

ANNEXE 6

Comments Proposed Changes on Standard EAS 455: 2019 by Vestergaard Sarl- November 2020

Organization	Standard number	Clause	Paragraph/ Figure/Table	Type of comment (General/Technical /Editorial)	COMMENTS	Proposed Change
EAC	EAS 455:2019	4.1.1.2	Table 1	Technical	<ul style="list-style-type: none"> Mesh count specification must always specify "NOT LESS THAN" holes/cm² or holes/inch² as per WHO Specification 333/LN/1 Note 9 There is no mention of 150D for the sides, which technically must have fewer holes per unit area than 100D or 75D 	<ul style="list-style-type: none"> WHO recommends min. 24 holes/cm² or 156 holes/inch² for the sides 100D; and minimum 10.6 holes/cm² or 68 holes/inch² for 150D with Mean of 12.4 holes/cm² or 80 holes/inch² Provide specifications for 150D: Mean 12.4 holes/cm² or 80 holes/inch² and Min. 10.6 holes/cm² or 68 holes/inch²
					Bursting strength test method reference needs to be confirmed	The test method should be ISO 13938-2 or 68
					Dimensional stability specifications are not realistic	Dimensional stability characteristics should follow WHO specifications: Shrinkage: max 10% Expansion: max 5% and measured according to ISO 5077, ISO 6330 and ISO 3759, performed by 1 washing program at 30oC (and not 4 washes at 40oC)
EAC	EAS 455:2019	4.22	Table 4	Technical	No mention of requirement for DM on the roof The specification of Deltamethrin (DM) 2.8 g/kg provided for the sides applies only to 75D. The WHO recommends different concentration for the widely used nets in 100 denier and 150 denier.	Give specification that complies with WHO specs on DM+PBO LLINs. For sides of 100D and 150D nets, we propose DM content: 2.1 g/kg ± 25% Ref. https://www.who.int/pq-vector-control/prequalified-lists/Deltamethrin_LONG-LASTING_specs_eval.pdf?ua=1 Roof: Page 10 WHO reference 333+33/LN/1 April 2019. Sides: Page 9 WHO reference 333/LN/1 July 2019

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					The mesh size specifications of 20-25 holes/cm ² is not in line with WHO specifications	Align with the WHO specifications of Roof: minimum 15.5 holes/cm ² and Sides: minimum 24.0 holes/cm ² Ref. Roof: Page 10, paragr. 3.2 and Note 9 of WHO specification 333+33/LN/1. Note 9 Sides: Page 9 paragr 3.2 and Note 9 of WHO reference 333/LN/1 July 2019
					The weight (g/m ²) characteristics specified are not in line with WHO specifications	Amend to WHO specifications: Roof: 32.0 g/m ² ± 10% Sides: 40 g/m ² ± 10% for 100D/150D Sides: 30 g/m ² ± 10% for 75D. Ref. Roof: Page 28, WHO specification 333+33/LN/1 April 2019 Sides: Page 9, paragr. 3.4 of WHO specification 333/LN/1 July 2019
					Bursting strength specification in the EAS is not as per WHO specification.	Roof: minimum 300 kPa Sides: minimum 350 kPa The measurement method should be ISO13938-2 as referenced in WHO specifications. Ref: Roof: Page 15, paragr. 2.1 WHO specification 333+33/LN/1 April 2019 Sides: Page 9, paragr. 3.4 of WHO specification 333/LN/1 July 2019
			Table 4 (Shrinkage/expansion after 4 washes at 40	Technical	Dimensional stability specifications for shrinkage is not realistic and not in line with WHO specifications.	Dimensional stability specs should follow WHO specifications: Shrinkage: max 10% Expansion: max 5%

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			°C normal, %, max)			and should be measured according to ISO 5077, ISO 6330 and ISO 3759, performed by 1 washing program at 30°C (and not 4 washes at 40°C) Ref. Roof: Page 15, paragr. 2.1 WHO specification 333+33/LN/1 April 2019 Sides: Page 9, paragr. 3.4 of WHO specification 333/LN/1 July 2019
					Colour fastness characterisitic applies to coloured nets only	May be amended to read: Colour fastness to: a) Light b) Washing (Applicable to colored nets only)
		4.3.2	Table 6 (Size and Dimension for conical net)	Technical	It is not that center circumference is required	Should not be measured
		4.4.1.2 Seams and stitching			The required 30 to 38 stitches/dm would require special production.	35-40 stitches/ dm
		4.4.4 Defects			This is a critical issue leading to confusion during LLINs quality inspection. IDA defect definition as the international standard used by donors and all product conformity agencies (SGS etc.) should be applied.	We propose that this be specified as: AQL:2.5 for major AQL:4.0 for minor
		5 Restricted Colorants			Apply to color nets only We have data to support the requirements	Specify that it applies to colour nets
		7.2	Table 7	Technical	Sampling 18 pieces of size 100 cm2 randomly from the whole net is not in line with WHO guideline.	We propose: For the mono treated: 5 pieces from 5 positions For a Combination Net roof : 3 pieces from 3 positions

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						<p>Side : 4 pieces from 4 positions</p> <p>Reference: WHO guidelines for sampling on page 16 and 17 -</p> <p>https://www.dropbox.com/sh/5gf6dirqt2c1yfn/AADvA8188fTNJwvFM4Q-Pyyla/WHO%20Specifications%20following%20the%20New%20Procedure?dl=0&preview=Deltamethrin%2BBO LONG-LASTING+(INCOPORATED+INTO+FILAMENTS)+INSECTICIDAL+NET+specs_eval.pdf&subfolder_nav_tracking=1</p>
		Annex A		Technical	<p>The method in US EAS is not clear for coated polyester nets (e.g. PermaNet® 2.0 and PermaNet® 3.0 side) and for incorporated polyethylene nets (e.g. PermaNet® 3.0 roof)</p> <p>1. This method is not able to fully extract the DM content from polyethylene netting. So, the DM content measured in polyethylene netting will be lower than the real DM content</p> <p>2. High temperature at 80oC might impact the recovery of DM content. Therefore, the method from WHO should apply.</p>	<p>We propose that the following methods be adopted: incorporated polyethylene nets - CIPAC 333/LN(M2/3. CIPAC Handbook N, p.34,2012</p> <p>Coated polyester nets - CIPAC 333/LN/M/2, p66, 2009</p>