

CHARACTERISTICS OF SURFACE BASED FIRES

MAXIMUM VERTEX HEIGHT

- The Maximum vertex height (MVH) is the highest altitude that a round from surface based fires will reach.
- Pass to aircrew in feet above mean sea level (ft AMSL)
- To convert meters to feet: **MULTIPLY HEIGHT IN METERS BY 3.28**

GUN TARGET LINE

- The Gun Target Line (GTL) is the magnetic bearing from the barrel of a surface fires asset to the target
- Pass to aircrew in degrees
- To convert mils to degrees: **DIVIDE BEARING IN DEGREES BY 17.77**

TIME OF FLIGHT

- The Time of Flight (TOF) is the time taken for a surface based fires round to travel from the end of the barrel of a surface fires asset to impacting the target
- Pass to aircrew in seconds

