

Presentation Outline

9/13/09

Date presented _____

Subject: Visual search patterns

Ref: [http://www.gocivilairpatrol>members>ES>Ed and Trng>Mission Aircrew and Flightline Curriculum>Operational Mission Inflight Guide \(last item in list\)](http://www.gocivilairpatrol>members>ES>Ed and Trng>Mission Aircrew and Flightline Curriculum>Operational Mission Inflight Guide (last item in list)

Object: Cover MO and MS SQTR requirements for visual search patterns. ("Assist in planning and performing a _____ search.")

Points:

1. Intro

- object of search (typically a downed a/c)
- what we will cover
 - describe the various visual search patterns
 - discuss how the MO/MS can "assist in planning and performing"

2. Search patterns

- route searchfirst search – quick.Illustration 1
- grid (parallel track).most common.Illustration 2
- creeping line.a more thorough route search.Illustration 3
- expanding squareapproximate target location is knowIllustration 4
- sector search.target location closely known.Illustration 5

3. Review lat/ long & track spacing during aboveIllustration 6

4. What the MO/MS can do to assist and perform

- plot the search on a sectional chart (a current chart and ID risk areas) Illustrations 7 & 8
- set up a GPS waypoint for the starting point
(we'll cover setting up a waypt another time)
- set up the GPS (or sometimes the nav radio) to navigate to the starting point
(we covered a GPS Direct To in March, 2009)
- assist pilot by providing lat/long or distance along track or other info needed to fly the search
sample worksheets from the reference
 - grid search worksheetIllustration 9
 - expanding square worksheetIllustration 10

5. Note: The SQTRs include some other items, but we'll cover those separately another time. E.g.

- estimate time to and from and in search area
- estimate fuel rqmnts
- fill out Form 104
- operate comm/nav radios and make reports to Mission Base

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