





REGULATING SATELLITE CONSTELLATIONS: ITU COMPLIANCE

HOW INTEGRASYS ENABLES EFFICIENT REGULATORY COMPLIANCE

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Why NGSO Regulation is Much More Important Than Before

- LEOs provide **services without licenses**, and there are not many regulators that can regulate it.
- LEOs are starting to provide Direct-to-Device (D2D) connectivity.
- Local and global satellite industry have been completely disrupted by new business models and interference.
- Local and global telecommunication companies are about to be disrupted by D2D LEO service.



SATCOM disruption



hispasat



















TELCO disruption

















How can INTEGRASYS help?



ROTECTING TELCOS

Protecting TELCOs by analyzing
Articles 21 & 22.



Protecting countries by analyzing satellites with illegal transmission over them.



Measurement automation for new talents who may not be experts in NGSO constellations.



Set up the required infrastructure and provide the systems and reports as perpetual capability or ongoing service.



TELCO

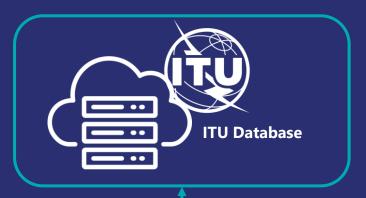
REGULATOR

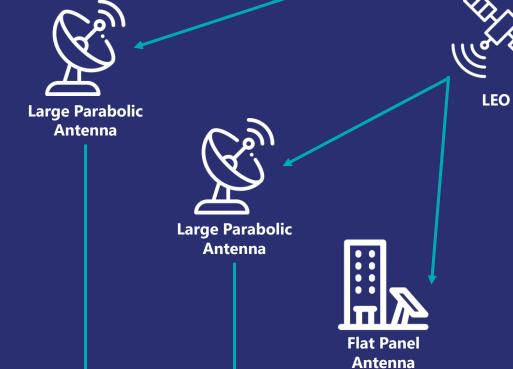




Typical Deployed Architecture









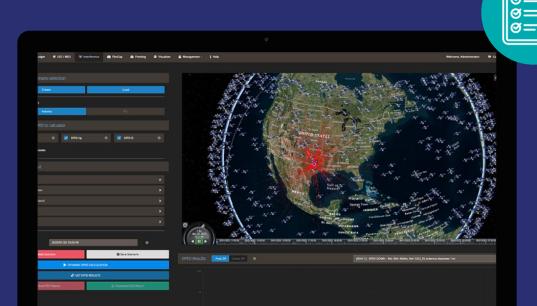




Articles 21 & 22 compliance report

VeryFiling

ITU/FCC FILING SOFTWARE





Used for communications, and APNT or EO satellites

Calculation software aligned with the ITU-R S. 1503-3 standards

Allows complying with the ITU/FCC regulations before approval request

Allows regulators to test constellations and provide recommendations

Virtualized in the cloud

Complete 100+ pages PDF customizable report

EPFD calculations: pass/fail under ITU Articles 21 & 22

Saves 95% of the time developing calculations and 95% of the OPEX with the Press & Go button

Multi-mode specially built for industry and coordinating regulators

Special mode designed for regulator's (ITU, FCC...) review

LEOREG



EPFD REGULATORY MONITORING SYSTEM

Evaluates NGSO constellation for compliance after launch

Real-time EPFD verification for existing constellation

Intuitive 3D visualization for situational awareness and constellation tracking

Antenna management modules for parabolic and flat panel

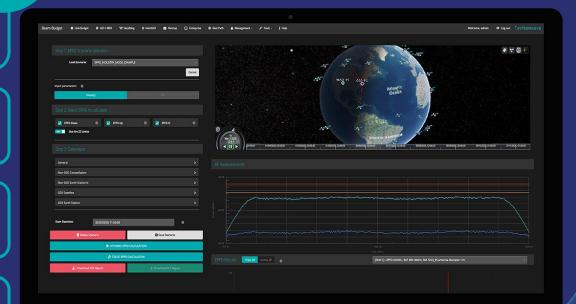
Reduces spectrum congestion

Automated and Al-driven algorithms to ease operations

Pass/fail summary for ITU

Certification of cells not transmitting with 5° pointing at GEO

Reporting under Articles 21 & 22





INTEGRASYS: Software Company

SMART SOLUTIONS FOR THE SATELLITE INDUSTRY

35

Years of **Experience**

35%

R&D Investment

100

INTEGRASYS Employees 9

★★★★★ Innovation Awards 8

Countries in 4 continents



Smart Solutions for Spectrum Regulation

COTs and R&D Developments

Leading Customers within the,
Regulatory, Defense & Satellite Industry

Conclusion







Building Success from Innovation





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