

Sections	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
2.3 Access to Space Composite																
Access																
Access to Space																
Requirements																
Access to Space Products																
Product																
CP Orbit transfer unit - demo																
CP Orbit transfer unit - qualified																
Small satellite platforms																
Large platforms																
Rapid response platform																
Reusable orbital launch																
Stylon core technology																
Stylon system available																
Orbit transfer units (che)																
Debris management systems (capture, de-orbit, debris capture and debris protection)																
Small satellite launch system																
Small launcher - orbital demo (2015)																
Small launcher - orbital demo (2017)																
Suborbital access (covers launch microgravity etc)																
Infrastructure standards																
Human spaceflight and Technodemat																
Skimat																
Access to Space Technology																
Technologies																
Harpoon debris capture																
Universal Space Interface standard (USIS) for docking/salvaging/servicing etc																
Inflatable fabric structure																
High ballistic coefficient																
MEMS inertial sensors																
High thrust high tip hybrid																
Carrier platform for small launcher																
Small satellite launch system																
Vehicle software design																
High data rate downlink																
Advanced on-board data handling (image processing, compression, encryption, on-board autonomy)																
Mass memory																
Inter-satellite links																
Low mechanical noise cooling systems																
Low microvibration/isolation technologies																
Low cost composite structures																
Advanced AOS (agility, high accuracy, high stability)																
Formation flying																
Low cost solutions for communication inter-operability																
Low cost, high output power systems																
De-orbit technology																
Mission design tools (e.g. for novel orbits)																
High tip small sat propulsion (e.g. prop, EP)																
Standardised mechanical interfaces																
Structure for orbit transfer unit																
Propellant tanks for orbit transfer unit																
Main engine for orbit transfer unit																
Mechanism for orbit transfer unit (e.g. SWD equipment)																
Spaceplane for suborbital access																
High power EP																
Advanced CMG																
Self-deploying structures / inflatables																
Extreme environment thermal control system																
Extreme environment power system																
Autonomous docking etc. CMC																
Active stability controls																
Space tethers for LEO or orbit transfer																
Thrustor pointing mechanism																
EP Thrusters and PPIUs																
Space based refuelling																
Avionics breadboard for low cost (e.g. small launcher)																
Nanosat launcher adapter pod																
Green propellants and components (e.g. thrusters, tanks etc)																
Advanced materials for apogee and ACS engines																
Avionics breadboard small launcher																
High duty cycle low power EP																
Infra-structure standards																
Space biomedicine R & D																
Aeronautical Support to the Commercial Human Spaceflight Industry - Aircrew training																
Aeronautical Support to the Commercial Human Spaceflight Industry - Client Medical Screening and Prep																
Personal protective clothing for the Commercial Human Spaceflight Industry																
Wearable biomedical monitoring system																

Element Type

- Smart Element Type
- Organisation
- Event
- Trend
- Customer Requirement
- Regulatory Requirement
- Market
- Market - Event
- Trend - Event
- Customer Requirement - Event
- Regulatory Requirement - Event
- Opportunity
- Goal
- Strategy
- Opportunity - Event
- Goal - Event
- Product Platform
- Product Platform - Event
- Technology Platform
- System
- Technology
- Capability
- Technology Project
- Research Project
- Resource
- Technology - Event
- Capability - Event
- Political
- Economic
- Social
- Technological
- Legal
- Environmental
- Political - Event
- Economic - Event
- Social - Event
- Technological - Event
- Legal - Event
- Environmental - Event
- Product
- Service
- Application
- Process
- Application - Event
- Process - Event
- Product - Event
- Prototype
- Demonstration
- Knowledge Transfer
- Demonstration - Event
- Incremental
- Emergent
- Disruptive
- Mature
- Incremental - Event
- Emergent - Event
- Disruptive - Event
- Mature - Event
- Infra-structure
- Skills
- Finance
- Collaboration
- Standards
- Other
- Other - Event
- Drivers
- Drivers - Event
- Products
- Products - Event
- Tech Val
- U Tech
- Research
- Time Span
- Event_1
- Market Spin-Out
- Market Spin-Out - Event
- Market Event / Trend
- Market Event / Trend - Event
- Law / Regulation / Standard
- Law / Regulation / Standard - Event
- Competitor
- Competitor Attribute
- Market Requirement
- Market Requirement - Event
- Non-UK Activity
- Non-UK Activity - Event
- Mission
- Mission - Event
- Space Product
- Space Product Attribute
- Space Demonstrator
- Space Demonstrator Attribute
- Space Service
- Space Service Attribute
- Space Technology
- Space Technology Attribute