***HASLERtail***

CORRail-IOOO

List of the relevant laws and standards

CORRail-1000 - List of the relevant laws and standards

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|  | Revision | A00 | 1/2 |



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| # | Name of the law |
| 01 | Environmental requirements according  EN50155:2007  EN50125-1: 1999 |
| 02 | Requirements regarding humidity EN50155, §4.1.4 EN50125-1, §4.4 |
| 03 | Requirements regarding pollution EN50155, §4.2.1 EN50125-1, §4.11 |
| 04 | Requirements regarding electromagnetic compatibility EN50155, §3.2-5 |
| 05 | EMC tests must guarantee the requirements as described in  EN50121-3-2  IEC62236-3-2  RIA12 |
| 06 | Requirements regarding shock and vibration according EN61373:1999 Sensor head:  Category 2 Filter electronics:  Category 1, class B  Acceleration sources as specified in EN50125-1, §4.12.3 |
| 07 | Thermal requirements according EN50155, §4.1.2 EN50125-1, §4.3 Sensor head:  Class TX (outside the vehicle -40qC to +70qC) Filter electronics:  Class T3 ( inside cabinet -25qC to +70qC) |
| 08 | Average case ambient temperature according to EN50125, §4.3 is 25°C,  which means an inside cubicle (housing) temperature of 45qC (useful for the choice of components and reliability calculation) (to be verified) |
| 09 | Fire and smoke requirements according EN 45545-2 |
| 10 | EBO §22 Regellichtraum |
| 11 | UIC 505-1 Railway transport stock - Rolling stock construction gauge |

References

[ 1 ] User Requirement Specification - Project ORION

[ 2 ] Technical System Requirement Specification - Project ORION

Revision