StarGate

Space Range Planning, Scheduling, and Data Distribution

nxtAERO
StarGate

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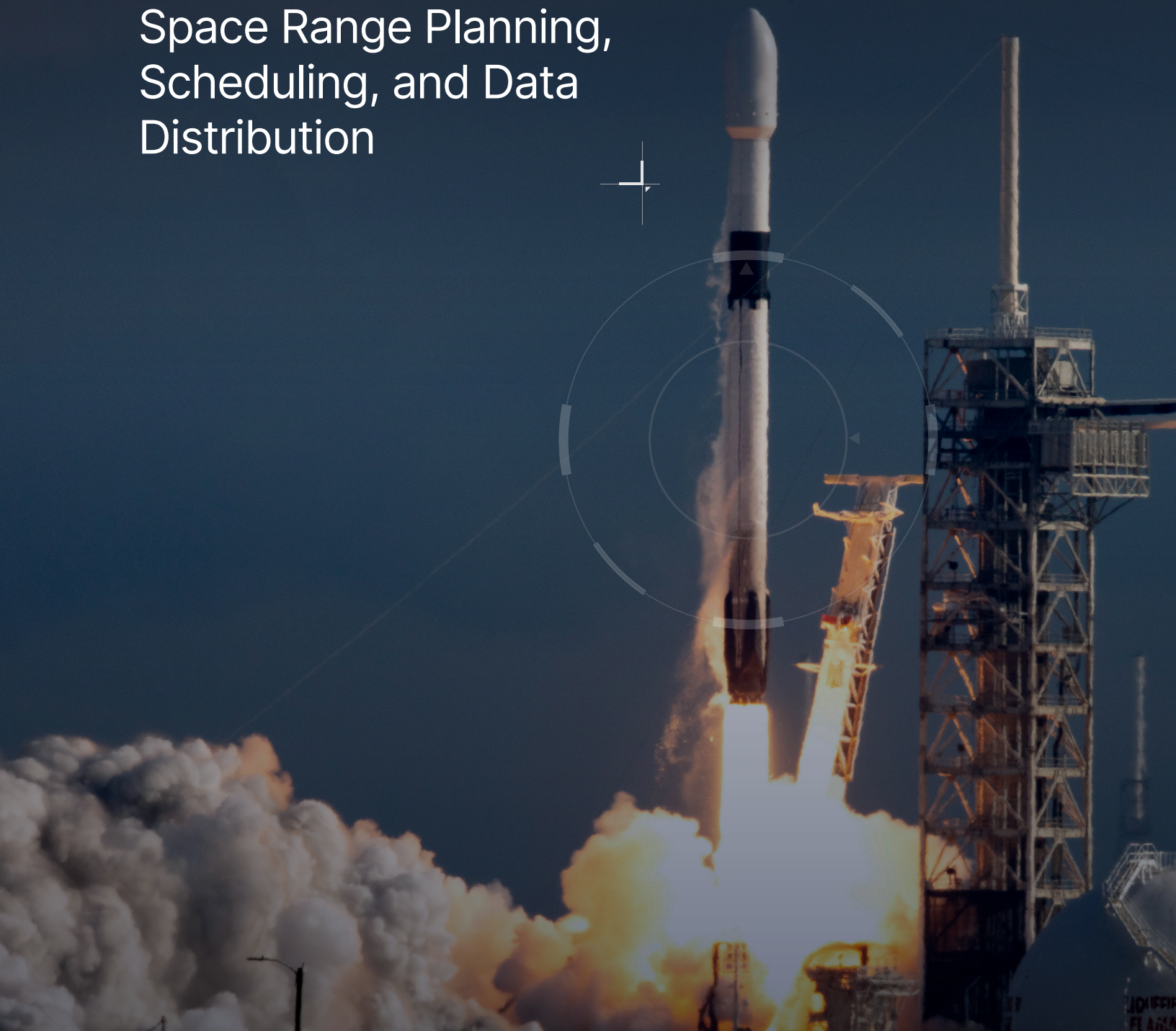
StarGate
Change Enabler for the Range of the Future

StarGate is a virtualized, cloud-enabled system offering end-to-end support for the planning and execution of space launches, with the Authorization to Operate (ATO) at Space Launch Delta 30 and 45. To date, StarGate has supported over 75 launches, 5,000 operations, 150,000 asset schedules, and two million (2,500 daily) schedule transactions at SLD 45.

Planning

StarGate supports customer-initiated launch planning of over 500 range assets, (including radar, telemetry, communication, optics, airspace, personnel, buildings, roads, pipelines, and RF requirements) reviews, documentation and approvals for launches, pre/post support, and testing operations.

Scheduling

Purpose built for Range Operations Squadrons (ROPS), StarGate provides AI-based asset and RF deconfliction and capability-based scheduling services to support range of the future demand for launches and test operations.

For More Information

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Web Interface

StarGate's web-based dashboards provide information for asset health and operational situational awareness to ensure conflict-free, cost-feasible decision-making and requirement-based planning and scheduling.

Launch Data Management

StarGate provides tools for range operators to manage the production and distribution of data products to its recipients for each launch and test operation.

Finance and Reporting

JOCAS-integrated tools provide Comptroller Squadrons (CPTS) with accurate, on-demand asset utilization, cost profiling, and reporting for the entire range.