

CBN 2019 Conference

## RPAS – The drone term you haven't heard of (yet)

Kevin Grover, ALS, P.Eng.  
Geospatial Technology Leader



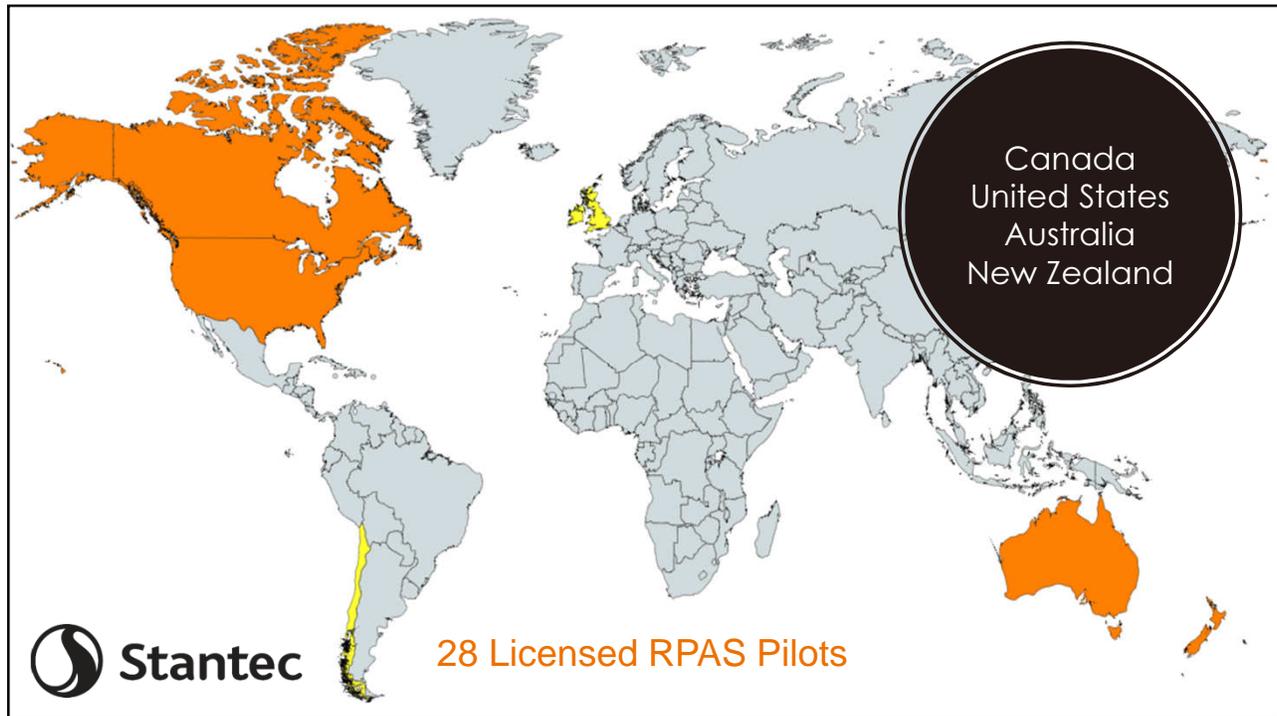
1



Unmanned Aerial Vehicle (UAV)  
Unmanned Aerial System (UAS)  
Drone

**New Transport Canada Term (June 1, 2019)**  
**Remotely Piloted Aircraft System (RPAS)**

2



3

What can we use RPAS for?

4



5



6



7



8



9



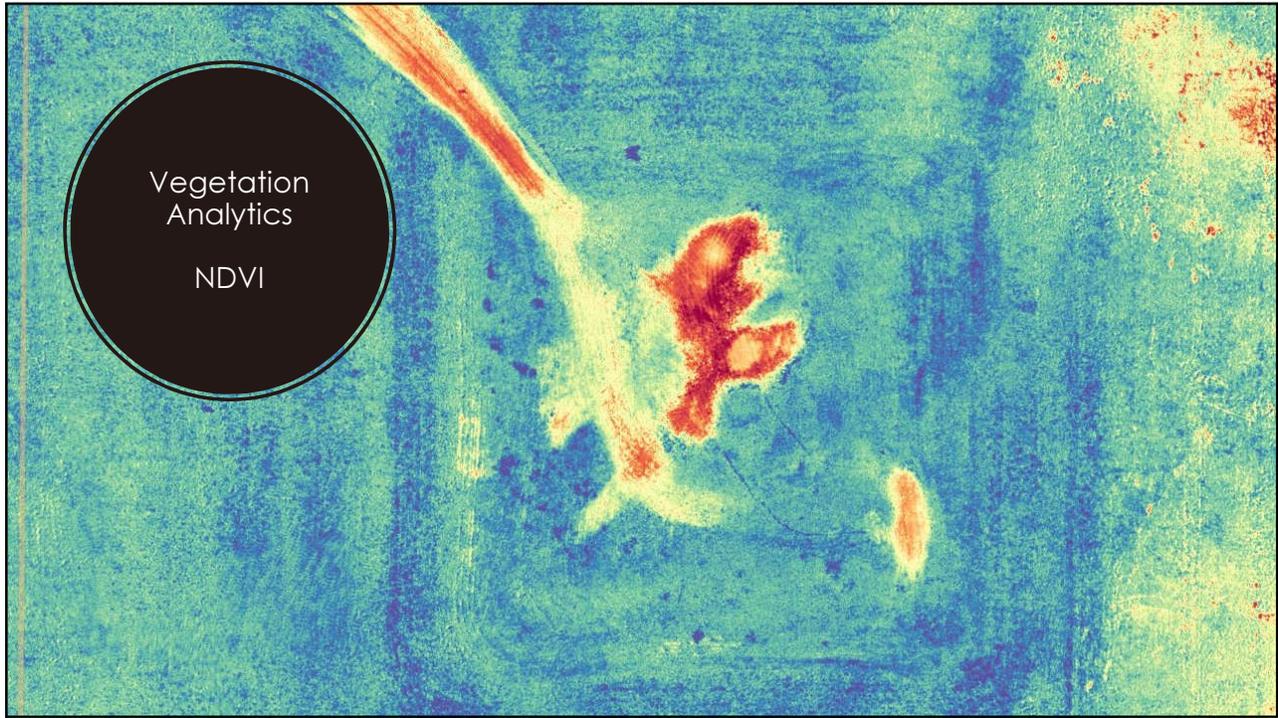
10



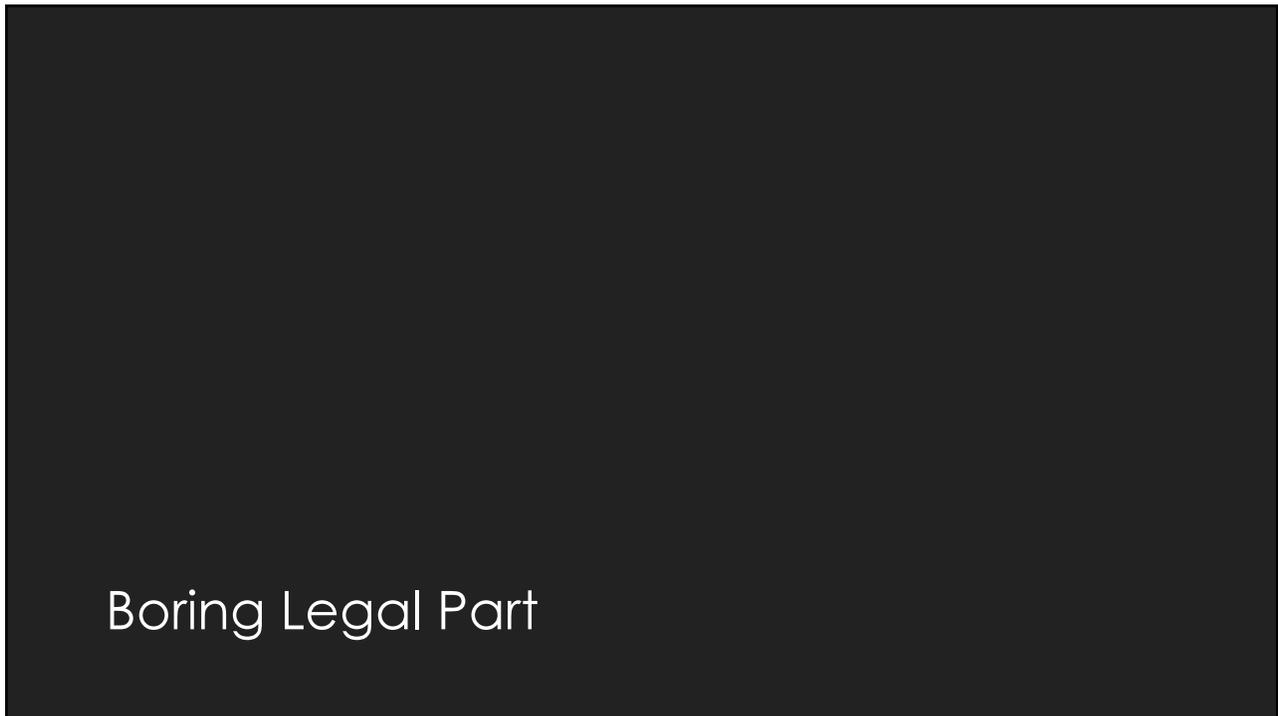
11



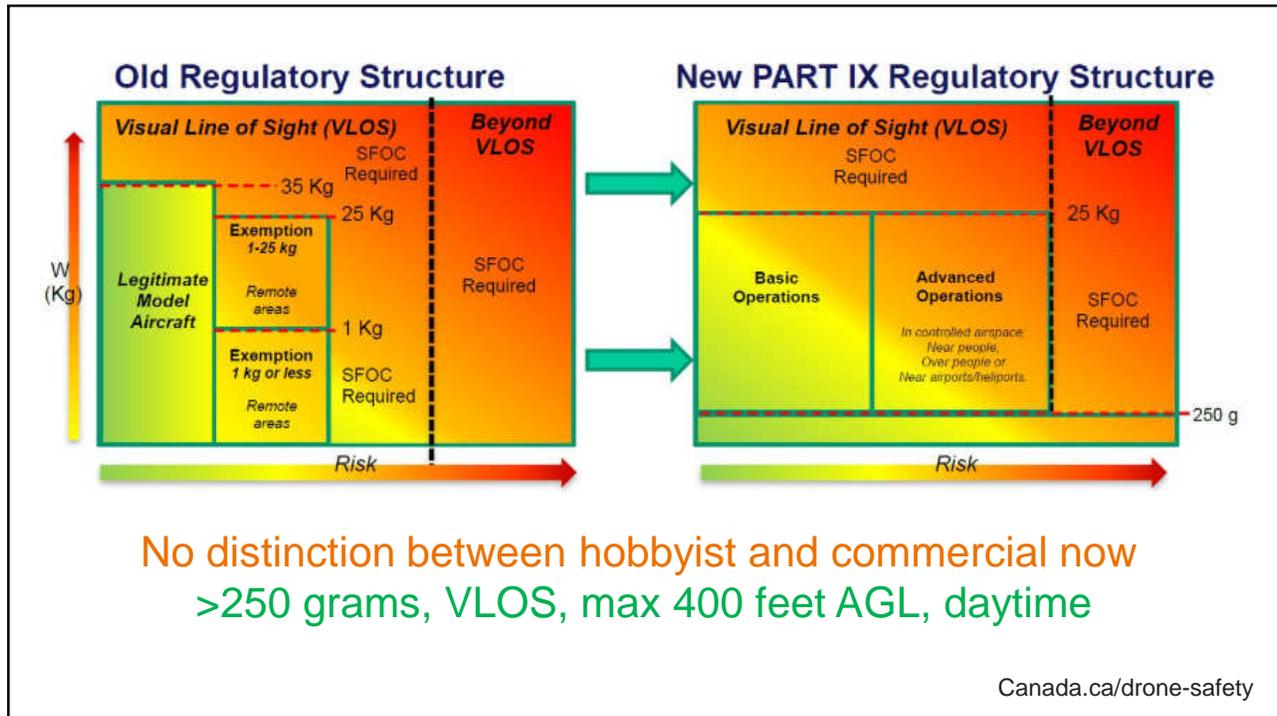
12



13



14



15

## RPAS – Basic Operations

YOU NEED A PILOT CERTIFICATE – BASIC OPERATIONS TO:



Fly  
**+30 m**  
from bystanders





Fly in uncontrolled airspace  
(where no air traffic  
control is provided)



Canada.ca/drone-safety

16

## RPAS – Advanced Operations

YOU NEED A **PILOT CERTIFICATE – ADVANCED OPERATIONS** TO:



Canada.ca/drone-safety

17

## RPAS – Special Flight Operations Certificate

YOU NEED A **SPECIAL FLIGHT OPERATIONS CERTIFICATE** TO FLY:



Canada.ca/drone-safety

18

## Tips for RPAS growth!

- Have an RPAS champion
- Leadership support
- Befriend your Safety, Legal, Insurance and IT teams for success
  - RPAS Operations Manual
  - RPAS Insurance
  - Pilot Training Program
  - Workflows and Checklists
  - Data Storage

Practice, Practice, Practice



19

Kevin Grover, ALS, P.Eng.  
Geospatial Technology Leader (Stantec)

Questions?

20