

Airborne Early Warning and Control (AEW&C)

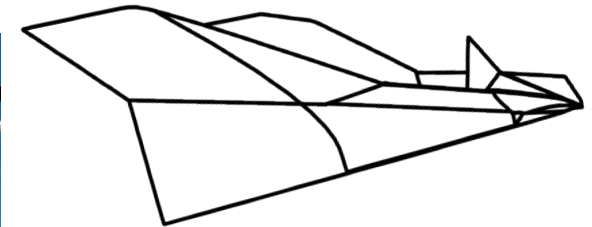
A plane with a crest, the E-7A AEW&C, has a multi-role electronically scanned array radar above the aircraft. This provides situational awareness to control the airspace, essential to keep people safe.

Centenary snippet

RAAF E-7As were rotated in operations in the Middle East in 2014. Over 550 missions were flown, amounting to 6,900 flying hours - including one record breaking mission sortie over 17 hours. Crews on these missions would routinely manage more than 80 combat aircraft at once.



Farman Shorthorn. Early Warning was via visual observations



MISSION - CONTROL AND PERSISTENCE

Just like controlling airspace is important, so too is controlling your excitement. Cockatoos are notorious for 'losing it' with ear piercing screeches but as a PAPER PILOT, you've got to play it cool and use your training. Always make sure you have clean airspace around you before flexing your flying capability, making tweaks to gain controlled flights. Tweaks typically are one of these three adjustments:

- 1) "If it dives, elevators can revive" - if your plane dives, pinch up tiny elevators in the trailing edges of the wing near the middle.
- 2) "If it's stalling straight, adjust your weight" - adjust by folding/concentrating more weight (paper) into the nose.
- 3) "If it's out of control, give it a bowl" - check the dihedral angle is as shown in the steps.

Fun Fact:

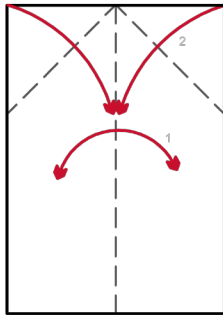
Squadrons have a motif, for THE PAPER PILOTS it's bacon, for 32 Squadron it's Cockatoos (Sulfur Crested). 'Adaptable' is the Squadron motto. A Cockatoo adapts its look, one minute - casual quiff, the next - a crazy crest. Throughout its history 32 Squadron has adapted. Now operating the King Air 350, it can be configured for a number of specialist roles.

INSTRUCTIONS

Follow steps to fold 'The Cockatoo'.

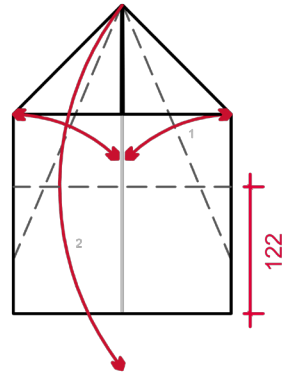
— — **VALLEY FOLD**

— — — **MOUNTAIN FOLD**



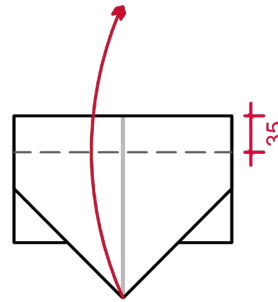
STEP 1

First fold the paper in half then unfold. Then fold the top corners in to meet the centre crease.



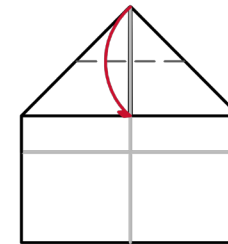
STEP 2

Fold sides in then unfold. Then fold down as shown.



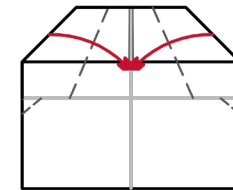
STEP 3

Fold back up as dimensioned.



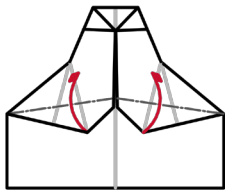
STEP 4

Mountain fold the nose over to the back.



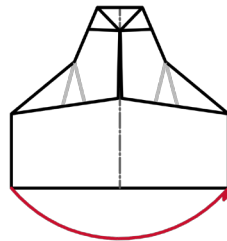
STEP 5

Fold the wings in to meet the centre crease.



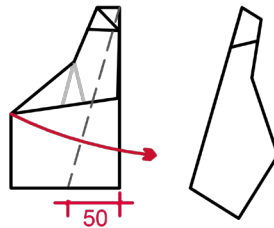
STEP 6

Mountain fold and tuck tabs in under as shown.



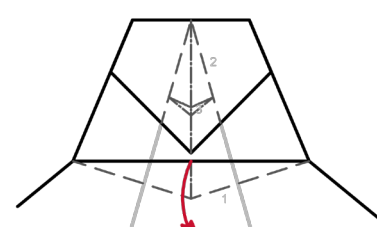
STEP 7

Mountain fold in half along previous crease.



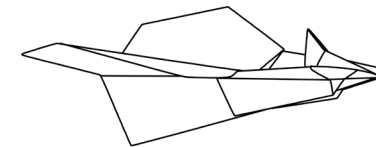
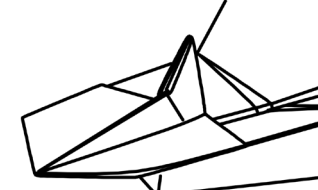
STEP 8

Fold first wing down noting the dimension provided, then match the second wing up to the first.



STEP 9

Flatten out so the top surface is visible. First invert the horizontal fold in the middle of the plane. Then invert the nose to become a crest. Then make an outside invert fold to make the crest pivot slightly as shown.



FLYING TIP

Re-establish the wing folds and trim a positive dihedral angle. Pinch in small elevator adjustments if needed.

