

3e Mirror meeting prEN 689
13 April 2017 14:00
Session T, NVvA Symposium

steps since April 2016

- The enquiry (June to August 2016) performed by the national bodies.
- Resulting in 550 comments.
- Three/Four meetings to process the comments.
- the demand to CEN/TC 137 Secretary to launch the formal vote is send March 24, 2017
- A second inquiry is promoted by the Germans

Remarks from NVvA mirror session 150919

Unclear (Introduction):

- **why** using this European Standard
- to **whom** it is addressed
- The **additional value** when used

Definition (clause 3):

- What is **Compliance** ?

No start/ignite

Comparison

Clause	689 (1995)	prEN 689 (2016)	NVvA/BOHS
0->4	Intro/Scope/definitions/General		1
5	Exposure assessment		n.a.
5.1	Basic characterisation		n.a.
5.2	Sampling strategy		n.a.
5.3	Measurements		1.2
5.4	Mixtures	Validity (SEG/results)	
5.5	Compliance: Yes, no and in between -> annexes C & D	Screening test 3-5 & Group compliance 6+ Annex F	3.3 Screenings test 3.4 Group compliance 3.6 Individual compliance
quality	Graphical and S-W Annex D.2	Annex E	3.2/5 Validity of SEG, B&W differences
LoQ	-	Annex H 5.5.2	3.7 values <LoQ
7. periodic reassess- ment	Annex E, F	7 + Annex I	

5.5 Comparison of results with OELVs

test	689 (1995)	prEN 689 (2016)	NVvA-BOHS (3)
preliminary	n.a.	3 samples <0,1 OELV 4 samples <0,15 OELV 5 samples <0,2 OELV	3 samples <0,1 OELV
compliance	Annex D Maximum Likelihood (<50%)	5.5 6+ samples $C_{95\%,70\%} < \text{OELV}$ Normal & lognormal	6+ samples , several workers $C_{95\%,70\%} < \text{OELV}$
Between Worker differences	n.a.	(5.4. + Annex E)	ANOVA test on individual outside SEG If, so ↓
Within Worker compliance	n.a.	n.a	Individual compliance (method not really understood)

Some workers deviates

Standard 5.2.1: Where exposure measurements on some workers of the SEG indicate that the OELVs are met (compliance), then it is considered that this is so for all workers in the SEG.

Standard 5.4.3: An important complication is that two workers doing the same job may not have the same exposure.

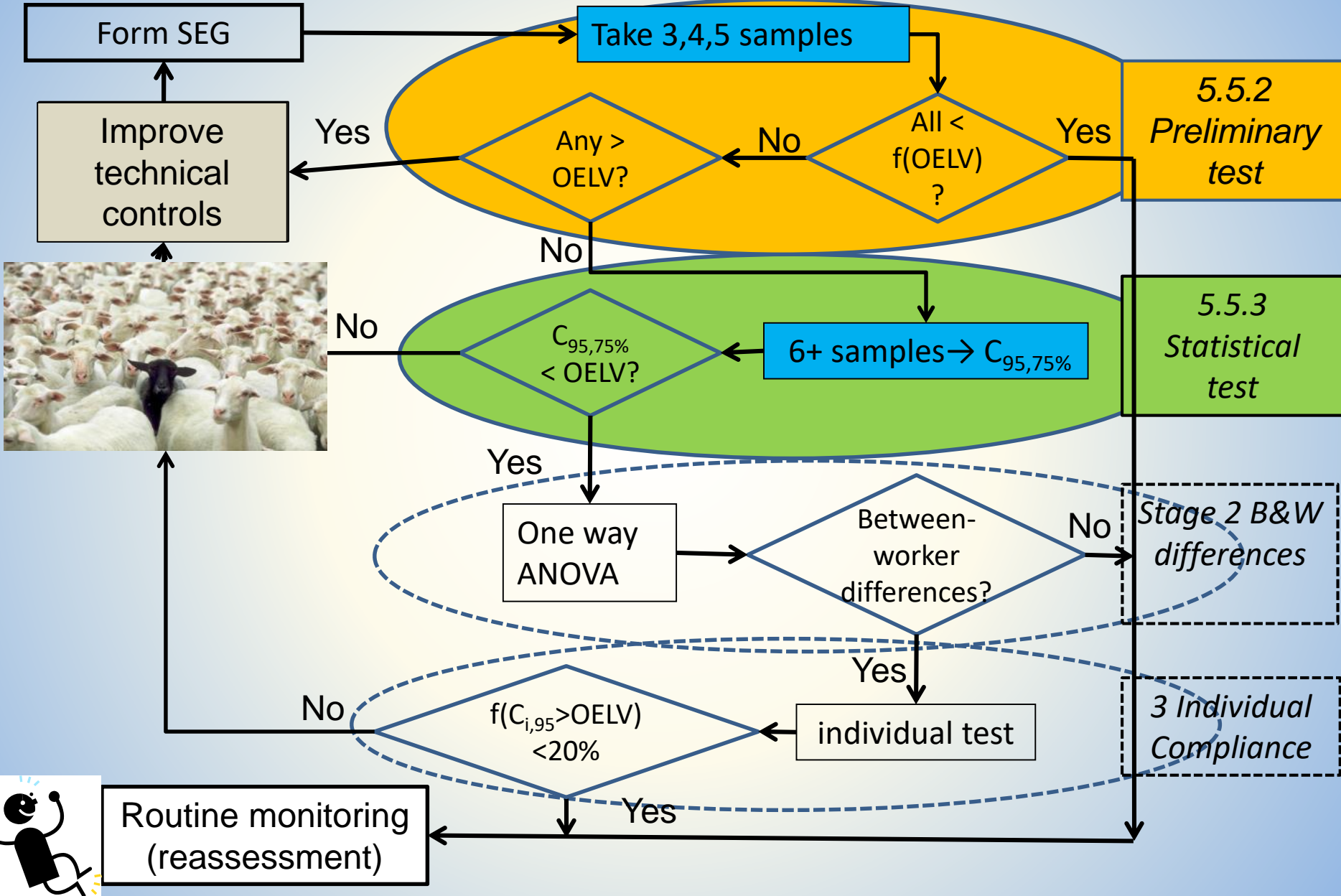
Solution:

- BOHS-NVvA guidance
- individual controls may be more effective if some workers deviate

Time chart

- For periodic reassessments with measurements, the appraiser shall decide upon the number of periodic measurements per SEG. The results shall be validated according to 5.4. If the results pass the validation, **these results can be pooled** with the earlier ones in order to test compliance and to determine the period before the next reassessment.

EN 689/BOHS-NVvA testing schemes



KAHOOT questions

1. Wie moet in Nederland primair de beoordelingsmethodiek vaststellen voor het overschrijden van de grenswaarde bij beroepsmatige blootstelling aan chemische stoffen?
 - a. De overheid (EU of landelijk) c.q. de Sociale partners (SER)
 - b. De deskundige beroepsgroep: Arbeidshygiënist
 - c. Normalisatie (Europees of landelijk)
 - d. Anders nl..... (TNO, Universiteit, Consultants, Arbodiensten)

KAHOOT questions

2. Gezien de 550 commentaren die op het ontwerp van april 2016 zijn ingediend en verwerkt, moet er een nieuwe consultatie ronde komen.
 - a. Ja
 - b. Nee
 - c. Geen mening

KAHOOT questions

3. Nederlandse arbeidshygiënisten dienen de EN 689 aan te vullen met de BOSH-NVvA guidance 2011.
 - a. Altijd
 - b. Indien uit de 'basic characterisation' blijkt dat individuen binnen de SEG verschillend worden blootgesteld.
 - c. Indien uit de 'basic characterisation' blijkt dat individuen binnen de SEG wel degelijk blootgesteld kunnen worden boven de grenswaarde.
 - d. Nooit

KAHOOT questions

4. De huidige ontwerp EN 689 biedt, bij goede uitvoering, de volgende beroepsgroepen zekerheid over het doeltreffend beheersen van de blootstelling (meerdere opties zijn mogelijk):
 - a. De betrokken werknemers en werkgevers
 - b. De uitvoerende arbeidshygiënist ('appraiser')
 - c. De inspecteur van de Arbeidsinspectie
 - d. Epidemiologen, schadeclaim advocaten, de media