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NATIONAL RECONNAISSANCE OFFICE

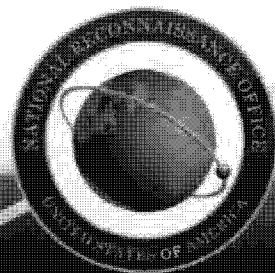
# (U) NROL-151 Mission Deep Dive



L-151 Mission Manager

24 Jan 2019

(b)(3)



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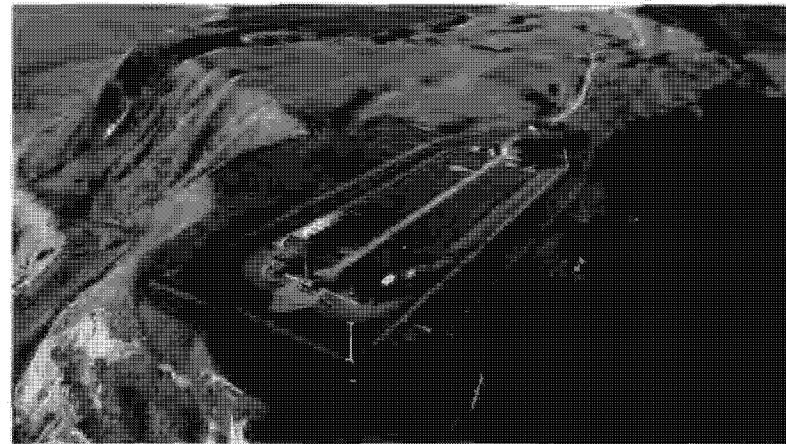


## (U) Agenda



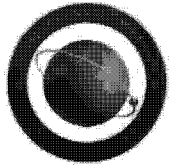
- (U) RASR-1
- ~~(S//TK//REL)~~ [redacted] / NROL-151 Mission Overview
- (U) RRS Enhancement Demonstration
- (U) Electron Overview
- (U) Nominal Integration Schedule
- (U) Security Approach
- (U) Transportation Approach
- (U) Processing/Countdown Flow
- (U) Readiness Reviews
- (U) Mission Assessment

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**(U) Rapid Acquisition of Small Rocket  
(RASR-1)**



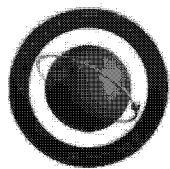
- (U//~~FOUO~~) The purpose of the RASR-1 contract is to acquire a commercial small launch service for a multi-mission manifest of IC SmallSats on a tiny rocket in 2019
  - (U) A prototype for future small launch business practices
  - (U) Multi-mission manifest of  SmallSats
- (U) Objectives:
  - (U) Pathfinder for future dedicated, commercial SmallSat launch
    - (U) Determine appropriate level of mission management and OSL support
    - (U) Identify launch provider capability gaps
    - (U) Strengthen relationships and communication channels

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**(U) "Buy it as they sell it"**

**Office of Space Launch**

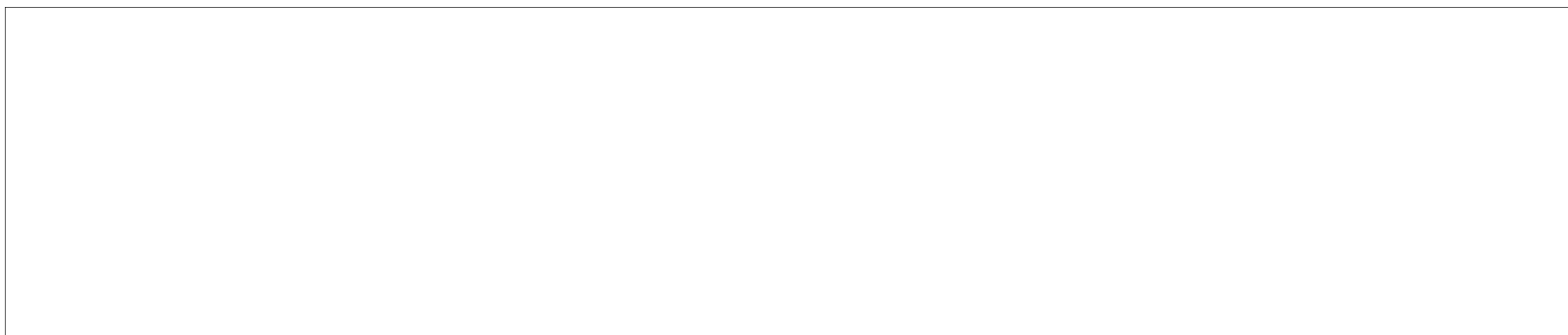
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Mission Overview

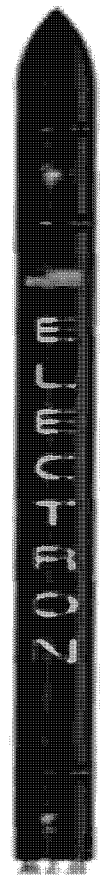
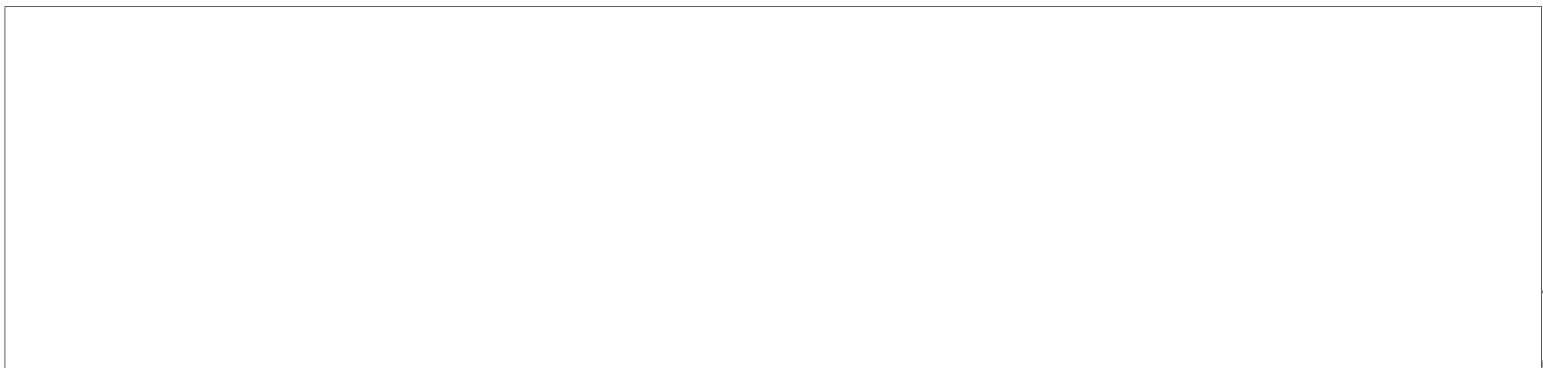


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(b)(3)

- (U) Launch Site – Rocket Lab Launch Complex (LC-1), Māhia Peninsula NZ
- (U) Payload processing & encapsulation: PPF at LC-1
- (U) Launch Vehicle & Mission Profile
  - (U) Electron R5.0



(b)(1)  
(b)(3)

Electron  
55.7'

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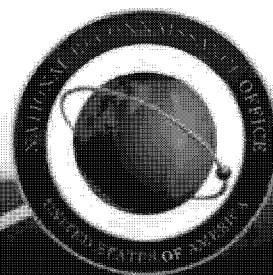
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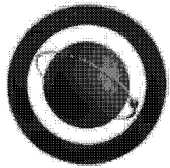
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# (U) Back-up

**Office of Space Launch**

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