S-P-A-C-E TOURISM

Space Tourism Market Simulation V.2.0 by Dr. Robert A. Goehlich

Introduction



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Summary

Space Tourism Market Simulation (STMS) is an interactive simulation covering various disciplines such as rocket engineering, economics, design, laws, ethics, art, etc. around space tourism to understand and practice coherences about this topic. Participants can choose one out of eight specific groups such as passenger, manufacturer, organization, space travel agency, investor, government, opposition or own created group. They can either cooperate or compete with other groups. The idea of STMS is to improve participant's knowledge and skills of space tourism in the fields of strategic decision-making, engineering, teamwork, marketing and entrepreneurial activities.

Goal

Winner group of STMS is that one, who could collect most "Space Dollar" (S\$). S\$ can be earned for convincing presentations, high market shares, fair play and creativity. Due to changes in the exchange rate, which is simulated by a dice, there is also a risk to loose profit.

Group Size

Minimum number of participants is 8 plus 1 moderator. Due to the modular character of STMS, there is no limitation in maximum number of participants. Recommended size for each team is 3 participants.

Time Frame

Minimum required time is 2 hours. Recommended simulation period is 3 months with a weekly meeting to discuss about progress and problems.

Level

This simulation is created for all people interested in space tourism from generalists to experts. The difficulty level and quality of results is defined by the participants itself.

Materials Needed

Minimum: 1 x STMS Info Kit for each group

1 x STMS Discussion Kit and pen for each participant

Recommended: 1 x Flip chart for each group

1 x Overhead projector or beamer

1 x Scissor 1 x Dice

100 x "Space Dollar" bank notes

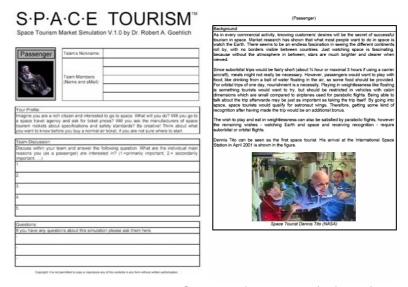
Instruction

1. Decide for one group you are most interested in to represent (Passenger, Manufacturer, Space Travel Agency, Organization, Investor, Government, Opposition or Other Group).



Available Groups

2. Read and complete the information about your selected group which you can find in the Info Kit. Discuss within your team.



Example: Passenger Group Information (Info Kit)

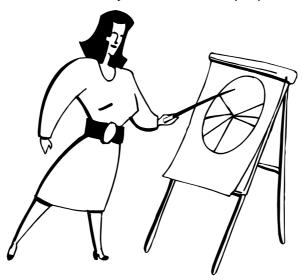
3. Complete the pages from the Discussion Kit. This is a kind of mail, where you can ask the other groups about information, offers, contracts, etc.



Question Boxes (Discussion Kit)

Write always your group name (such as Passenger, Manufacturer, etc.) and nickname (for example: Space Tourism Union, Skyblue Aerospace, etc.) in each box because the other groups have to know who sent which questions.

4. Cut out each group question box separately. Distribute them to the other groups. Try to answer the questions from the sheets you receive and prepare a presentation.



Presentation of your Results

5. The presenting group receives a score from the other groups. A dice is used to determine the exchange rate from "points" to "Space Dollar".



Determination of Exchange Rate