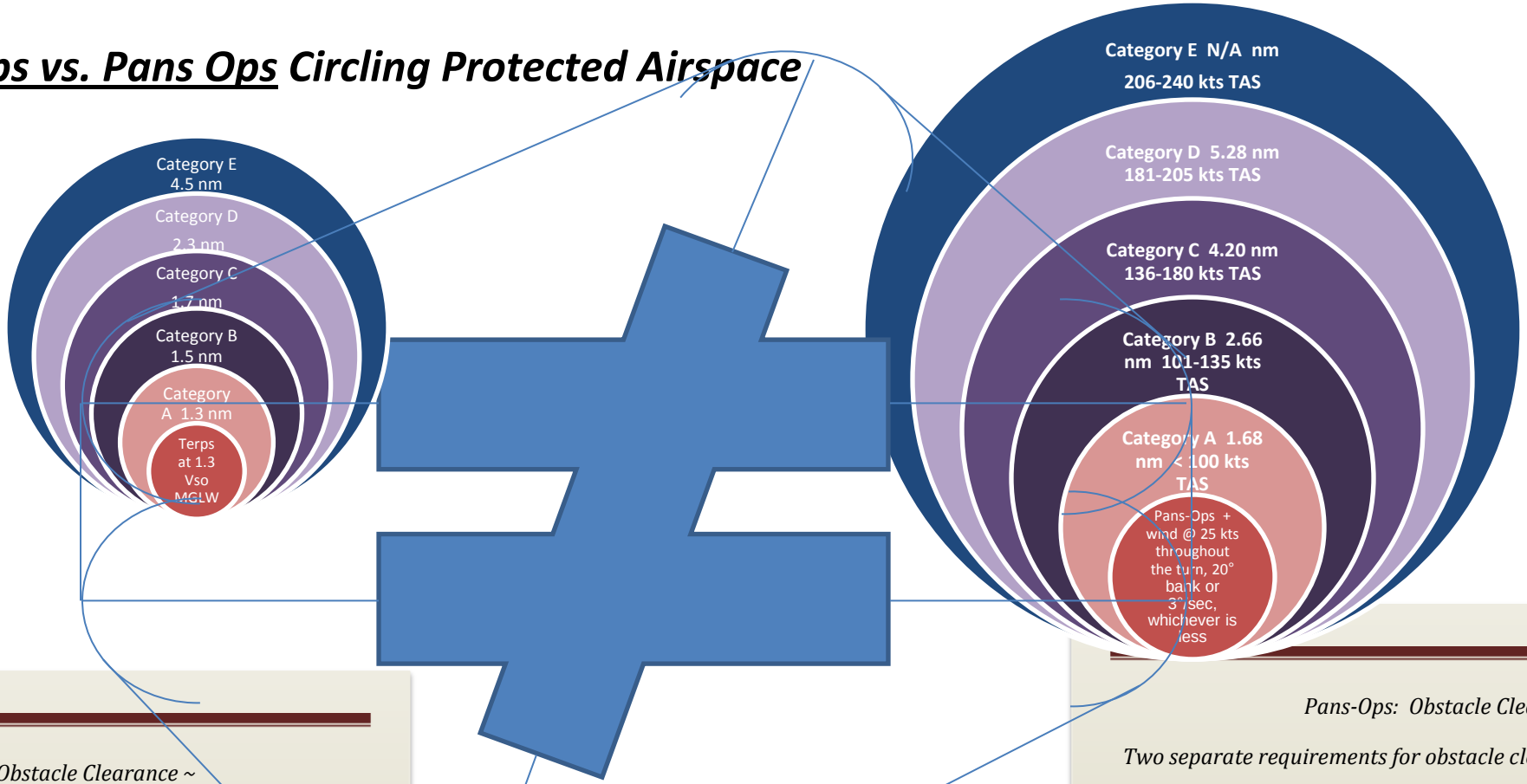
Terps vs. Pans Ops *Circling Protected Airspace*



Terps: Obstacle Clearance ~

At least 300' within the entire circling area

There is no secondary area. Leave the primary area and there may be no clearance

Areas can be eliminated and circling prohibited within

The resulting MDA must not be > the FAF altitude, nor below the straight in MDA.

Circling is a VISUAL maneuver – r/w lights or special circling aids must be kept in sight while at the MDA for circling

Lose it – initial turn towards the runway for the approach, then follow the MAP

So…what is your ground speed and radius in your circle in the GX @ MLGW?

Alt.	*IAS*	*TAS/GS*	*Radius*
SL	*128*	*128*	*.7 nm*
6000'	*128*	*143*	*.8 nm*
12000'	*130*	*161*	*.9 nm*

Now…add some tailwind…where are you?

Pans-Ops: Obstacle Clearance ~

Two separate requirements for obstacle clearance:

- Minimum Obstacle Clearance

-Lowest Obstacle Clearance Height

Cat: A	*MOC (ft)*	*295*	*OCH*	*394*
Cat: B	*MOC (ft)*	*295*	*OCH*	*492*
Cat: C	*MOC (ft)*	*394*	*OCH*	*591*
Cat: D	*MOC (ft)*	*394*	*OCH*	*689*

Minimum clearance is highest of the obstacle altitude + MOC or lowest OCH

Before an area is designed, all speeds above are converted to TAS for the procedure altitude at ISA. In warmer climates, higher temperatures should be considered with corresponding higher TAS.