As part of this work package, you will have to design a preparation and training programme for the crews of a vehicle dedicated to commercial suborbital flights (type 1 vehicle) or space flights (type 2 vehicle). The main objective is to ensure that the crews are ready to accompany passengers with diverse profiles in terms of travel objectives and skills. It is imperative that crews provide a quality service, guaranteeing both the comfort and safety of passengers throughout the flight.

The first step of the study consists in choosing the vehicle you will work on: either 1- suborbital vehicle for high-speed long-range transportation
or
2- vehicle servicing LEO destinations)
. You will then perform the following tasks:

- You will design a comprehensive training programme for crew members, including training in procedures for managing contingency situations such as fire propagation or other critical in-flight incidents and training in communications with ground crews,
- You will draw up a list of the facilities and equipment required for crew training, including simulators, safety devices and any other relevant equipment,

- You will estimate the duration of the training programme, including the various steps and assessments. You will draw up a detailed timetable for the different phases of training.

Your work should not be a copy of what ESA, NASA or other organisations are proposing, but you can take inspiration from them.

General characteristics for the reference vehicles:

Upload PDF

Previous WP

Next WP

Application form