

# **Intelligence information:**

The people living on the Snowpac chain require immediate aid. This has to be in place within 24 hrs to prevent the spread of disease.

RAF Brize Norton is the base for several aircraft, which can be loaded with all the required supplies and equipment for the mission.

They can all take off in exactly 3 hours from the start of Operation Earthquake.

Emergency supplies are already packed into crates.

Each crate contains enough food, water, and medical equipment for 50 people.



# Transport options:



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## Boeing C 17

Load: Maximum of 18 crates or a Chinook helicopter and equipment.  
Engines: Four Pratt and Whitney F117 turbofans.  
Wingspan: 165ft 0in (50.29m). Top Speed: 420mph.  
The crew consists of two Pilots and one WSOp (Cmn).  
Range: capable of reaching the Islands non-stop.

## Chinook HC2

Chinooks are used primarily for troops and load carrying.  
The cabin is large enough to accommodate 2 crates (broken down in order to fit within the space available) OR 3 crates externally (underslung) on hooks beneath the aircraft. Top speed: 180mph.  
Engines: Two Avco Lycoming turbo shafts. Range: 300 miles empty. 100 miles loaded. Crew: two Pilots, two WSOp (Cmn).



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# Transport options:

## Voyager Airbus A330

Voyagers are used primarily for troops and load carrying. Internal space is large enough to accommodate 20 crates.  
Engines: : 2 x RR Trent 700 jet turbines. Top speed: 540mph approx.  
Range: Range: 4000 – 7000 miles (dependant on load).  
Crew: 2 x Pilots, 1 x MSO, 8 X Cabin crew.



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## Hercules C130J

Load: Maximum of 8 crates OR 24 'airdrop' crates (smaller pallets capable of being dropped from a low height)  
Engines: Four Allison AE2100D3 Turboprops.  
Top Speed: 360mph approx.  
The crew consists of two Pilots and a WSOp Crewman.  
Range: 4000 miles.

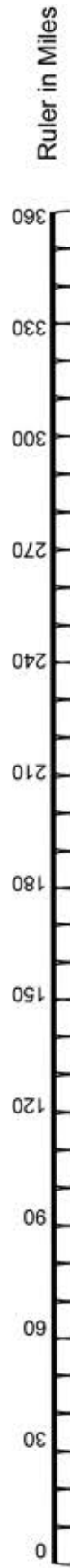
# VITAL INFORMATION SHEET

TIME

Aircraft	Speed (mph)	00:30	01:00	01:30	02:00	02:30	03:00	03:30	04:00	04:30	05:00	05:30
Chinook	180	90	180	270	360	450	540	630	720	810	900	990
Hercules	360	180	360	540	720	900	1080	1260	1440	1620	1800	1980
Boeing	420	210	420	630	840	1050	1260	1470	1680	1890	2100	2310
Voyager	540	270	540	810	1080	1350	1620	1890	2160	2430	2700	2970

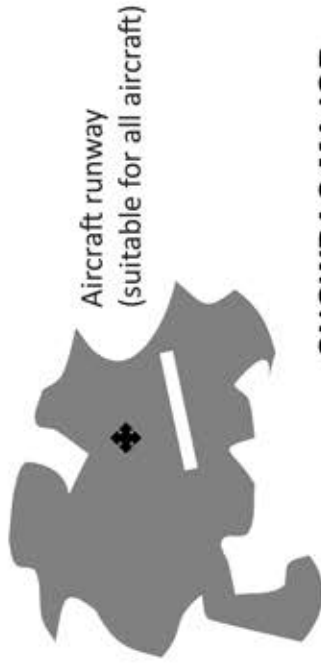
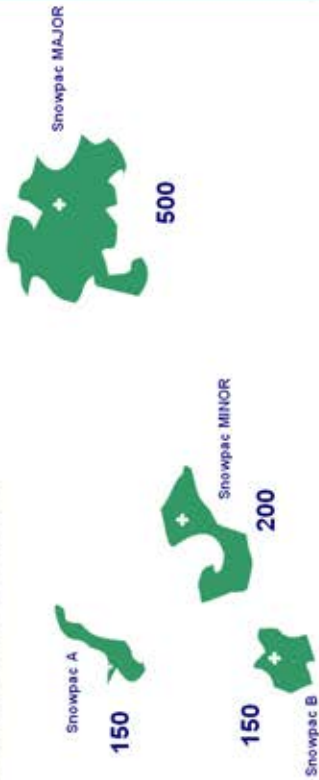
TIME

Aircraft	Speed (mph)	06:00	06:30	07:00	07:30	08:00	08:30	09:00	09:30	10:00	10:30	11:00
Chinook	180	1080	1170	1260	1350	1440	1530	1620	1710	1800	1890	1980
Hercules	360	2160	2340	2520	2700	2880	3060	3240	3420	3600	3780	3960
Boeing	420	2520	2730	2940	3150	3360	3570	3780	3990	4200	4410	4620
Voyager	540	3240	3510	3780	4050	4320	4590	4860	5130	5400	5670	5940



The crates must be distributed as fast as possible, so all the population have their supplies in place within 24 Hrs, to prevent disease and starvation until the rescue ship arrives.

The total population of the Snowpac Islands is 1000 people split up as shown.



**SNOWPAC MAJOR**



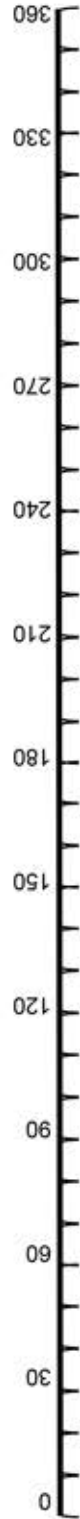
**SNOWPAC MINOR**



**SNOWPAC A**



**SNOWPAC B**



# **Mission information:**

The operation needs to determine the following, using your **LOGISTICS AND PLANNING** team members:

(a) which aircraft to use for the mission (you have a maximum of 2 of each aircraft type)

(b) how long it will take to reach all of the islands.

(c) how many crates of supplies need to be taken.

(d) how you will distribute the supplies to all of the islands.

During the planning stage for the mission, you will be required to provide statements and answer questions about the earthquake and planned mission to members of the press. This will require the input from your **LIAISON WITH THE PRESS** team members.

**As a WHOLE team**, you will be required to provide a summary of your plan at the end of the session.