

















Scenario	Situation	Geospatial dataset accuracy information needs updating?
1. Nationwide Datum Readjustment	New reference frame	No
	New National Deformation Model	No
	New or removed marks	No ¹
	New observations to existing marks (which have not physically moved)	No
2. Local Geodetic Control Update	New or removed marks	No ¹
	New observations to existing marks (which have not physically moved)	No
3. Deformation Event	New LDM	Yes
	New observations to existing marks (which have physically moved due to deformation)	Yes









Scenario / Situation	Classical least squares	Block least squares	Inter- polation*	
1. Nationwide Datum Readjustment				
New reference frame	x	x	√	
New National Deformation Model	x	x	V	
New or removed marks	x	\checkmark	x	
New observations to existing marks (which have not physically moved)	x	x	V	
Xey ↓ = potential method · = potential method in some situations (eg small adjustments) (= not a feasible method				
*Assuming accuracy information, where required, is obtained from an Accuracy Function				

linueu	Scenario / Situation	Classical least squares	Block least squares	Inter- polation*	
	2. Local Geodetic Control Update				
	New or removed marks	•	\checkmark	х	
	New observations to existing marks (which have not physically moved)	•	V	V	
	3. Deformation Event				
	New LDM New observations to existing marks (which have physically moved due to deformation)	•	√	√ √	
	Key $\sqrt{4}$ = potential method• = potential method in some sitx = not a feasible method	ts)			
	*Assuming accuracy informatio Accuracy Function	ed from an			









