

Sistema de Pontuação USSP (Score)

Brainstorm sobre sistema de score inicial para provedores:

Para a fase 1, o sistema de score deve ser simples, técnico e pouco punitivo. Nas fases posteriores serão adicionadas mais camadas.

Alternativa 1: Os provedores que forem certificados pelo onboarding começam com 100 pontos, e a reputação é reduzida baseada em incidentes.

Onboarding & Initial Score

- Providers must pass the **Onboarding Test Suite** to be certified.
- Once approved, they **start with a score of 100** and can operate normally.

[O]nboarding only determines whether they enter the system (pass/fail), but all approved providers begin at the same reputation level (100).

Reputation Deductions: How Providers Lose Points

- Reputation is **dynamically reduced** based on system failures, rule violations, or poor service quality.
- The **severity of the issue determines the penalty** (light, moderate, or severe).

Issue Type	Description	Points Deducted
Minor Violation 	Slight delay in reporting logs, temporary downtime (under 1 hour), minor compliance issue	-2 to -5 points
Moderate Violation 	Repeated reporting delays, 1-5 hours of downtime, incorrect flight data, failure in an audit	-10 to -20 points
Severe Violation 	Regulatory non-compliance, system crash >5 hours, security breach, airspace safety risk	-30 to -50 points
Critical Violation 	Major security failure, fraudulent activity, repeated severe violations	-50 to -100 points (license revoked)

Alternativa 2: O processo de onboarding resulta em um score inicial de acordo com os testes

How a New Provider Acquires Score in the Reputation System

A **new USSP** (UAS Service Supplier) must **earn an initial score** through an **Onboarding Test Suite** before operating within the BR-UTM ecosystem. The **certification process** will determine their starting reputation and ensure only compliant providers enter the system.

Onboarding Test Suite & Initial Score Allocation

A **new provider must pass a series of tests** that assess compliance, integration, and operational capability. Their **initial score** will be based on performance in these tests, setting their starting reputation.

Test Suite Evaluation (Maximum Score: 80 - 100 Points)

Test Category	Description	Score Range
System Compliance Test	Verifies adherence to BR-UTM and INTER-USS standards.	+20 points if passed
Security & Data Protection Test	Ensures proper encryption, authentication, and secure API handling.	+15 points if passed
Log Quality & Reporting Test	Tests accuracy, completeness, and timeliness of logs.	+15 points if passed
Interoperability Test	Confirms successful integration with other USSPs in the network.	+20 points if passed
Operational Stability Test	Evaluates system uptime, response time, and performance under stress.	+20 points if passed
Safety Compliance & Incident Response Test	Assesses ability to handle incidents and enforce flight restrictions.	+10 points if passed




Pass/Fail Criteria

- **Minimum Passing Score: 75 points** (Provider is **certified and allowed to operate**).
 - **High-Performance Providers: 90+ points** get a **trusted status** with full operational capabilities.
 - **Failed Test (<75 points):** The provider must **reapply** after fixing the identified issues.
- Initial score becomes the provider’s starting reputation**, which will be dynamically adjusted based on performance.

How the Onboarding Score Relates to Reputation

After passing onboarding, providers will be placed into **one of three tiers** based on their score:

Initial Score	Tier	Operational Status	Reputation Status
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90 - 100	Trusted Provider 	Full operational capability	High Reputation (Preferred Provider)
75 - 89	Certified Provider 	Allowed to operate normally	Standard Reputation
Below 75	Not Certified 	Cannot operate	Rejected - Must retake tests

- **Trusted Providers** gain faster approvals and access to premium services.
- **Certified Providers** operate normally but need to **improve their reputation** over time.
- **Rejected Providers** must **fix their issues** and reapply.

Maintaining & Improving Reputation Post-Certification

Once operational, a USSP’s reputation is **continuously updated** based on:

- ☐ **Positive Actions** (e.g., successful flights, compliance, high uptime) **increase** reputation.
- ☐ **Negative Actions** (e.g., violations, downtime, failed audits) **decrease** reputation.

A new provider **can improve from a “Certified” to a “Trusted” status** by maintaining:

- **90%+ uptime over 6 months**
- **Zero regulatory violations in the first 3 months**
- **High-quality log submissions**