

Telemetry Worksheet

The following questionnaire is provided to assist Aero Telemetry and you in determining the final system configuration required for your telemetry application.

GENERAL PARAMETERS

Data Rate and Bandwidth Required:

Type of Data (circle one)

TTL RS-232 Other:

Is Video Required? Yes No Specify Modulation Required (circle one)

FM QPSK BPSK PCM FSK Other:

AIRBORNE VEHICLE PARAMETERS

Specify Type of Flight Vehicle:

Distance from Air Vehicle to Receive Site in Miles:

Min: Max:

Communication Path (circle one)

Line of Sight
Cross-Continent
Upper Atmosphere
Flight Range Topographical Environment (circle one)

Mountains Desert Flat Land Over Water Hills Other: Single Frequency or Synthesized? (circle one)

Preferred Frequency of Data Link:

Power Available (circle one)

120 VAC 12 VDC 28 VDC Other:

GROUND STATION PARAMETERS

Maximum Climb or Decent Angle of Vehicle:

Describe Location of Receive or Tracking Site:

Altitude of Ground Station (MSL):

Ground Station Antenna Placement (circle all that apply)

Tower Pole Roof Top
Concrete Slab Mobile Trailer Man-Portable

Airborne Shipboard Other:

Power Available (circle one)

120 VAC/60 Hz 240 VAC/50 Hz

12 VDC 28 VDC

Probability of Acquisition Required:(typically 95%)

Is Remote Control of Antenna And Receiver Required? Yes No

Single Frequency or Synthesized Receiver? (circle one)

Is Tracking Antenna Required? Yes No

Is Video Camera on Tracking Antenna Required? Yes No