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## VATNZ QUARTERLY REPORT Q4 2021

### Executive Summary

Q4 was more or less operations normal for the division.

2021 itself once again saw an increase in network participation with considerable growth in aircraft movements and a small growth in ATC hours compared to the previous year.

The division is currently recruiting a new Events Director and also decided to create a new board position, that of Community Engagement Director. This role is to manage our social media presence and provide a first point of contact for our membership. At the time of writing final decisions are still being made in selecting the new directors from an excellent group of applicants.

### Administrative Report

#### Membership

Membership increased during the quarter from 729 to 758.

The number of active members, that is members who have connected to the network in the last 90 days decreased to 294.

#### Network Activity

Aircraft movements and ATC hours online remained steady and contributed to an overall annual increase compared to 2020.

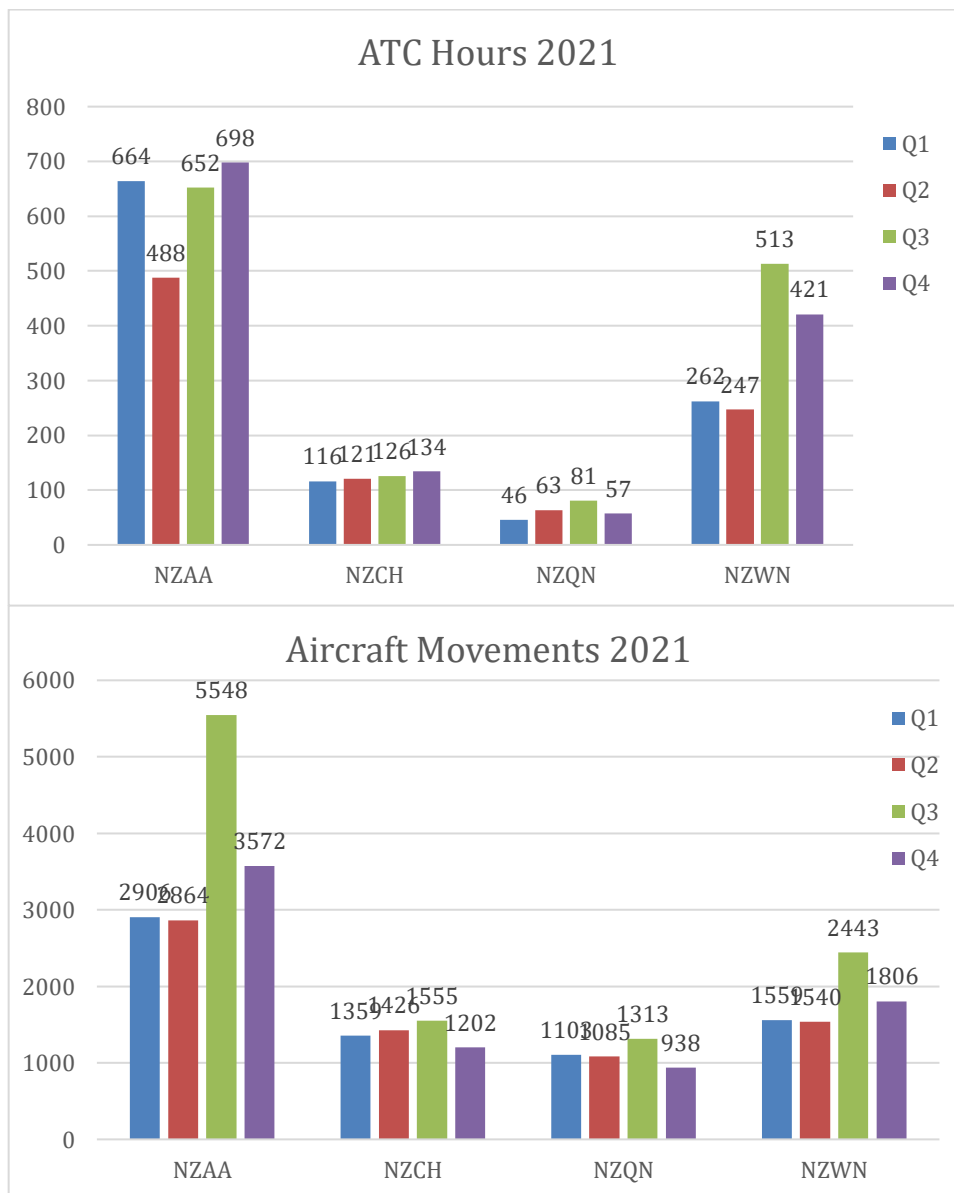
ATC hours increased by 5% to a total of 4689 for the year. Aircraft movements for the year increased by 25% up to 32219.

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### Operational Report

#### Region Activity

Our regions 4 major airports are used as a measure of activity. Each quarter is shown left to right Q1 though Q4





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### Operations Report

The end of the year has signalled a slightly lighter workload for the VATNZ Operations Department, allowing us to better focus on our core outputs in addition to our ongoing projects.

#### Operations Team

Mikey Robinson, one of our core contributors, has taken up the position of Events Director. While Mikey is remaining a part of the Operations Team, his focus will rightfully so be on his new portfolio. I intent to reach out to the Community again in the New Year with expressions of interest for the team.

#### Airspace

We haven't had too many major changes to our airspace in the last quarter – most changes have been confined to minor aerodrome and procedural changes. We expect this to change significantly in the New Year when Airways moves ahead with major Hamilton and Christchurch procedure changes.

We had a small project to realign our Enroute Sectors, which was completed in AIRAC cycle 2112. This realigned our Enroute Sectors with the real-world lateral bounds, introducing a new 130nm 'bump' on the Tasman side of Queenstown.

#### Data

As usual, our Controller Client data continues to evolve with every AIRAC cycle. We have continued to add additional data to our database, enabling new map layers for our clients such as IFR holds and other airspace diagrams.

We have also released another update to New Zealand's vatSpy Data, which required an overhaul due to a change in how VATSIM managed that data. We intend to update the NSFA and NTTT FIRs as a part of the Pacific Refresh project.

#### Projects

At the end of November, the Operations Department released our Standard Route Tool. This Tool enables our Controllers to quickly review a standard route and allow for population into a flight plan. This solves a historical issue New Zealand's Standard Routes being scattered across different sections of the AIP, making it difficult for our



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Controllers to manage them. The Tool has a dedicated vatSys Plugin in addition to a Standalone Client, both featuring the ability to automatically update the Routes database and application itself – making this a very easy process.

Various members of the Community have raised an interest in having a Gate Allocation Tool, allowing for our Controllers to assign gates on the network in line with real-world convention. This tool is currently in the exploratory stages, and we'll hopefully be able to report back with more information in the coming Quarterly.

The Operations Department has also begun exploratory work on a Pacific Refresh project. VATNZ is responsible not only for the NZZC and NZZO Flight Information Regions, but also the NSFA and NTTT FIRs. Unfortunately, the NSFA and NTTT FIRs have not been given the full support that they require. This project aims to improve VATNZ's experience in this area, with the end goal of promoting growth in flights and ATC staffing. A large enabler of this will be an accurate and up to date dataset, in addition to accurate and detailed SOPs. We have started to reach out to various subject matter experts on these FIRs, and work has begun on modifying our Sector File Generator Tool to help enable this.

### Conclusion

In reflection, it has been a tremendously busy year for the Operations Department, and a year that I believe we can be tremendously proud of. At the start of the year, I set a vision for the Department – to provide high-quality data and tools that enable our community and make New Zealand a great place to fly. I am proud to say that I believe we have achieved that.

However, the work doesn't stop here. The Department will constantly seek new opportunities for improvement, and look for new ways to make New Zealand a great place to fly.

Tom Kilpatrick

Operations Director



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### Air Traffic Control Training

#### Staff Changes

- Gary Parata – Appointed Mentor
- Bailey Pellow – Appointed Mentor

#### Commentary

In the real world 2021 proved to be just as hard as 2020. Once again, this was also reflected on VATSIM with the high increase in demand for training. In 2021, the VATNZ Training Department completed 50 new controller ratings. This is up by 13 from last year. I'm excited to continue to see growth and development within the training department within 2022.

We would like to congratulate the following controllers who have completed a VATNZ ATC training course in Q4 2021.

- Manahi Waikai – Procedural Tower
- Ronan Sain – S2
- Levi Daniel – S3
- Gary Parata – S3 + C1
- Nick Winter -S2
- Tejas Lamb – S3
- Murphy McMillan – S3
- Tom Gregory – Oceanic Endorsement
- Scott Pudney - S3
- Leon Fenemor – Procedural Tower
- Mikael Tan – S2 VC
- Oliver Gregory – S2
- Tom Lyall – C1

#### Updates

Project Standardise continues to be a strong focus for the Training Department. However, due to the high demand for controller training and real-world activities new content such as the TMA course continues to be placed on hold until such time as there is more free time. In addition, refinements in courses and assessments are continued to be reviewed as improvements are identified.



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### Conclusion

Once again, the ATC Training Department wishes to thank the community for their continued support, understanding and patience during this time. If you are interested in joining the VATNZ Training Department please make your voice heard! Furthermore, if you are currently in training, get in touch with your VATNZ mentor and organise a session. If you see any content that you believe might need updating or something that you wish the Training Department could improve on let Cam know by [cam@vatnz.net](mailto:cam@vatnz.net). On behalf of the entire Training Team, have fun with your new ratings and remember our door is always open.

Rating	Completed	Terminated	In Progress	In Theory
Student 2	3	0	7	3
Student 3	5	0	2	1
Controller 1	2	0	1	0
Procedural Tower	2	0	0	0
Oceanic Endorsement	1	0	0	0
Visiting Controller	1	0	0	5
In Total	14	0	10	9

Cam Tyson

ATC Training Director



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### SIGNATURES & ENDORSEMENTS

By digitally signing below, the Region Staff Member authorizing this report hereby testifies to its truthfulness to the best of their knowledge and ability.

Andrew Moseley      Division Director      Date: 9 Jan 2022