

Task 'Security and Risk Management' Unit 7

Collaborative Learning Discussion 2

Peer Response

Victor, your points highlight an important truth, while CVSS remains a foundational tool, its practical application often involves challenges with subjective users' judgment and users that continue to struggle with the additional missing input. Such input could produce a better outcome and overcome these inconsistencies identified by the author

(Wunder et al. 2024)

reflect the broader issue of subjective judgement under uncertainty, something well-documented in risk-assessment research even with experienced analysts, limited initial information makes early scoring difficult, and this is consistent with the wider limitations of structured decision-making methods.

(Thekdi & Aven, 2025)

I also agree that some criticisms arise from misconceptions about what CVSS is designed to do. Some suggest that CVSS provides a severity rating rather than a complete risk score, meaning its value emerges when used within a mature risk-management process rather than as a standalone prioritization tool same as your

points which also aligns well with the point about alternatives that do not fully replace CVSS, but complement it when integrated thoughtfully.

(Spring et al. 2021)

Finally, the points you have brought up, about the further development of the CVSS to version 4.0 and the ongoing updates are very important, as these demonstrate a commitment to address long-standing issues instead of abandoning the framework.

(FIRST 2024)

Given these considerations, how do you see organizations best support analysts in achieving more consistent scores despite the inherent uncertainties?

References

- FIRST (2024) CVSS v4.0 specification document, Common Vulnerability Scoring System Version 4.0. Available at: <https://www.first.org/cvss/v4-0/specification-document> [Accessed: 9 December 2025].
- Spring, J., Hatleback, E., Householder, A., Manion, A. and Shick, D., (2021). Time to Change the CVSS? IEEE Security & Privacy, 19(2), pp.74-78
- Thekdi, S. & Aven, T. (2025) Evaluating risk analyst views on uncertainty and knowledge aspects for risk characterization approaches. Journal of risk research. [Online] 28 (8), 912–928. Available at: https://essex.primo.exlibrisgroup.com/permalink/44UOES_INST/o3t9un/cdi_infor

maworld_taylorfrancis_310_1080_13669877_2025_2553847 [Accessed 9 December 2025]

- Wunder, J. et al. (2024) Shedding Light on CVSS Scoring Inconsistencies: A User-Centric Study on Evaluating Widespread Security Vulnerabilities. arXiv.org. Available at:
https://*****.com/permalink/44UOES_INST/o3t9un/cdi_proquest_journals_2858809873 [Accessed 9 December 2025]