



**Commercial Laser Communication  
Interoperability Regulatory Workshop  
Davis Schmitz  
ViaLight Space, Inc.**

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# ViaLight Core Competency



**Laser Communications  
Ground Stations**



**Laser Communications  
Airborne Platform**



**Communications  
Air-to-Air Platforms**

*Space terminal is under development – Qualification in 2019.*



- ViaLight products use On-Off-Keying:
  - Technology maturity
  - Robust for atmospheric transmission
  - Compatibility with other communication markets
  - Lower implementation costs & broader supply chain -> lower costs to customer



# Wavelengths Supported

- Core portfolio based on 1550 nm technology
  - Availability of COTS components
  - Cost effective
  - Easy proliferation of product in marketplace
- Providing 1064 nm technology options
  - Keeping compatibility open
  - Supports known CCSDS standards under development



- Acquisition strategy:
  - MASTER/SLAVE relationship between terminals
  - Following recommendation from OLSG report
- Application to CCSDS submitted
  - ViaLight is waiting on membership confirmation

