INSTRUCTIONS FOR CREATION OF PITOT STATIC INSTRUCTIONAL AIDS

RESOURCES

- One sheet of Bristol board per training aid,
- One brass Acco fastener per training aid,
- Pencil,
- Compass from a geometry set,
- Ruler or straight edge,
- Coloured markers, and
- Poster board for making dial hands.

INSTRUCTIONS – ASI

1. Draw a representation of an ASI centred on the Bristol board. This will include all of the numbers and coloured arcs/lines. Use figures located at Annex D as guides for layout.

2. Colour in the arcs and lines with the appropriate colours for the green arc, yellow arc and red line. Colouring in the white arc is optional as it is not covered in PO S331.

3. Cut out a dial hand from the poster board.

4. Attach the dial hand to the centre of the representation using the brass Acco fastener.

5. Ensure that the hand can move when needed, but there is enough friction to keep them from moving on their own.

INSTRUCTIONS – ALTIMETER

1. Draw a representation of an altimeter’s face centred on the Bristol board. This will include all of the numbers and graduated lines in between the numbers. Use figures located at Annex F as guides for layout.

2. Cut dial hands from the poster board to represent the hands of an altimeter.

3. Colour in the altimeter. To add variety of colour, use yellow and black for the polygon shape under the hands pivot point.

4. Attach the hands to the centre of the altimeter representation using the brass Acco fastener.

5. Ensure that the hands can move when needed, but there is enough friction to keep them from moving on their own.

INSTRUCTIONS – VSI

1. Draw a representation of a VSI centred on the Bristol board. This will include all of the numbers on the positive and negative scales. Ensure that zero is located on the left side. Use the figures located in Annex G as guides for layout.

2. Colour in the VSI.

3. Cut out a dial hand from poster board and attach it to the centre of the representation using the brass Acco fastener.

4. Ensure that the hand can move when needed, but there is enough friction to keep it from moving on its own.

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