



THE GLIDING FEDERATION OF AUSTRALIA

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LOOKOUT SCAN

This paper defines the different SCAN techniques recommended for use by glider pilots and indicates WHEN to use each technique and WHAT to do.

<u>NAME</u>	<u>SCAN PROCESS</u>
CRUISING SCAN	Forward conical scan 60 deg.left/right. Up and down.
FULL SCAN	Complete visible sky scan. Each side, above and below, behind each side round to as far back as possible. Vital for situation awareness.
TARGETED SCAN	Used in specific circumstances. Scan concentrates on that part of the sky where the hazard is expected.

When to use each technique.

<u>FLIGHT ACTIVITY</u>	<u>SCAN REQUIRED</u>
CRUISING Constant heading, constant attitude.	CRUISING SCAN plus regular FULL SCAN
CHANGE SITUATION Eg. Approach gaggle, approach aerodrome, final glide, etc.	Ongoing CRUISING SCAN plus regular FULL SCAN plus TARGETED SCAN specific to the situation.
FLIGHT MANOEUVRE Eg. Pull up, turn etc.	Ongoing CRUISING SCAN plus regular FULL SCAN plus TARGETED SCAN specific to the situation.

NOTE! The frequency of use of FULL SCAN and TARGETED SCAN in each Situation or Manoeuvre will be adjusted by your SITUATION AWARENESS.

SPECIFIC EXAMPLES.

FLIGHT SITUATION

SPECIFIC REQUIREMENT

Start point	Full scan. Up/down. Left/right
Turn point	Full scan. Up/down. Left/right. Check opposing, crossing tracks. Into and exit from Turn Point.
Approach airfield	Full scan. Radio alert. Check crossing tracks. Approaches and Departures
Final glide	Full scan. Radio alert. Watch for finishing gliders. Circuit traffic.
Circuit	Targeted scan. Radio alert. Watch for power aircraft. Watch for modified circuits.
Receive nearby radio call	Full scan. Target traffic location.

FLIGHT MANOEUVRE

SPECIFIC REQUIREMENT

Veering	Prior to veer, scan in direction of veer including behind and up. NB. This is more than clearing the airspace you are about to enter
Turning	Prior to turn, scan in direction of turn, behind and up and down. Continue to look through turn. Look for following gliders.
Pull up	Prior to pull up, look each side, and behind each side and overhead as high as possible
Approach thermal	Full scan above and below. Look for thermalling gliders and approaching gliders. Look for opposing gliders leaving or traversing the thermal.
Thermalling	Maintain horizontal and vertical separation. Look for gliders joining.
Leaving thermal	Full scan. Look down. Commence cruising scan plus full scan process.