

SEA 2.0 – Systematic analysis of company events – www.eval.at/SEA

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ABSTRACT

Talking about the analysis of accidents at work three challenges must be considered. First: An accident cannot be regarded as merely an event that occurs only at a specific point in time. Second: The fact that an accident occurs within a specific work situation must be considered. In addition, when describing the incident, the analysing team should not reflect the possible reasons for this specific accident. This can be tackled by applying the guideline of the Association of German Engineers (VDI) 4006 Part 3 (2013). Salzmann (2011) re-analysed four near-miss events and accidents under consideration of the requirements of the guideline VDI 4006-3. It can be said that analysing under consideration of the guideline delivers results, which are much better suitable, minimizing a possible recurrence of this unwanted event in the company. In this article the technical demands and features of a web-based tool called SEA (Systematic Event Analysis) will be presented. It was originally developed in 2014 and recently updated to version 2.0 by AUVA (Austrian Workers Compensation Board) for a systematic analysis of company events.

Keywords

Risk assessment – human-machine-function allocation – work science – occupational Psychology – holistic event analysis – man-machine system (MMS) – human reliability – human error – operational level