

National Level Crossing Portal – Access Levels and Data Attributes

Table 1 – Access levels by user group

User Group	Access Levels					
	Level crossing occurrence data			Level crossing characteristics and Risk data		
	Full	Limited	Benchmarked	Full	Limited	Benchmarked
Rail Infrastructure Manager	For occurrences at level crossings they are responsible for	For occurrences at level crossings they are not responsible for	Aggregated data for occurrences on similar networks and nationally	For level crossings they are responsible for	For level crossings they are not responsible for	Aggregated data for level crossings managed by RIMs with similar networks, and nationally
Rolling Stock Operators	For occurrences they are involved in	For occurrences they are not involved in	Aggregated data for occurrences involving RSOs with similar operations and nationally	For level crossings where they have been involved in an occurrence	For level crossings where they have not been involved in an occurrence	Aggregated data for level crossings at which similar RSOs have been involved in an occurrence, and nationally
State Level Crossing Committees	For occurrences at level crossings within their jurisdiction		Aggregated data for occurrences nationally	For level crossings within their jurisdiction		Aggregated data for level crossings nationally
National Level Crossing Safety Committee	For occurrences at all level crossings, excluding crossings in Victoria	For occurrences at level crossings in Victoria	Aggregated data for occurrences by jurisdiction and nationally	For all level crossings excluding those in Victoria	For level crossings in Victoria	Aggregated data by jurisdiction and nationally
Associations		For all level crossing occurrences	Aggregated data for occurrences by jurisdiction and nationally		For all level crossings	Aggregated data by jurisdiction and nationally

Table 2 – Occurrence data attributes visible to NLXP users by access level

NLXP term ¹	ONRSR Occurrence data item ²	Full	Limited	Benchmarked
Date and time	Date of occurrence			
	Time of occurrence			
Category (Cat.)	Notification category			
Description	Description of occurrence	See note ³		
Occurrence event type	Occurrence classification			
Involved RSO	Rolling stock operator			
Site ID	Level crossing identifier			
Involved control type	Level crossing control type			
Involved train type	Train / rolling stock type			
Involved vehicle type	Road vehicle / non-road vehicle type			
Casualty type	Type of casualty			
Person type	Person type			
Train number	Train number			

¹ Refer to the NLXP Business Glossary.

² Refer to ONRSR's Reporting Requirement for Notifiable Occurrences (data prior to July 2022) and ONRSR's Notifiable Occurrence Reporting Requirements (data since July 2022).

³ RIM and RSO users only have access to occurrence descriptions notified to ONRSR by their organisation. National and state level crossing committee users have access to the occurrence description contained within the primary occurrence record (which is the most detailed record of an occurrence submitted to ONRSR) for occurrences prior to July 2022, and to the occurrence description of the amalgamated occurrence record for data since July 2022. All occurrence records available in the NLXP have been through a process that redacts personally identifiable information from the occurrence description.

Table 3 – Level crossing characteristic data attributes visible to NLXP users by access level

NLXP Term ⁴	ALCAM LXM ⁵ / RIM attribute ⁶	Full	Limited	Benchmarked
Site ID	ALCAM number			
Jurisdiction	Jurisdiction			
Site / crossing name	Crossing name			
Suburb	Suburb / town			
Line section	Line section			
Rail KM	Rail KM			
Access	Access			
Active / passive control	Active / passive			
Primary control	Primary control			
Primary RIM	Primary RIM			
Secondary RIM	Secondary RIM			
Primary road manager	Primary road manager			
Secondary road manager	Secondary road manager			
Council area	Local council area			
Rail status	Rail status			
Legal status	Legal Status			
Latitude	Latitude			
Longitude	Longitude			
Metro / non-Metro	Metro / non-Metro			
Pedestrian crossings	Associated pedestrian crossings			
Crossing ID	Pedestrian Crossing Number			
Pedestrian physical controls	Pedestrian physical controls			
Traffic type	Traffic type			
Road / path status	Road / path status			
Last ALCAM survey date	Last ALCAM survey date			
Rated date	Rated date			
Max train speed (up track)	Max train speed up			
Max train speed (down track)	Max train speed down			
Rail traffic type	Train type			
Daily volume of trains (average)	Daily train volumes	See note ⁷		
Annual Average Daily Traffic	AADT			
% heavy vehicle	Heavy vehicle percentage			
85 th percentile road vehicle speed (right approach)	Right - 85 th percentile vehicle speed			

⁴ Refer to NLXP Business Glossary.

⁵ Refer to ALCAM in Detail (2016).

⁶ RIM attribute refers to level crossing data provided to ONRSR by non-ALCAM LXM RIMs.

⁷ Daily train volume data for crossings will not be available to RSOs and will not be available to RIMs for crossings they do not manage.

NLXP Term	ALCAM LXM attribute	Full	Limited	Benchmarked
85 th percentile road vehicle speed (left approach)	Left - 85th percentile vehicle speed			
Sign posted road speed (left approach)	Left road speed limit			
Sign posted road speed (right approach)	Right road speed limit			
Road vehicle type (left approach)	Left road vehicle type			
Road vehicle type (right approach)	Right road vehicle type			

Table 4 – Risk data attributes visible to NLXP users by access level

NLXP Term ⁸	ALCAM LXM attribute ⁹	Full	Limited	Benchmarked
Likelihood factor (road model)	Likelihood factor (road model)			
Consequence factor (road model)	Consequence factor (road model)			
Risk score (road model)	Risk Score (road model)			
Jurisdiction risk band (control class)	Jurisdiction risk band (Separate control class)			
Jurisdiction Risk Band	Jurisdiction risk band (All control classes)			
Global risk band (Control Class)	Global risk band (Control class)			
Global risk band	Global Risk Band (All control classes)			
High Speed Train	High Speed Train			
Multiple Tracks	Multiple Tracks			
Non-Compliance to Standard	Non-Compliance to Standard			
Queueing	Queueing			
Short Stacking	Short Stacking			
Sighting S1	Sighting S1			
Sighting S2	Sighting S2			
Sighting S3	Sighting S3			
Advance Warning	Advance Warning			
Road Condition	Road Condition			
Hump, Dip or Rough Surface	Hump, Dip or Rough Surface			
Sun Glare Sighting Crossing on Road	Sun Glare Sighting Crossing on Road			
Sun Glare Sighting Train	Sun Glare Sighting Train			
Extreme S3 Required Sighting	Extreme S3 Required Sighting			

⁸ Refer to NLXP Business Glossary.

⁹ Refer to ALCAM in Detail (2016).