

IAF HUMAN SPACEFLIGHT SYMPOSIUM (B3)  
Commercial Human Spaceflight Programmes (2)

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## PRACTICALITIES OF COMMERCIAL HUMAN SPACEFLIGHT

**Abstract**

The NASA announcement of the availability of International Space Station (ISS) for commercial purposes opens up new opportunities in commercial space. This paper will explore the practicalities of commercial human spaceflight. This includes lessons learned from commercial experiments science on the ISS and hardware platforms on the ISS. Coordination between international partners is required to train and equip astronauts to conduct research and commercial tasks. Longer duration stays on the ISS will require a new approach for human elements of spaceflight for commercial astronauts to ensure a high level of performance and availability for commercial tasks. Each new crew vehicle for ISS will have an impact on operations and enhance the ecosystem of providers. High-capacity crew transport systems will pose logistical challenges for handling high traffic volumes of crew and spaceflight participants.