NAV CANADA

ICAO Drone Enable UTM: Industry Perspective

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NAV CANADA

Serving a world in motion
navcanada.ca

NAV CANADA

UTM: Industry Perspective

ANSP

Facts and figures-VFR and IFR Customers

Private, non-share capital company | **Managing one of the largest regions of airspace in the world**

Fiscal 2021

ACC Traffic:
2.1 million IFR flights
Total IFR Flight Hours: 2.0 million

Tower, FSS and RAAS Traffic:
4.5 million IFR/VFR movements

18 M
Square kilometres of airspace managed by NAV CANADA

More than
100
Staffed Sites

More than
4,000
Employees across the country

45,000+
Customer accounts Crewed Aircraft

The facts and figures presented here were accurate as of 2020.

Facts and figures-UTM Customers

Private, non-share capital company | **Managing one of the largest regions of airspace in the world**

June 2021-Oct 2023

RPAS Traffic:

105,000+ Permission Requests

70% Automatically approved

9%
Annual Growth

137
Control Zones managed with UTM automation

More than
6,000
Advanced Pilot Certificate Users

40,000+
User accounts

The facts and figures presented here were accurate as of 2020.

UTM Implementation Phase 1

2019
Regulations published
CAR Part IX-VLOS

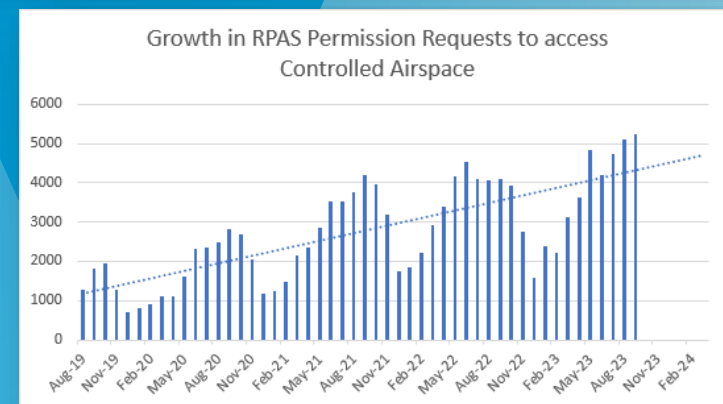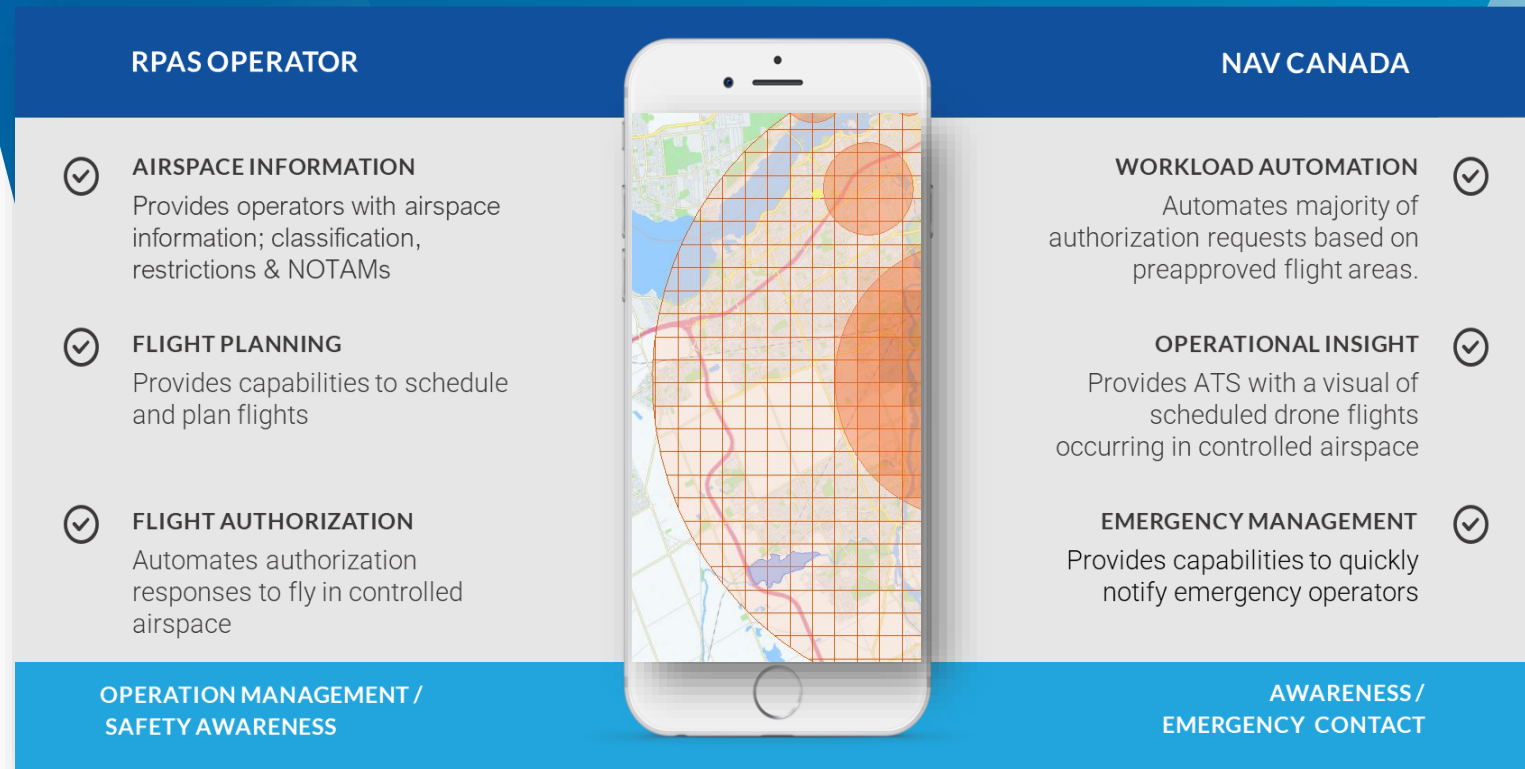**Dec 2020**
NAV Drone Beta

June 2021
National Release-Live
Deployed to 60+ ATS units (web)
RPAS Users (web and mobile)

July 2022
Operational ATS User Review

July 2023
Operational RPAS User Review

The Vision for UTM (RTM)

- A collaborative eco-system contributing to safe and sustainable growth in the RPAS sector

- Emphasis on industry participation to allow accelerated growth and maximize benefits of RPAS

- RTM Service Providers (RSPs) will provide services to operators and pilots
through a combination of software capabilities and infrastructure
to support operations in defined geographic areas

- NAV CANADA will provide a set of centralized capabilities delivered by the
RPAS Flight Information Management System (rFIMS), as well as a software-only RSP

*Implementation will be subject to dependencies including industry growth,
demand for complex operations and a supportive regulatory environment*

Phase 2 UTM in Canada

Safely Enabling RPAS Operations

Visual Line of Sight VLOS

Class G and Controlled Airspace

(2019)

Low Risk Beyond Visual Line of Sight

Class G [Low Ground and Air Risk]

(anticipated 2025)

Medium and High Risk BVLOS

Class G and Controlled Airspace

(target 2030)

Stakeholder Engagement
(RTMAC)

Experiential Learning
(Phase 1, SFOCs, Trials)

RTM
Concept of
Operations

Research and Engagement
International Experience

Working Groups (TC, NC, NRC,
AEAC, DND, Industry, etc.)