

**Assessment Centre**

**Kaluna Airport**

**For the Candidate:**

The exercise:

Your team has been selected by the Emperor of Kaluna to submit a design for an airport on the Island of Kaluna. There are other groups who will also be submitting designs, and be aiming to win the contract to build the airport. This is an extremely lucrative contract, and one that would improve your companies profile if you win it. It is essential that your design and plans meet the specification of the Emperor so that you stand a good chance of winning the contract.

Stage 1      5 minutes.

Read the brief individually (do not discuss any thoughts you have at this stage) and make notes about your ideas.

Stage 2.      20 minutes.

Discuss with your group the design and construction of the airport (you may not start any construction at this point). Agree with the group the buildings that will be required, the design and layout of the airport and additional facilities.

Stage 3      20 minutes.

With the group build the airport using the materials provided; please make sure that all buildings are clearly identified.

Please ensure a member of your group is nominated as time keeper.

## **Kaluna Airport**

The Island is 35 miles in length, and 20 miles wide, located in the South Pacific about 500 miles off the East coast of Australia. The climate is warm, with an average of 8 hours sunlight a day. The Island has a rainy season in January – April, when there are also strong winds, although tropical storms can occur at any time during the year; however they seldom last more than 2 – 3 hours. The Island is self sufficient, and has considerable wealth; the Emperor has clear plans to develop the Islands economy.

The Islands wealth is based on exports of sugar cane which is grown in the South of the Island, and exported via a shipping port, which is also in the South. Imports to the Island all have to come via this route. The port is ageing, and the type of cargo vessel that can dock is very small, making it difficult to export large quantities of sugar cane, and adding 2 weeks to the time it takes to make the voyage to Australia. There is a very limited road network on the Island, with the most noticeable being a highway that circles the coast of the Island.

The largest town on the Island is on the North East side, and is a mixture of both commercial and residential buildings. There is a thriving town centre with a mixture of shops and businesses, and is where most of the Island's residents live. The coastal area of this part of the Island is beautiful with a 3 mile long sandy beach, and warm clear water.

The area of land you have been allocated for the airport is about 5 miles long and 3 miles wide, and is located 3 miles South West of the main town. The Emperor is a keen pilot, and has instructed that he wants the airport to have 3 runways, with scope for expansion in later years. Along with the facilities needed for the airport, there is an opportunity to develop the Island a tourist destination, and as a one night stop-over for long haul flights, and should any flights be delayed due to the storms that occur. The Emperor is keen that the Island attracts the wealthiest of tourists, and that any facilities are in keeping with a luxury holiday destination.

The development of the Island had been fairly recent, and as such the Emperor has indicated that the layout and design of any building should be modern, and reflect the area in which the Island is situated.