

## Kiwisat – Centenary Launch Objectives

### **Objective: To have KiwiSAT flying to mark 100 years of NZART (August 2026)**

The following schedule does not claim to be definitive. It is a discussion document outlining, with only very rudimentary knowledge of the project, what I think is a pragmatic view of our task. It turns out to be a four year task. The more we can do in parallel (rather than sequentially) could reduce the time frame.

With some idea of what the term “countdown” means, the analysis starts at the end, and works back to the present. Time periods are in months.

Assumptions made: Booking time for flight is 12 months. We can raise part of the launch fee, then book our flight while we raise the remainder which is paid 6 months before the flight .

Activity No.	Activity description	Objective Dates
1	Satellite features opened for general use	June 2026
Stage 9	Ground station livens and checks out supervisory systems, transducers, and Beacons and orbit. (Duration: 1 month)	
2	Satellite is ejected from the launch vehicle	May 2026
Stage 8	(Duration: 4 months) Launch Company needs to arrange the flight details, and the separation at the completion of the flight, and has to ensure the commencement of the right orbit.	
3	Kiwisat (Plus a reserve dummy) delivered to the launch company	Jan2026
Stage 7	6 Months. Remainder of flight booking lead time.	
4	Pay remainder of Flight cost	June 2025
Stage 6	(6 Months) Raise the remainder of the flight fee (A further \$US500K)	
5	Book flight. Total overall of 12 month waiting list for flights Pay the flight deposit.	Jan 2025
Stage 5	(6 months) Raise the initial tranche of the flight fee (probably \$US500K)	
6	Commence the fundraising	June 2024
Stage 4	(6 Months: Visit prospective funders. Determine what features they would require in order to put some funding in. Add modifications as necessary to Kiwisat.	
7	Commence Preparation of Marketing Plan.	Jan 2024
	Complete “Shake Test”	Dec 2023
Stage 3	(6 Months) Schedule “Shake Test” in a certified Laboratory. Transport to and from Lab.	June 2023
Stage 2	(12 months) do all the modifications to Batteries, Solar Panels, control software, and other miscellaneous enhancements (Shake test?). Includes booking a third party company to build new solar panel frames because new solar modules are a different size from the prototype, and will no longer fit the existing mounting frames. (\$30K?)	
8	Commence getting Kiwisat in its present form fully flight ready. Publicity. Seek initial funding from AMSAT Member contributions. This is the Drop Dead date.	June 2022
Stage 1	(12 months) Get team together. Get agreement from NZART Branches. Discuss feasibility. Assign responsibilities. Prepare a critical path schedule. . Re-register ITU and IARU bureaucratic requirements. Check out all the regulatory aspects. Find a competent technician/engineer to do the technical hardware work.	
9	Commence Project	June 2021