EPSS vs. CVSS 4.0 :
Measurement Factors (Without Shared Gaps)

Factor	EPSS	CVSS 4.0
Measures Exploit Likelihood	✅ Yes	❌ No
Measures Severity & Impact	❌ No	✅ Yes
Updates with Live Threat Intelligence	✅ Yes Daily Updates	❌ No Updated only when manually Reassessed
Exploitability Consideration	✅ Prioritizes vulnerabilities based on likelihood of exploitation	❌ Assumes all vulnerabilities are equally exposed, unless Threat Metrics are adjusted
Threat Intelligence Integration	✅ Includes real-world exploit attempts	❌ Does not track active exploits, unless manually updated
Security Control Awareness	❌ Does not account for compensating controls (EDR, WAF, segmentation)	✅ Environmental Score adjusts for security controls
Risk of False Prioritization	✅ High (Might ignore high-impact vulnerabilities)	✅ High (Might prioritize non-exploited vulnerabilities)
Limitations	❌ Does not measure severity ❌ No visibility into exploit chaining ❌ Lacks predictive modelling for future threats	❌ Does not predict real-world exploitability ❌ Requires manual business risk adjustments ❌ Threat Metrics may lag behind real-world threats
Final Verdict	Best for real-time, threat-driven prioritization	Best for regulatory compliance, severity classification