

OPERATIONAL BOUNDARIES

Regulatory Cheat Sheet: EASA Standard Scenarios STS-01 vs. STS-02

CORE OPERATIONAL COMPARISON MATRIX

OPERATIONAL PARAMETER	STS-01	STS-02
Primary Flight Mode	VLOS (Visual Line of Sight)	BVLOS (Beyond Visual Line of Sight)
Operational Environment	Populated environments (urban/controlled)	Sparsely populated environments
Required UAS Class	C5 class requirements	C6 class requirements
Maximum Altitude	120 meters (from closest point of the earth)	120 meters (from closest point of the earth)
Controlled Ground Area	Mandatory active control of ground risk area	Mandatory active control of ground risk area
Crew Requirements	Remote Pilot	Remote Pilot + Airspace Observers (Multi-crew coordination)
Mandatory Safety Systems	Flight Termination System (FTS) & Parachute Recovery System (PRS)	Flight Termination System (FTS)

TECHNICAL & MITIGATION REQUIREMENTS

1. Risk Mitigation (ERP)

Both scenarios require a comprehensive SORA methodology introduction and the establishment of Emergency Response Plans (ERP) to handle ground and air risk mitigations, including fly-aways and C2 link loss.

2. Human Factors (CRM)

Operating under STS-02 introduces advanced human factors, requiring strict spatial disorientation awareness and seamless Pilot/Observer communication protocols during BVLOS operations.

3. Environmental Prep

Pilots in either scenario must be proficient in decoding METAR/TAF reports and calculating weight and balance, specifically adapting to wind shear and weather impacts on battery physics.

TEST YOUR KNOWLEDGE

Ready to command high-risk operational profiles safely? Master the EASA framework with our dynamically randomized preparation exams and comprehensive video modules.

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