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IAF HUMAN SPACEFLIGHT SYMPOSIUM (B3)
Interactive Presentations - IAF HUMAN SPACEFLIGHT SYMPOSIUM (IP)

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ESA ASTRONAUT TRAINING – TRAINING STRUCTURE AND FACILITIES AT EUROPEAN ASTRONAUT CENTER

Abstract

Training for astronauts provided by the European Astronaut Centre (EAC) is as diverse as their tasks. It is conducted as face-to-face training, terrain training, remote training, or even as onboard training. To support this diversity, many different training facilities and methods with varying degrees of "immersivity" are used. This interactive presentation intends to enumerate and present a portfolio of the training facilities and methods currently in use at EAC, while relating them to the different phases of an agency astronaut training cycle. A classification effort towards an "immersivity" rating of each facility is made to correlate them to learning levels and performance complexity. This synthesized view that founds on an evidence-based training concept for agency astronauts helps to select the most appropriate training method/facility to achieve the level of training required. The model could be used to align training with new astronaut populations to be trained and potentially derive new training facilities.