**END DF4\_8 Strategic noise maps 2022**

# Technical Feedback

# Major railways

Dear Reporter,

The result of the Technical Acceptance Process for the submission related to **Country** **END DF4\_8 Strategic noise maps 2022 – Major railways** (<https://reportnet.europa.eu/dataflow/872>) **released on 04/01/23 at 21:03:10 is** **Correction Requested**.

Please see the details of the Technical Acceptance. If errors or warnings are detected, additionally attached files include the details about the errors or warnings found.

## Geographical information input and validation

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| --- | --- | --- | --- |
| **Code** | **Check** | **Result** | **Detail** |
| GM1 | Identification of GeoPackages files from SourceIdentifier field | Failed / Passed | See details in file Check\_GM1.csv. (empty if Passed) |
| GM2 | Merging geometry with tabular data:* Tabular data from R3 can not be merged with geometries from GeoPackage file (failed result test)
* GeoPackage include additional features not included in the tabular data from R3 (passed with warning result test). These additional features in GeoPackage are ignored.
 | Not processed / Failed / Passed / Passed with warnings | Not processed due to preceding error/s.See details in file Check\_GM2.csv.  |
| GM3 | Geometry validation and correction: invalid geometries after makeValid() function in SQL | Not processed / Failed / Passed | Not processed due to preceding error/s.See details in file Check\_GM3.csv.  |

## Missing mandatory information: exposure data and noise contour maps

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| **Code** | **Check** | **Result** | **Detail** |
| MI1 | Table ExposureValue is empty | Not processed/ Failed / Passed | Not processed due to preceding error/s. |
| MI2 | Table NoiseContours\_majorRailwaysIncludingAgglomeration\_Lden is empty. ​ | Not processed/ Failed / Passed | Not processed due to preceding error/s. |
| MI3 | Missing mandatory bands in table ExposureValue: Missing one or more mandatory bands (for Lden / Lnight) defined in noiseLevel per “mostExposedFacade” or “mostExposedFacadeIncludingAgglomerations” (for Lden) in the table ExposureValue per reportingLevel (and railIdIdentifier if provided). Missing mandatory bands in table NoiseContours\_majorRailwaysIncludingAgglomeration\_Lden: Missing one or more mandatory bands defined in category in the table NoiseContours\_majorRailwaysIncludingAgglomeration\_Lden  | Not processed/ Failed / Passed | Not processed due to preceding error/s.See details in file/s Check\_MI3\_mrail\_exp.csv and Check\_MI3\_mrail\_ncm.csv.  |

## Consistence checks in exposure data

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| **Code** | **Check** | **Result** | **Detail** |
| LC1 | For exposureType = "mostExposedFacadeIncludingAgglomeration” and noiseLevel = "LdenEqualHigher55", exposedDwellings should be greater than 0 if exposedPeople is greater than 0.  | Not processed/Passed/Passed with warnings | Not processed due to preceding error/s.See details in file Check\_LC\_mrail.csv.  |
| LC2 | For exposureType = "mostExposedFacadeIncludingAgglomeration” and noiseLevel = "LdenEqualHigher65", exposedDwellings should be greater than 0 if exposedPeople is greater than 0.  | Not processed/Passed/Passed with warnings | Not processed due to preceding error/s.See details in file Check\_LC\_mrail.csv.  |
| LC3 | For exposureType = "mostExposedFacadeIncludingAgglomeration” and noiseLevel = "LdenEqualHigher75", exposedDwellings should be greater than 0 if exposedPeople is greater than 0.  | Not processed/Passed/Passed with warnings | Not processed due to preceding error/s.See details in file Check\_LC\_mrail.csv.  |
| LC4 | For exposureType = "mostExposedFacadeIncludingAgglomeration" and noiseLevel = "LdenEqualHigher55", exposedArea should be greater than 0 if exposedDwellings is greater than 0.  | Not processed/Passed/Passed with warnings | Not processed due to preceding error/s.See details in file Check\_LC\_mrail.csv.  |
| LC5 | For exposureType = "mostExposedFacadeIncludingAgglomeration" and noiseLevel = "LdenEqualHigher65", exposedArea should be greater than 0 if exposedDwellings is greater than 0.  | Not processed/Passed/Passed with warnings | Not processed due to preceding error/s.See details in file Check\_LC\_mrail.csv.  |
| LC6 | For exposureType = "mostExposedFacadeIncludingAgglomeration" and noiseLevel = "LdenEqualHigher75", exposedArea should be greater than 0 if exposedDwellings is greater than 0.  | Not processed/Passed/Passed with warnings | Not processed due to preceding error/s.See details in file Check\_LC\_mrail.csv.  |
| LC7 | For exposureType = "mostExposedFacadeIncludingAgglomeration", exposedPeople for LdenEqualHigher55 should be equal or greater than exposedPeople for LdenEqualHigher65 | Not processed/Failed /Passed | Not processed due to preceding error/s.See details in file Check\_LC\_mrail.csv.  |
| LC8 | For exposureType = "mostExposedFacadeIncludingAgglomeration", exposedPeople for LdenEqualHigher65 should be equal or greater than exposedPeople for LdenEqualHigher75 | Not processed/Failed /Passed | Not processed due to preceding error/s.See details in file Check\_LC\_mrail.csv.  |
| LC9 | For exposureType = “mostExposedFacadeIncludingAgglomeration”, exposedArea for LdenEqualHigher55 should be equal or greater than exposedArea for LdenEqualHigher65.  | Not processed/Failed /Passed | Not processed due to preceding error/s.See details in file Check\_LC\_mrail.csv.  |
| LC10 | For exposureType = “mostExposedFacadeIncludingAgglomeration”, exposedArea for LdenEqualHigher65 should be equal or greater than exposedArea for LdenEqualHigher75.  | Not processed/Failed /Passed | Not processed due to preceding error/s.See details in file Check\_LC\_mrail.csv.  |
| LC11 | For exposureType = "mostExposedFacadeIncludingAgglomeration", exposedDwellings for LdenEqualHigher55 should be equal or greater than exposedDwellings for LdenEqualHigher65. | Not processed/Failed /Passed | Not processed due to preceding error/s.See details in file Check\_LC\_mrail.csv.  |
| LC12 | For exposureType = "mostExposedFacadeIncludingAgglomeration", exposedDwellings for LdenEqualHigher65 should be equal or greater than exposedDwellings for LdenEqualHigher75. | Not processed/Failed /Passed | Not processed due to preceding error/s.See details in file Check\_LC\_mrail.csv.  |
| LC13 | The number of exposed people for exposureType = “mostExposedFacadeIncludingAgglomerations” for LdenEqualHigher55 should be equal or greater than the sum of exposedPeople in exposureType = “mostExposedFacade” for the noise bands Lden5559, Lden6064, Lden6569, Lden7074 and LdenGreaterThan75. | Not processed/Failed /Passed | Not processed due to preceding error/s.See details in file Check\_LC\_mrail.csv.  |
| LC14 | The number of exposed people for exposureType = “mostExposedFacadeIncludingAgglomerations” for LdenEqualHigher65 should be equal or greater than the sum of exposedPeople in exposureType = “mostExposedFacade” for the noise bands Lden6569, Lden7074 and LdenGreaterThan75. | Not processed/Failed /Passed | Not processed due to preceding error/s.See details in file Check\_LC\_mrail.csv.  |
| LC15 | The number of exposed people for exposureType = “mostExposedFacadeIncludingAgglomerations” for LdenEqualHigher75 should be equal or greater than the sum of exposedPeople in exposureType = “mostExposedFacade” for the noise band LdenGreaterThan75. | Not processed/Failed /Passed | Not processed due to preceding error/s.See details in file Check\_LC\_mrail.csv.  |

## Spatial information: contour maps in line geometry type

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| --- | --- | --- | --- |
| **Code** | **Check** | **Result** | **Detail** |
| UL1 | Check if all lines/multilines are closed  | Not processed/Failed / Passed | Not processed due to preceding error/s.See details in file Check\_UL1.csv |

## Supplementary information about the completeness of exposure data

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| --- | --- | --- | --- |
| **Code** | **Check** | **Result** | **Detail** |
| CC1 | Missing minimum LAU/NUTS exposure data in the table ExposureMajorRailway comparing with the minimum LAU/NUTS coverage of noise sources.The details are provided at the lowest reporting level.  | Not processed/No missing data: considered complete / Missing data to be provided | Not processed due to preceding error/s. / Information about missing data can be checked in file/s Check\_CC1\_LAU.csv, Check\_CC1\_NUTS3.csv, Check\_CC1\_NUTS2.csv, Check\_CC1\_NUTS1.csv. |

## Supplementary information about the completeness of the noise contour maps

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| --- | --- | --- |
| **Code** | **Check** | **Result** |
| CC2 | Kilometres (and percentage) of major railway segments from DF1\_5 covered by noise contour maps.  | Not processed due to preceding error/s. /Processed |
| **Details** |
| Total length reported for major railways in DF1\_5: sssss km. Calculated length for major railways in DF1\_5 based on geospatial calculations is: 5850 km. The results shown here are based on geospatial calculations. * 5600 Km (xxx %) of total DF1\_5 major rail segment covered by noise contour maps reported in Major Railways dataflow
* 150 km of rail segments inside agglomerations
	+ xxx Km (xxx %) of DF1\_5 major rail segment inside agglomeration covered by noise contour maps reported in Major Railways dataflow
* 5700 km of rail segments outside agglomerations
	+ Xxx Km (xxx %) of DF1\_5 major rail segment outside agglomeration covered by noise contour maps reported in Major Railways dataflow

Further checks will be needed to clarify:1- Some segments covered will be false positive and therefore considered as covered by noise contours due to intersections with other segments or overlaps with noise contours from nearby segments: a human review would detect that a contour is not really provided for a segment but automatically the result will indicate that the segment is covered. 2- Some segments or part of the segments considered not covered will be due to the existence of tunnels and bridges (not identified in DF1\_5). 3- Some segments or part of the segments considered not covered inside agglomeration could be provided in the dataflow “Strategic noise maps (DF4\_8) for agglomerations”.  |