Method	**Self Potential (SP)**	Q28.1
Principle	Self Potential method is based on measuring the natural potential differences between any two points on the ground	
Other information		
Devices		
Apparatus in use	Voltmeter (mill voltmeter) and two non-polarized electrodes	
Measured components or/and quantities	Electric potential	
Units	volt (V) or mill volt (mV)	
Reading accuracy	Depending on an used voltmeter	
Other information		
Measurement		
General	Potential measurements are generally done between a base point electrode and a moveable electrode with a voltmeter. On the other procedure both electrodes are advanced together along profile (gradient array).	
Measured quantities	Electric potential	
Measuring parameters	Potential (mV) or gradient (mV/m)	
Quality requirement of reading accuracy		
Maintenance of reading accuracy		
Standard error of mean values of repeat measurements		
Location	Error of XY: (GPS) < 5 m, < 2 m (Focus-GPS), < 0.5 m (VRS-GPS) Z: not usually measured Typical mean error for station coordinate, 2 m (after correction) Typical mean error for line coordinate, 5 m (after correction)	
Repeat criteria	Measurements are repeated when lateral deviation is greater than half line interval or closure error is greater than point interval.	
Other information		