ECSAT 5G/6G Hub

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CGI

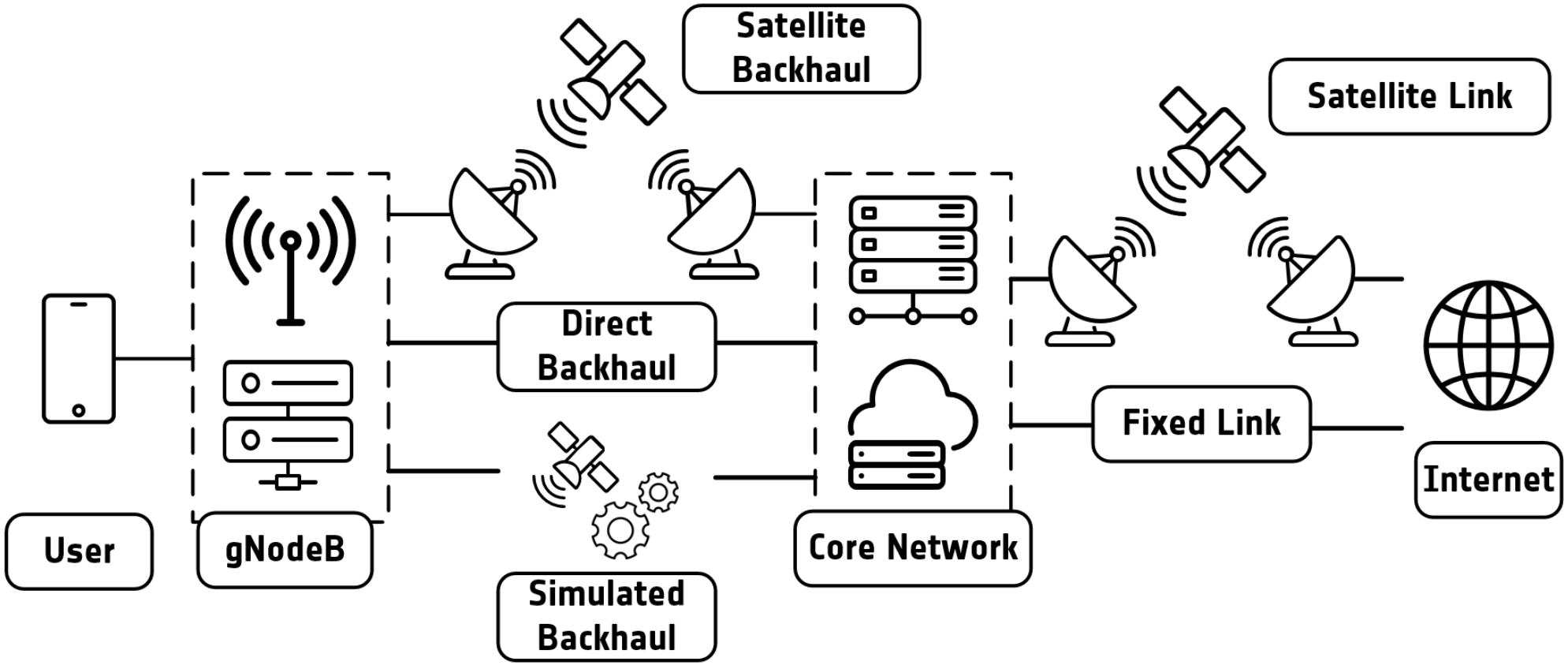
ESA-ECSAT 5G/6G Hub

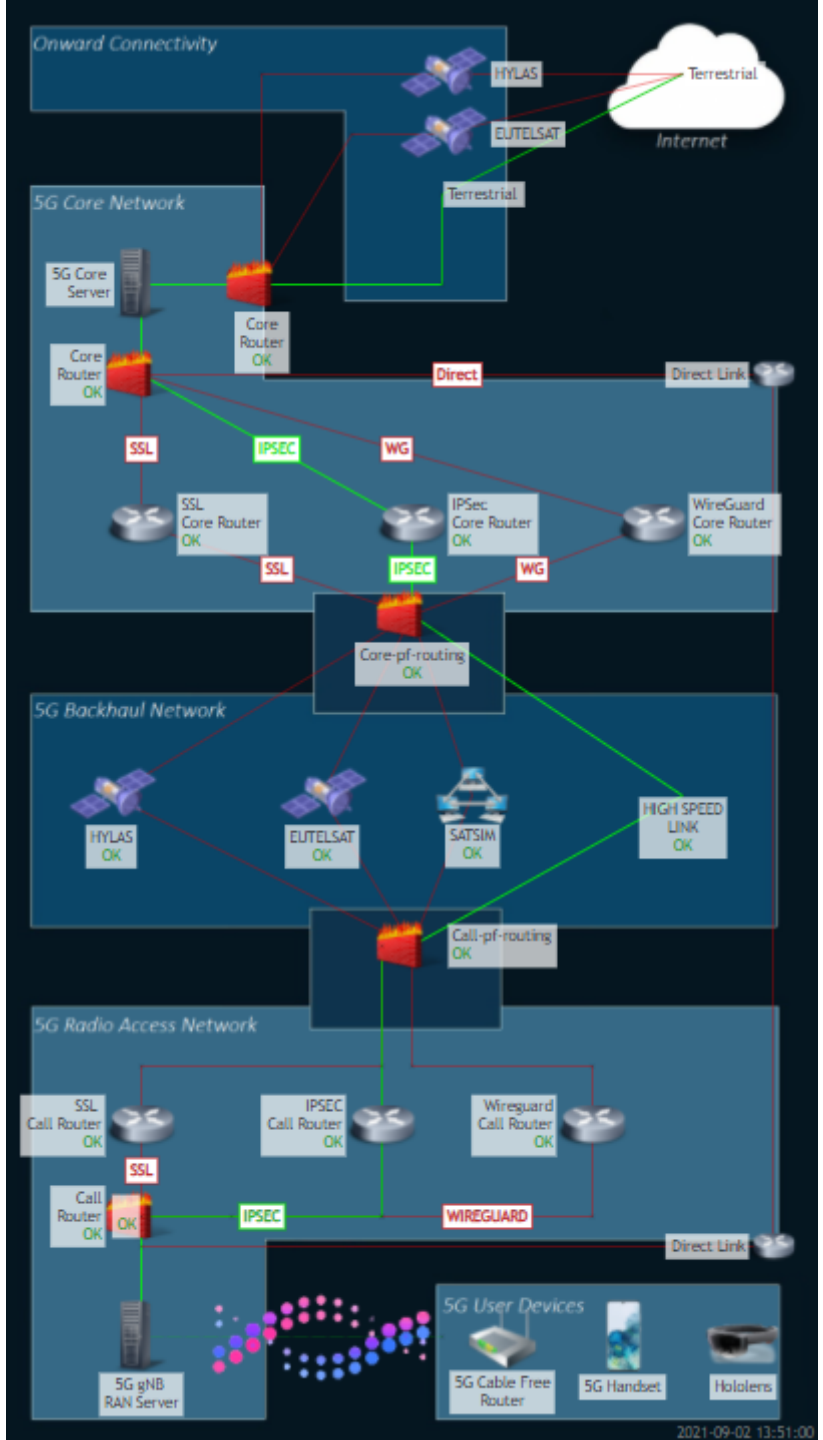
A collaborative place for realising the promise of satellites for 5G

- An integrated **5G hybrid** private network
  - **5G network**
  - Two commercial **satellite links**
  - A **satellite simulator**
- **Automated switching** between configurations via simple user interface
- Local compute and storage, supporting **edge processing** and operations
- **Augmented Reality** demonstrations
- **Open to all** to use

European Centre for Space Applications & Telecommunications (ECSAT), Harwell, Oxford, UK.

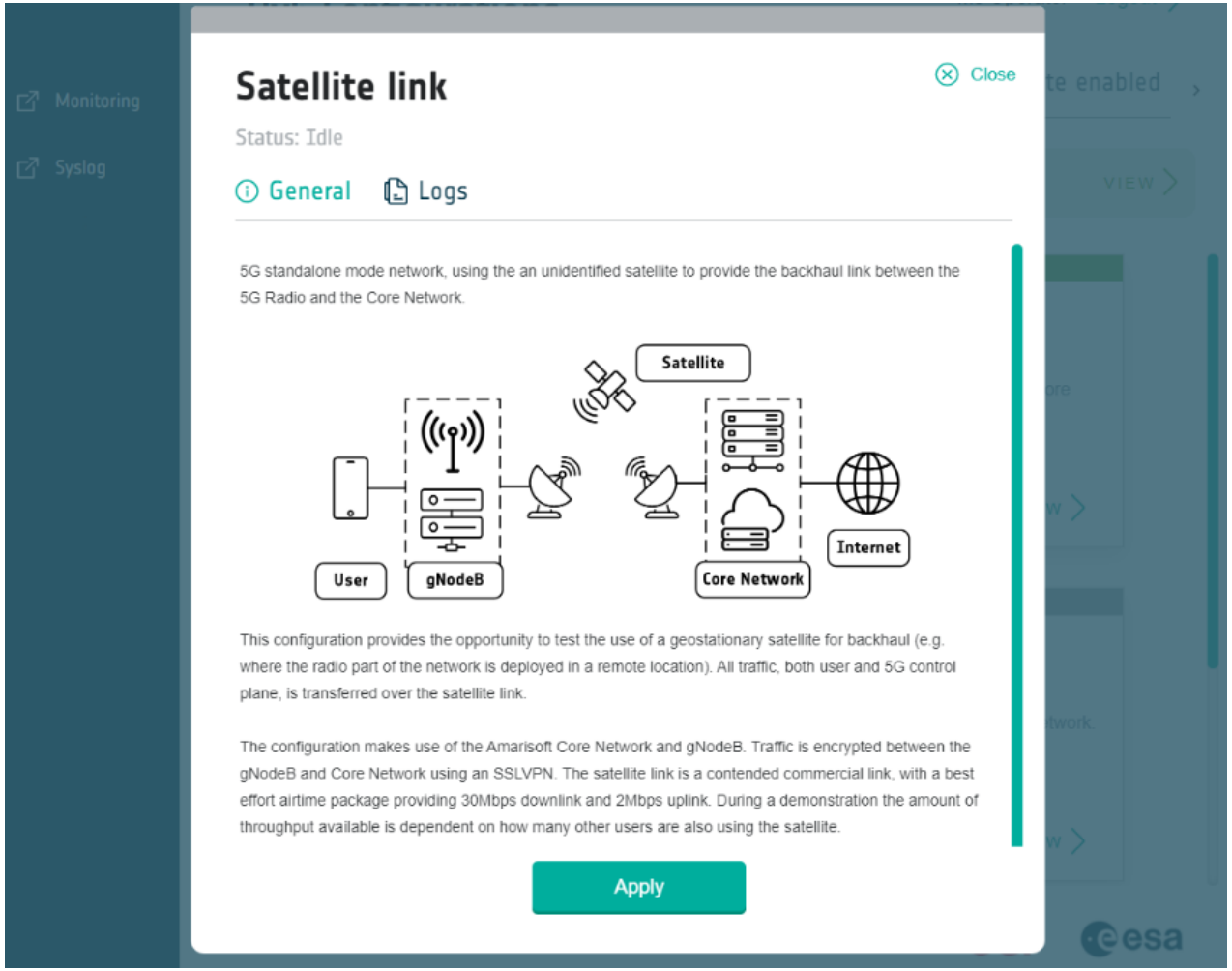
ESA-ECSAT 5G/6G Hub Architecture





Network Map

Complex configuration simplified.



5G/6G Hub - esa ECSAT Phase 2

Further focus on application demonstration and technology evaluation

Internal and External 5G Coverage

Satellite links for resilience scenarios

Virtual resource for edge compute

Enable connectivity to other facilities.