BMFA Fixed Wing A and B Certificate Sequence Caller for FrSky Taranis

This EEPROM contains sequence callers for practicing the BMFA Fixed Wing A and B sequences. Calls are triggered by a short press of SH, and the sequence is reset (with an audible confirmation) via a long press of SH. The sequencer increments GVAR5 with each press of SH, so if **your model already uses GVAR5 you will need to change something!** The sequencer is set up as follows:

#	A certificate sequence		B certificate sequence	
	Call	Sound file	Call	Sound file
1	Pre flight checks following BMFA safety codes (tether)	zCert1	Pre flight checks following BMFA safety codes (tether)	zCert1
2	Carry out (not taxi)	zCert2	Carry out (not taxi)	zCert2
3	Take off and constant height circuit.	zCert3	Take off and constant height circuit.	zCert3
4	Constant height figure of 8 (start into wind, crossover in middle)	zCert4	Constant height figure of 8 (start into wind, crossover in middle)	zCert4
5	Call landing, rectangular approach and landing	zACert5	Into wind inside loop in front of pilot	zBCert5
6	Retrieve if necessary.	zACert6	Downwind bunt from the top in front of pilot	zBCert6
7	Take off and constant height circuit.	zCert3	Two consecutive left rolls into wind (not too fast)	zBCert7
8	Rectangular constant height circuit, opposite direction to landing circuit.	zAcert8	Two consecutive right rolls down wind (not too fast)	zBCert8
9	Dead stick landing from 200ft, starting into wind over landing area (call landing).	zACert9	Stall turn away from the flight line (downwind or upwind)	zBCert9
10	Remove model from strip and complete post flight checks following BMFA safety codes.	zCert10	Gain height, 3 turn spin, initial and exit heading the same.	zBCert10
11			Call overshoot, rectangular landing approach and overshoot from below 10ft, return to circuit height.	zBCert11
12			Rectangular circuit opposite to landing circuit at constant height, no more than 40ft	zBCert12
13			Call landing, rectangular approach and landing (within 30ft for B Cert)	zBCert13
14			Remove model from strip and complete post flight checks following BMFA safety codes.	zCert10

All the sounds are within the zip file – simply paste them into the "Sounds/en" folder on your Taranis.

To transfer the sequencer open the relevant sequencer memory and the target model in C9X. Copy across the custom switches from the sequencer into the same positions in the target (i.e. CSI→CSI), and then the custom functions into any vacant slots you like; done. Happy flying!

Matt Brett, Jan 2014

Pre-flight checks / Disclaimer - Although this setup has been tested, it is up to the pilot to ensure all controls respond correctly under all conditions. I cannot be held responsible for any bugs in the setup or documentation, so please remember to test your model setup thoroughly before flying!