



**Namrita KOHLI**

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### **Biography:**

Namrita is a Senior Risk Analyst at RSSB, where she has worked since 2014. Over the last few years she has been heavily involved in level crossing safety, this has included the development of level crossing elements of the Safety Management Intelligence System (SMIS) and analysis of the data recorded to identify any emerging trends.

In addition to her involvement in level crossing safety, Namrita has also worked on various research and standards projects relating to other risk areas, such as the platform train interface and train dispatch.

Namrita has a Masters degree in Mathematics and since joining RSSB has also gained a Risktec Professional Qualification in Risk and Safety Management.

### **Title of presentation:**

Level Crossing Safety: A safety intelligence journey

### **Summary:**

Accidents at level crossings account for approximately 6% of risk on the mainline railway in Great Britain and are the main contributors to train accident risk, so they are a key focus for the rail industry. As a result of Network Rail initiatives, the last 10 years has seen the average level of accidental harm at level crossings decrease. However, to understand how this could be decreased further a level of information was required that could not easily be obtained from the Safety Management Information System (old SMIS), the national database for recording safety-related events that occur on the rail network in GB. In 2017 RSSB launched an enhanced version of SMIS, named the Safety Management Intelligence System, which has the capability to record information that is required for richer analysis of accidents and precursor events. The data model behind this system was developed through a series of workshops with industry focusing on the types of incidents that can occur and their causes and consequences. This presentation will provide an insight into the changes made when developing the level crossing elements of the data model and the benefits obtained.