

NSS WORKING GROUP Mtg 45 (14 June 2023) – KEY MESSAGES (Note the last NSSWG will be on 7 December 2023)

MoT Update

Enabling Drone Integration submission has been awaiting action by government. MoT hopes to get Cabinet approval before the pre-election period begins in mid-July. Uncrewed Traffic Management engagement paper will be progressed and further engagement is planned for the rest of 2023.

Airways Update

ATM – Final implementation of Skyline-X and use of new ATC centre at Christchurch delayed due to voice comm issues. PSR / SSR - Indra will deliver three new combined Primary Surveillance Radar (PSR) and Monopulse Secondary Surveillance Radar (MSSR) systems to replace existing systems for Christchurch (Jan 24), Auckland (Nov 24) and Wellington (Sep 25). Christchurch installation underway. MON - 3 VORs Aeropath procedures are planned for Dec 24 and further 5 are planned for June 25. is underway

CAA Update

SATVOICE - While the Product Certification Unit has been able to progress a constrained equipment standards assessment that will be fed into the NSS Satvoice project, the IRS team to progress the Civil Aviation Rule amendment required to fully enable this technology within the regulatory framework. This work has been incorporated into the Part 91 Appendices policy project.

LINZ Update

The SouthPAN project has progressed to the implementation phase. The first satellite payload is contracted with INMARSAT for delivery in 2027. Procurement of a second satellite has begun. NZ ground site surveys (including Antarctica) have been completed. Note that the date for Aviation Safety of Life Service is now 2028.

AIMS CONOPS MetService/Aeropath

Replacement of MetFlight and briefing component of the IFIS side combined into a new one-stop shop called **'Pre-flight'** A great example of collaboration and tangible output from the NSS CONOPS initiative. 6500+ users; 64 data feeds with five minute updates. 100k + briefings generated.

AIMS CONOPS NZDF/Aeropath

Collaborative approach NZDF and Aeropath – **'Flight Advisor'** provides a web-based planning tool that gives situational awareness during planning of low-level activity, and an opportunity to record low level obstacles (such as wires and towers) on a map where they may be currently missing or incorrect on VNC. Developed for the NZDF, this now incorporates Airshare inputs. 1000+ registered users; 40+ unknown/uncharted low level airspace hazards in uncontrolled airspace identified.

CPDLC

Definition and agreement of Concept of Operations; Proposed message set scenario workshops and agreement; Initiation of Requirements definition; Initiation of Airways project scope and BIC activities. CPDLC to be driven by airspace users subject to provision of an appropriately scoped safety case specific to the Domestic FIR. No indication of a timeline for provision of that safety and who might produce it. Forecasting September 2023 for start of project implementation.

ADS-B Uptake Rates, Grant Scheme

The 31 December 2022 mandate for ADS-B OUT in controlled airspace passed without incident. Since the mandate, a further 324 aircraft have equipped with ADS-B OUT, taking the total number of aircraft equipped to 2938 (almost 60% of the total aircraft register). In addition, almost 90% of the target sector (those aircraft known to enter controlled airspace) are now confirmed to be equipped.

The ADS-B Grant Scheme is confirmed to close on **30 June 2023**. Those aircraft operators wishing to claim a grant must have their equipment installed, have conducted a flight in controlled airspace, and submitted their claim by no later than 30 June 2023.