Directive 2014/47/EU of the European Parliament and of the
Council of 3 April 2014 on the technical roadside inspection of the
roadworthiness of commercial vehicles circulating in the Union
and repealing Directive 2000/30/EC (Text with EEA relevance)

ANNEX I

ELEMENTS OF THE RISK RATING SYSTEM

The risk rating system shall provide the basis for a targeted selection of vehicles operated by undertakings with a poor record concerning compliance with vehicle maintenance and roadworthiness requirements. It shall take into account results from both periodic roadworthiness tests and technical roadside inspections.

The risk rating System shall consider the following parameters for determining a risk rating for the undertaking concerned:
— number of deficiencies
— severity of deficiencies
— number of technical roadside inspections or periodic and voluntary roadworthiness tests
— time factor

1. The deficiencies shall be weighted according to their severity, using the following severity factors:

— Dangerous = 40
deficiency
— Major = 10
deficiency
— Minor = 1
deficiency

2. The evolution of an undertaking's (vehicle's) situation shall be reflected by applying a lower weighting to 'older' inspection results (deficiencies) than to more 'recent' ones, using the following factors:
— Year 1 = last 12 months = factor 3
— Year 2 = months 13-24 = factor 2
— Year 3 = months 25-36 = factor 1

This shall only apply for the calculation of the overall risk rating.

3. The risk rating shall be calculated using the following formulas:

(a) The formula for the overall risk rating:

$$RR = \frac{(D_{Y1} \times 3) + (D_{Y2} \times 2) + (D_{Y3} \times 1)}{\#C_{Y1} + \#C_{Y2} + \#C_{Y3}}$$

Where

RR	=	overall risk rating score
D_{Yi}	=	total for the defects in year 1, 2, 3
D_{Y1}	=	
		$(\#DD \times 40) + (\#MaD \times 10) + (\#MiD \times 1)$
		in year 1
#…	=	number of…
DD	=	dangerous deficiencies
MaD	=	major deficiencies
MiD	=	minor deficiencies
C	=	checks (technical roadside inspections or periodic and voluntary roadworthiness tests) in year 1, 2, 3

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(b)   The formula for the annual risk rating:

$$AR = \frac{(\#DD \times 40) + (\#MaD \times 10) + (\#MiD \times 1)}{\#C}$$

Where

AR	=	annual risk score
#…	=	number of…
DD	=	dangerous deficiencies
MaD	=	major deficiencies
MiD	=	minor deficiencies
C	=	checks (technical roadside inspections or periodic and voluntary roadworthiness tests)

The annual risk shall be used to assess the evolution of an undertaking over the years.

The classification of undertakings (vehicles) based on the overall risk rating shall be performed in such a way that the following distribution within the listed undertakings (vehicles) is reached:

—   < 30 % low risk
—   30-80 % medium risk
—   > 80 % high risk.