

## ANNEX II

Determination of requirements for assessment of concentrations of sulphur dioxide, nitrogen dioxide and oxides of nitrogen, particulate matter (PM<sub>10</sub> and PM<sub>2,5</sub>), lead, benzene and carbon monoxide in ambient air within a zone or agglomeration

## A. Upper and lower assessment thresholds

The following upper and lower assessment thresholds will apply:

## 1. Sulphur dioxide

	<b>Health protection</b>	<b>Vegetation protection</b>
Upper assessment threshold	60 % of 24-hour limit value (75 µg/m <sup>3</sup> , not to be exceeded more than 3 times in any calendar year)	60 % of winter critical level (12 µg/m <sup>3</sup> )
Lower assessment threshold	40 % of 24-hour limit value (50 µg/m <sup>3</sup> , not to be exceeded more than three times in any calendar year)	40 % of winter critical level (8 µg/m <sup>3</sup> )

## 2. Nitrogen dioxide and oxides of nitrogen

	<b>Hourly limit value for the protection of human health (NO<sub>2</sub>)</b>	<b>Annual limit value for the protection of human health (NO<sub>2</sub>)</b>	<b>Annual critical level for the protection of vegetation and natural ecosystems (NO<sub>x</sub>)</b>
Upper assessment threshold	70 % of limit value (140 µg/m <sup>3</sup> , not to be exceeded more than 18 times in any calendar year)	80 % of limit value (32 µg/m <sup>3</sup> )	80 % of critical level (24 µg/m <sup>3</sup> )
Lower assessment threshold	50 % of limit value (100 µg/m <sup>3</sup> , not to be exceeded more than 18 times in any calendar year)	65 % of limit value (26 µg/m <sup>3</sup> )	65 % of critical level (19,5 µg/m <sup>3</sup> )

3. Particulate matter (PM<sub>10</sub>/PM<sub>2,5</sub>)

	<b>24-hour average PM<sub>10</sub></b>	<b>Annual average PM<sub>10</sub></b>	<b>Annual average PM<sub>2,5</sub><sup>a</sup></b>
Upper assessment threshold	70 % of limit value (35 µg/m <sup>3</sup> , not to	70 % of limit value (28 µg/m <sup>3</sup> )	70 % of limit value (17 µg/m <sup>3</sup> )

<sup>a</sup> The upper assessment threshold and the lower assessment threshold for PM<sub>2,5</sub> do not apply to the measurements to assess compliance with the PM<sub>2,5</sub> exposure reduction target for the protection of human health.

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	be exceeded more than 35 times in any calendar year)		
Lower assessment threshold	50 % of limit value (25 µg/m <sup>3</sup> , not to be exceeded more than 35 times in any calendar year)	50 % of limit value (20 µg/m <sup>3</sup> )	50 % of limit value (12 µg/m <sup>3</sup> )

- a The upper assessment threshold and the lower assessment threshold for PM<sub>2.5</sub> do not apply to the measurements to assess compliance with the PM<sub>2.5</sub> exposure reduction target for the protection of human health.

#### 4. Lead

	<b>Annual average</b>
Upper assessment threshold	70 % of limit value (0,35 µg/m <sup>3</sup> )
Lower assessment threshold	50 % of limit value (0,25 µg/m <sup>3</sup> )

#### 5. Benzene

	<b>Annual average</b>
Upper assessment threshold	70 % of limit value (3,5 µg/m <sup>3</sup> )
Lower assessment threshold	40 % of limit value (2 µg/m <sup>3</sup> )

#### 6. Carbon monoxide

	<b>Eight-hour average</b>
Upper assessment threshold	70 % of limit value (7 mg/m <sup>3</sup> )
Lower assessment threshold	50 % of limit value (5 mg/m <sup>3</sup> )