



## Solution U3S-04 — Dynamic capacity management service

Upon the definition of drone density thresholds (that can be dynamically modified), the service monitors demand for airspace, and manages access to that airspace as new flight notifications are received. This service may be coupled with the flight planning management service. There should be appropriate set of rules and priorities for slot allocation when a portion of airspace is expected to reach its capacity limits. Apart from the demand and capacity balancing, the service could manage capacity due to non-nominal occurrences, such as weather hazards or emergency situations.

The reference for this definition is the "European ATM Master Plan: Roadmap for the safe integration of drones into all classes of airspace". On-going Research activities on U-space may update this definition in future datasets.

**Program** SESAR 2020 Wave 2

**Need for coordination** -

**Related to** -

**Date V1 Gate** -

**Date V2 Gate** -

**Date V3 Gate** 31-12-2025

**Deployment Start Date** -

**Benefits Start Date (IOC)** -

**Full Benefit Date (FOC)** -

### Context

#### Related Elements

**EOC**

U-space  
services

**SOL**

U3S-04

**DS**

U-space U3  
—...

**PJ**

PJ.20  
AMPLE



Operating Environments: No associated data



Phases: No associated data



SESAR Projects

Code	Title	Related Elements
PJ.20 AMPLE	ATM Master Plan Maintenance	SOL



Operational Improvement Steps / Enablers: No associated data



PCP Elements: No associated data



Implementation Objectives: No associated data



ICAO Block Modules: No associated data