

Performance Area	Metric (explanations below)	Units	Performance Standard			
			Hi-Risk Urban Areas	Mod-High Hazard Areas	National	Global
<b>Seismic Monitoring/Strong Earthquake Shaking</b>						
1.1	Magnitude Completeness Level	M	2.0	2.5	3.0	4.5
1.2	Epicenter Uncertainty	km	2	5	10	20
1.3	Depth Uncertainty	km	4	10	10	20
1.4	Magnitude Uncertainty for $M \geq 4.5$	M	±0.2			
1.5	Magnitude Estimation Accuracy (Md, MI, Mo, Mb) for $M < 4.5$	M	to be determined			NA
1.6	Network average station uptime	%	90			
1.7	Waveform Data Return Rate for Triggered data	%	95			NA
<b>Real-Time/Automated Product Generation</b>						
2.1	Hypocenter Post Time	min.	2	4	6	15
2.2	Magnitude Post Time	min.	3	4	6	15
2.3	Moment Tensor Post Time $M \geq 4.5$ ( $M \geq 5.5$ non-US)	min.	15			30
2.4	Initial <i>Internet Quick Report</i> Post Time $M \geq 3.5$	min.	15	15	30	NA
2.5	<i>ShakeMap</i> Post Time	min.	5	10	15	20
<b>Preparation of Seismologist-Reviewed Products for Significant Earthquakes</b>						
3.1	Reviewed Hypocenter Post Time	min.	10			20
3.2	Reviewed Magnitude Post Time	min.	10			20
3.3	Reviewed Moment Tensor Post Time $M \geq 4.5$ ( $M \geq 5.5$ non-US)	min.	30			
3.4	Reviewed <i>Internet Quick Report</i> Post Time	min.	30	45	60	NA
3.5	Reviewed <i>ShakeMap</i> Post Time	min.	15	30	30	60
<b>Data Exchange Between ANSS Networks</b>						
4.1	Waveform Availability Timeliness	sec.	30		60	
4.2	Amplitude Availability Timeliness	sec.	30		60	
4.3	Phase Picks Availability Timeliness	sec.	30		60	
<b>Data Archiving and Public Distribution</b>						
5.1	Availability of Waveforms to External Users	min.	60			
5.2	Availability of Event Bulletin (parametric data)	min.	60			120
5.3	Metadata availability (current)	%	99			
5.4	Data import into archive	%/t	to be determined			