

NSS WORKING GROUP Mtg 41 (11 June 2021) – KEY MESSAGES

PBN Regulatory Framework NPRM

- Feedback from the recent NPRM suggested that the proposed AC91.xx was overly prescriptive. Following a review of the various submissions, CAA subject matter experts felt some valid points were made – improvements to the proposals are now being considered. The remainder of the PBNRF NPRM package remains on track.

UAV / Drone Integration

- Balance needs to be struck between innovation and maintaining safe standards
- Enabling Drone Integration Consultation feedback to MoT was generally positive
- Industry would like more regulation that will aid, rather than hinder, growth
- All Government Ministries / Agencies that have a stake in this space are collaborating on regulatory development

Metservice update

- The number of certified QNH locations is to be increased
- Milford Sound will soon become a fully Automatic Weather reporting and forecasting site, including webcams
- Policy on Space Weather advisories is being developed by CAA under ICAO guidelines
- MetFlight website replacement joint development programme with Aeropath is underway

Airways Update

- Work around the contingency cooperative and non-cooperative surveillance systems continues. Airways will brief the NSS Governance Group at their June meeting on progress, and the Working Group will be updated at the next Working Group meeting.

ADS-B Uptake Rates, Grant Scheme

- A good increase in ADS-B uptake in May (65 new installations detected), following a reasonable month in April (47). **The total number of ADS-B OUT equipped aircraft now stands at 1532.**
- More Special Category and Microlight aircraft are now being seen to equip, with many likely taking up the additional equipment options available following the revisions to NTC91.258. Some gliders and balloons were detected in April, so it will be interesting to see if this trend continues.
- As of 23 June 2021 there have been 1362 applications to the ADS-B Grant Scheme, and 1023 Claims submitted. By the end of May 2021, 940 Claims have been approved totaling just over \$2.75M.

System Assessment

- An NSS system assessment, based on the planned 2023 system configuration, has been conducted at the Airways Simulator in Christchurch. CAA, Airways, Air New Zealand and NZDF were the main participants, with input from across the sector. The assessment determined that the proposed system is capable of meeting safety objectives, but some important lessons have been learned, and new procedures will need to be developed to improve our response to large scale GPS disruption events.

Benefits Evaluation

- The NSS Benefits Evaluation 2021 has been completed. It shows that benefits realization has largely been in line with previous cost benefits analyses. While in 2020 COVID-19 has impacted benefits delivery it also showed that with NZ at alert level 1 domestic aviation activity is 82%, ensuring that significant benefits are still being delivered. PBN (2015 – 2020) has delivered considerable benefits through avoided CO2 emissions (15.4M Kg), fuel saved (4.88M Kg / 3.04M \$NZ), Aircraft Direct Operating Costs reductions (7.26M \$NZ), and Passenger value of time (5.74M \$NZ)

NSS Transition Plan Programme Team Stand Down

- The NSS Programme Team will stand down on 30 June 2021. However, the Programme will continue until the end of 2023. Key messages will still be shared quarterly; all outstanding workstreams have been transitioned into day to day CAA operations, as well as ongoing commitment from external project owners. The NSS Working Group and Governance Group will continue to meet every 6 months to review progress and ensure Programme delivery and benefits realization.