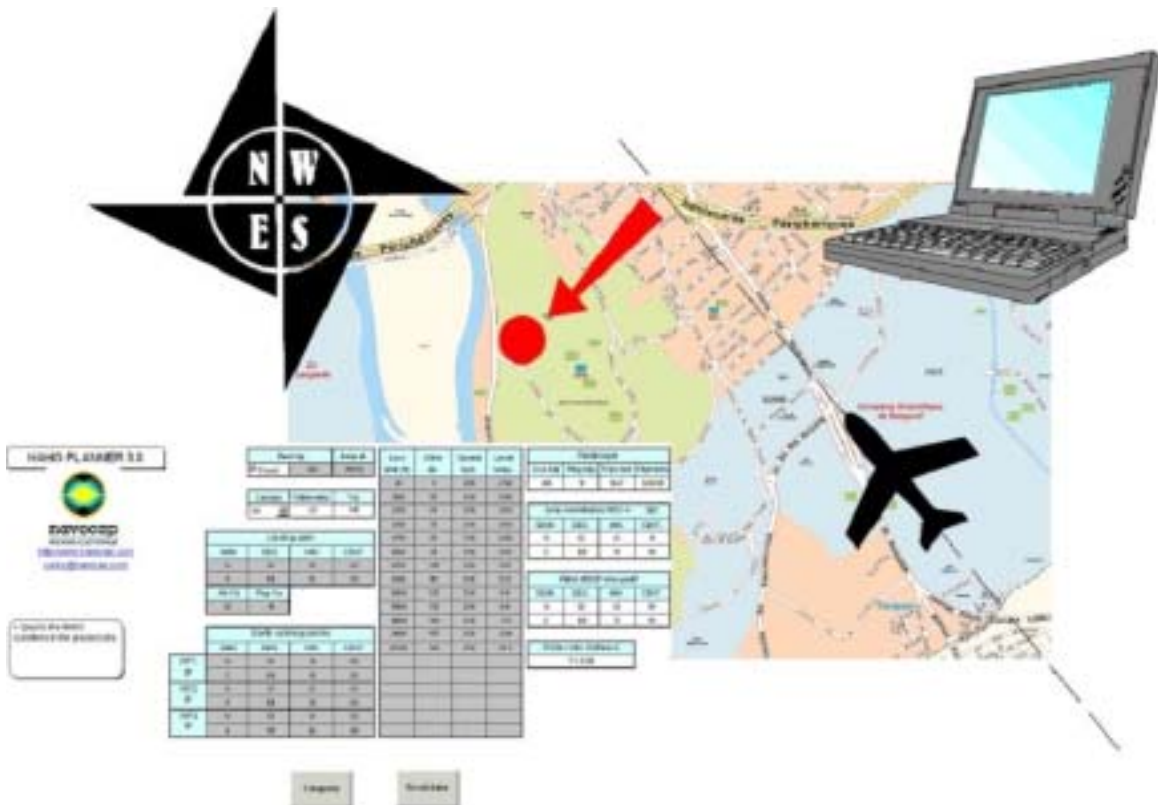
INDUSTRIES, INC.

Technology for Parachutists

MPS

Mission Planning Software

www.OPANAS.com



APPLICATION: The Mission Planning Software (MPS) is designed to prepare a High Altitude High Opening parachute mission. It takes in account all known parameters, like canopy performance, wind strength and direction at different levels, landing location and altitude and compute the coordinates of the release point, distance and flight duration. The program draws the flight path on a graphic screen and also programs OPANAS (see www.OPANAS.com).

SPECIFICATIONS:

- Compatible with Windows™ 2000
- Compatible with OPANAS™
- Adjustable to any RAM air parachute
- Usable at any location in the world
- Adapts to airplane constraints
- Up to 12 wind levels
- Up to 3 emergency rallying waypoints
- Possibility to integrate security altitude

COMPUTED DATA:

- Coordinates of release point
- Constant heading (magnetic and true value)
- Air waypoint (altitude, longitude, latitude)
- Flight path drawing (shape of the prepared route)
- Distance and duration of the flight

TRANSFER TO OPANAS:

This important feature allows the transfer of the computed route to the OPANAS with a single keystroke. The calculated route, waypoints and the flight path are automatically programmed into OPANAS.

HAHO PLANNER 3.9



True CONST HDG		Release alt. (ft)
<input checked="" type="checkbox"/> Fixed	275	25000

Canopy	Drag ratio	Rate of descent (ft/s)
Mac 3	4.7	13.5

Landing point			
SGN	DEG.	MIN.	SEC.
N	02	30	59
E	101	20	59
Alt. (ft)	Mag. Var.		
35	-10		

Wind			
level (ft)	dir (from)	speed (mph)	temp. (C)
30	5	25	27
1500	55	25	25
2250	65	29	25
3000	75	25	25
3750	85	25	25
4500	95	25	25
6000	105	25	21
9000	115	25	12
12000	125	25	6
15000	135	25	0
18000	145	25	-7
21000	155	25	-12

INPUT PARAMETERS:

- Coordinates of the target
- Aircraft flight altitude
- Wind forecast (freely adjustable levels)
- Security or landing altitude
- Magnetic variation
- Up to 3 emergency rallying waypoints
- Constant heading for fixed navigation (2nd path)
- Freely selectable canopy performance

Emergency waypoints				
	SGN	DEG.	MIN.	SEC.
EP1	N	02	31	59
	E	101	21	59
EP2	N	02	32	59
	E	101	21	59
EP3	N	02	33	59
	E	101	20	59

Canopy	Drag ratio	Rate of descent (ft/s)
G9	2.8	11.5
MC-5	3.17	16.7
Mac 3	4.7	13.5
Neutral	0	19.7

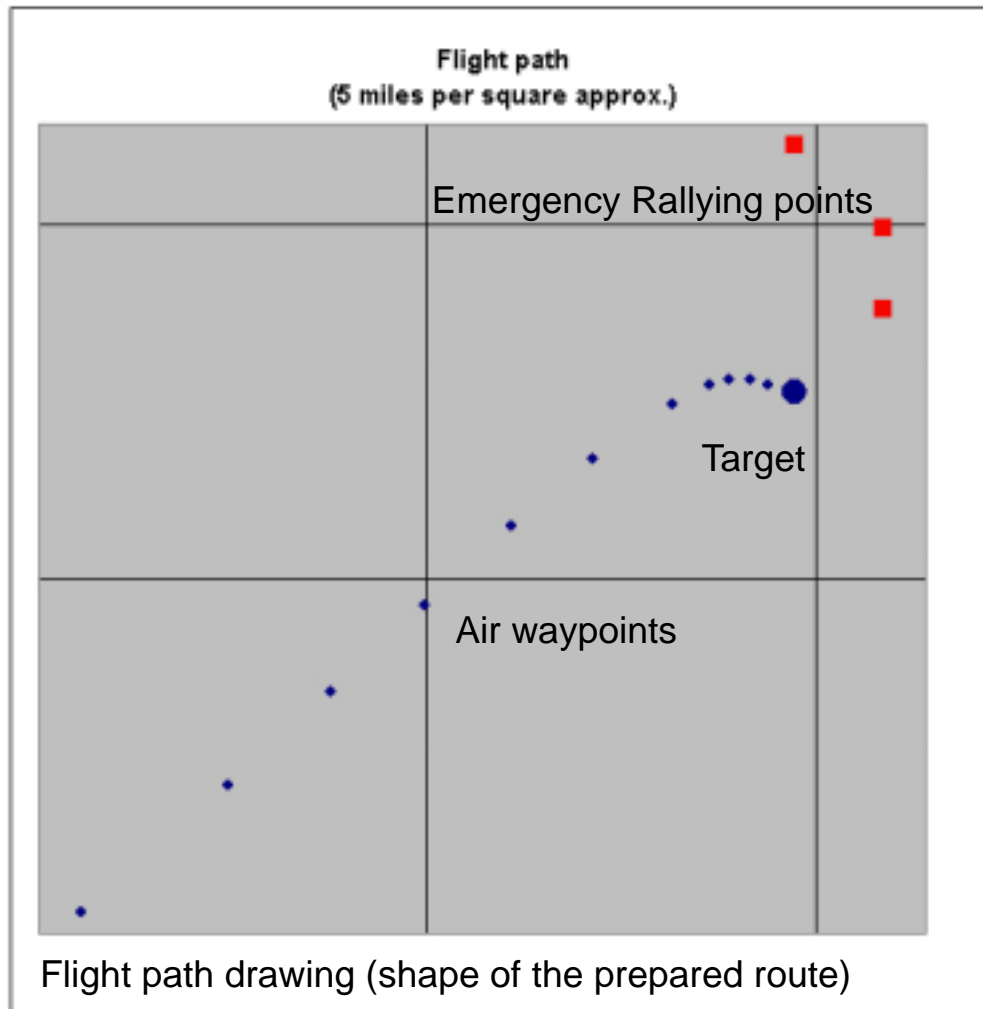
OUTPUT PARAMETERS:

- Coordinates of the release point
- Constant heading (magnetic and true value)
- Air waypoint (altitude, longitude, latitude)
- Distance and duration of the flight

Paratrooper flight				
Const. HDG		Glide		
True	Mag	Dist. (Nm)	Dist (Km)	Flight time
275	295	26.00	41.85	0:25:40

Average wind direction (from ...)	115
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Release waypoint							
SGN	DEG.	MIN.	SEC.	SGN	DEG.	MIN.	SEC.
N	02	25	55	N	02	25	917
E	101	42	58	E	101	42	833



SSK Industries, Inc. designs, manufactures, services and integrates advanced technologies parachute systems and equipment. Since 1991 SSK has been the Western Hemisphere Service and Support Center for the CYPRES AAD (Automatic Activation Device). SSK markets OPANAS, a GPS-based guidance system for HAHO jumpers, and has developed a complete mission training system utilizing ParaSim and OPANAS. SSK, originally a sport harness-container manufacturer featuring the Sweethog line, has been supplying parachute equipment to DZ's since 1983. SSK is a Sustaining Member of the Parachute Industry Association (PIA), a Corporate Sustaining Member of the SAFE Association and a Corporate Member of the National Defense Industry Association (NDIA).

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