





















 Modern GPS units contain many settings that can serve as quality checks during data acquisition. For instance, a minimum number of visible satellites can be specified for data acquisition. The unit will provide a warning signal if less than the minimum specified are available. Four satellites in view are the minimum required, but additional satellites can provide the receiver with stronger signals to select from and perhaps better geometry for calculation.

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	Detter	Description:	O
DOP Value	Rating	Description	Suggested Quality Catgry
1	Ideal	Highest possible confidence level	I
2-3	Excellent	Most demanding needs	l or ll
4-6	Good	Appropriate for most needs	II, III, or IV
7-8	Moderate	Less demanding needs	IV
9-20	Fair/Poor	Rough estimate/Discard	Not Rcmnded









	Section 2: Requir	GPS QAP ements	Ρ
G5G Element	Description	Simple QAPP	Complex QAPP
A.3.c.	Sat. Observation Window	Not Calculated	Calculated
A.3.d.	Control Configuration	Use DOP Settings	Differential Correction
A.5.a.	Data Quality Objectives	≥ 10 Meters	< 10 Meters
A.5.b	Receiver Performance	$PDOP \leq 6$	$PDOP \leq 4$
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Section 3: Example of Pre- completed approach					
Report	Content	Frequency			
Project Status Report by Project Manager	Status of Tasks in Section A.4 above	Bi-Weekly Updates			
Data Acceptance Report by the GPS Operator	Data Collection, Quality Check Results and Processing Results	Once Upon Completion			
Final Project Report by Project Manager	Summary of Project Accomplishments	Once Upon Completion			





