

# 2.4 - TSP Performance against KPIs for 2022/23

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#### List of KPIs for ICG-IOTWMS (SDD V5.0)

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No.	Key Performance Indicator	Target Value		
1	Elapsed time from earthquake to issuance of first Earthquake Bulletin	10 minutes		
2	Probability of detection of earthquakes with Mw>=6.8 (USGS final value) in the IOTWMS ESZ	100%		
3	Accuracy of earthquake magnitude	0.3		
4	Accuracy of earthquake hypocenter depth	30 km		
5	Accuracy of earthquake hypocenter location	30 km		
6	Elapsed time from earthquake to issuance of first Threat Assessment Bulletin	20 minutes		
7	Probability of detection of tsunami above threat threshold	100%		
8	Accuracy of the tsunami forecast amplitude/height	Factor of 2		
9	Number of false or incorrect bulletins issued	0		
10	Accuracy of time arrival of tsunami (0.02m amplitude)	Within 5% of travel time		
11	Accuracy of time of arrival of 1st significant wave (0.1m)	Within 5% of travel time		
12	Accuracy of threat threshold exceedance	Within 5% #		
13	Percent of IO countries issued a timely product as defined above	100%		
14	Elapsed time from any product issuance to potential receipt by NTWC Contact	5 minutes ##		
15	Percent of regular Comms Tests participated in	100%		

### TSP KPIs 2022 (Jan – Dec) – M6.8+

	Service Level 1 EQ Bulletins					Service Level 2 Threat / No Threat Bulletins		
TSP	KPI 1	KPI 2	KPI 3	KPI 4	KPI 5	KPI 6	KPI 7	KPI 8
	ET First EQ Bull	POD IO EQs GE M6.8	EQ Mag	EQ Depth	EQ Location	ET First Threat Bull	POD Tsunami Waves	Tsunami Height Accuracy
	Target: 10 mins (% met)	Target: 100%	Target: 0.3 (% met)	Target: 30 km (% met)	Target: 30 km (% met)	Target: 20 mins (% met)	Target: 100%	Target: Factor of 2
Australia	12.0 (60%)	(100%)	0.12 (95%)	19.0 (70%)	20.9 (90%)	10 (100%)	n/a	n/a
India	10.0 (85.7%)	(100%)	0.2 (92.8%)	21.1 (85.7%)	13.3 (92.8%)	26 (0%)	n/a	n/a
Indonesia	10.39 (68%)	(100%)	0.20 (80%)	26.78 (72%)	26.91 (72%)	33 (0%)	n/a	n/a

**NOTES** 

Meets	Near	Misses
Target	Target	Target



### TSP KPIs 2023 (Jan – Mar) – M6.8+

	Service Level 1 EQ Bulletins					Service Level 2 Threat / No Threat Bulletins		
TSP	KPI 1	KPI 2	KPI 3	KPI 4	KPI 5	KPI 6	KPI 7	KPI 8
	ET First EQ Bull	POD IO EQs GE M6.8	EQ Mag	EQ Depth	EQ Location	ET First Threat Bull	POD Tsunami Waves	Tsunami Height Accuracy
	Target: 10 mins (% met)	Target: 100%	Target: 0.3 (% met)	Target: 30 km (% met)	Target: 30 km (% met)	Target: 20 mins (% met)	Target: 100%	Target: Factor of 2
Australia	10.1 (85.7%)	(100%)	0.10 (100%)	15.9 (85.7%)	36.7 (71.4%)	12.0 (100%)	n/a	n/a
India	13.0 (50%)	(100%)	0.15 (100%)	28.3 (75%)	14.2 (100%)	n/a	n/a	n/a
Indonesia	15.3 (86%)	(100%)	0.29 (57%)	29.26 (57%)	33.87 (71%)	n/a	n/a	n/a

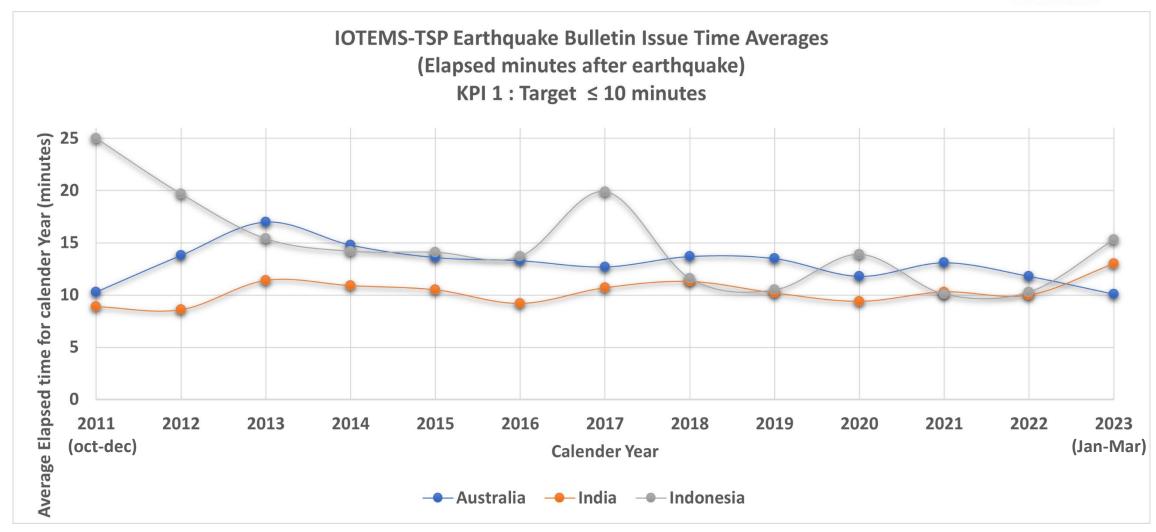
**NOTES** 

Meets	Near	Misses
Target	Target	Target



#### Earthquake Bulletin Issue Times All TSPs





## Thank you ...

