



Appendix Nr.1

Calculation method of Penalties of Red PZ No.3 (Road S5) infringement.

- Red PZ No.3 boundaries are 100 meters from the centre line of the road S5 on both sides which creates a band of 200 meters' width.
- Coordinates of the centre line of the polygon are provided on the ENB (RoadS5.plt)
- The upper limit of PZ No.3 is 800ft AMSL. Average ground is assumed as 300ft AMSL.
- For every track point, which is inside this area with an altitude below the upper limit a penalty will be determined.
- Penalties will be given based on number of track-points inside of the "tunnel" and the altitude below the upper limit
- For each track point inside PZ No.3 the penalty will be calculated by the formula:

$$[\text{Track Penalty}] = \frac{[\text{infringement percentage}]^{1.5}}{10} ;$$
$$\text{Total penalty} = \text{Sum (Track Penalty)}.$$

- The total penalty is the sum of all the calculated track point penalties and will be rounded to the next full digit.