

WEELABEX Organisation - OFFICIAL STATEMENT	
Issue ID:	2016_006
Issue Category:	Depollution process / Benchmarks
Issue Name:	Depollution target values calculation
Issue Description:	How a new/specific depollution target value (intended for benchmarks) may be calculated when there is an evidence that the depollution target value defined in the CENELEC standard CLC/TS 50625-3-1 is not relevant?
WEELABEX Organisation Statement	<p>1. The new/specific depollution target values (benchmarks) must be calculated according to the calculation method set out in the CENELEC standard CLC/TS 50625-3-1.</p> <p>This calculation method must be used within the WEELABEX Conformity Verification process for each treatment stream as follows:</p> <ul style="list-style-type: none"> - Calculation of the new/specific target value according to the following formula: <ul style="list-style-type: none"> o Depollution assessment: for each type of appliance (within the concerned treatment stream) shall be determined the amount of components that are subject of target value (Capacitors, Batteries,) = parameters "C_i", "B_i". o Sampling: for each type of appliance shall be determined its share within the intended treatment stream = parameter "r_i". o The new/specific depollution target value for the concerned treatment stream and for each component is calculated according to the following formula: $\text{Depollution target value} = \left(\sum_i \left(\frac{C_i}{B_i} \right) \times r_i \right) \times 90\%$ <p>The operators may be in several situations regarding the Sampling ("r_i") and Depollution assessment ("C_i", "B_i"): <ul style="list-style-type: none"> - A single operator makes the assessment of its own treatment stream (for example when the stream is very particular or when the operator has a will and the means to assess by itself its own stream). - A single operator has documented and reliable information about the WEEE stream that it receives and uses it for calculation of the depollution target values (for example when the stream is regular in its composition and the operator receives information about its content). <p>An assessment of the stream shall be made to determine the parameters "C_i", "B_i", and "r_i". <ul style="list-style-type: none"> - If a single operator makes the assessment of its own treatment stream, the parameters shall be determined as follows: <ul style="list-style-type: none"> o Sampling ("r_i") must be done as a first step to assess the composition of the stream and prepare a representative batch. Sampling must assess at least: </p></p>

	<ul style="list-style-type: none"> ▪ 1 ton, if operator treats 1 to 100 tons/year; ▪ 1% of the quantities treated annually, if operator treats 100 to 2500 tons/year; ▪ 25 tons, if operator treats above 2500 tons/year. <ul style="list-style-type: none"> ○ Depollution assessment (“Ci”, “Bi”) must be based on analysis of data obtained during a batch processing, representative of the stream, of at least the amount of WEEE defined in the Annex D of EN 50625-1 (regular batch test amounts). <p>- If a single operator has documented information about the WEEE stream that it receives and uses it for calculation of the depollution target values, then parameters shall have been determined as following:</p> <ul style="list-style-type: none"> ○ Sampling (“ri”) must be representative of the stream concerned by the new/specific target value and sufficiently documented. ○ Depollution assessment (“Ci”, “Bi”) must be based on study or studies representative of the stream concerned by the new/specific target value, sufficiently documented. <p>The mentioned calculation of new/specific depollution target values shall be done by the respective treatment operator on its own stream or shall be representative of the concerned treatment stream.</p> <p>The operator must inform the WEEELABEX Lead auditor about the calculation of new/specific depollution target values, and provide the related supporting documents (e.g. calculations, batch documentation, pictures).</p> <p>The WEEELABEX Lead Auditor shall evaluate the correctness of such calculation during the General/Surveillance audit. If the calculation is correct, then those de-pollution target values shall be used during the WEEELABEX Conformity Verification process.</p> <p>The parameters “Ci”, “Bi” and “ri” shall be reviewed whenever a change in the input WEEE stream may lead to not relevant target values.</p> <p>2. If there is an evidence that depollution target values (benchmarks) for some countries defined in the CENELEC standard CLC/TS 50625-3-1 are not applicable, then the European depollution target values can be applied instead (if no reliable calculation of the depollution target value as per the clause 1 is available for this country).</p>
Date of Issue / Date of revision:	9th March 2018 / 1st March 2021 (defrev_03)
Come into effect:	For each on-going and new Conformity Verification process
Status of the Statement:	Final Statement - defrev_03