

Vertiport Technical Checklist

TLOF / FATO • Charging • Fire & Safety • Lighting • ATC / UTM

Layout & Safety Areas

- TLOF / FATO dimensions and safety buffers
- Obstacle limitation surfaces (clear ways, OFV, transitional surfaces)
- Approach/departure surface geometry (based on FAA EB-105A and ICAO/EASA specs)

Charging & Energy

- Baseline: Minimum 750 kW DC fast charging per pad
- Energy storage & peak shaving strategies (e.g., battery buffers)
- Utility metering, grid upgrades, coordination plans

Fire Protection & Emergency

- NFPA 418 compliance checklist items (e.g., water access, suppression systems)
- Emergency access paths for fire/rescue vehicles
- Operator drills, Standard Operating Procedures (SOPs), and staging area

Systems & Integration

- Lighting: perimeter, approach, aiming point configurations
- ATC and UTM system interfaces (NOTAMs, situational awareness)
- Weather sensor types and placement
- Passenger flow and hold area layout (ingress/egress clarity)

