

Some elements on On-The-Spot Checks (OTSC) and area measurement

DSCG/2014/32 FINAL

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Evidence-based scientific and technical support Cooperation with policy Directorates-General Sharing its know-how with the Member States



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Sorry for repeating and rehashing ...



That awkward moment.. When you've already said "what?" three times and still have no idea what the person said, so you just agree.



On-The-Spot checks



Objectives unchanged: check <u>all conditions</u> for which aid is granted

But <u>conditions</u> constantly <u>evolve</u>



Technology is also evolving



 \rightarrow OTS checks methods constantly need update if not upgrade



What to check?



New CAP 'checking list'

- Area
- Lengths
- Different land use / land cover aspects
 - Eligibility of land ('minimum activity')
- Crop type

Voluntary Coupled Support Diversification

Permanent grassland

'Exemption thresholds'

 Landscape feature types Traditional cropping practices

GAEC EFA



Ensure an exhaustive review and description of elements to check

Topics of the discussion groups

- Tree counting
- Land maintenance

Erosion, land abandonment, hedge-tree removal ...



Sample selection



Substantial changes in samples selection (art. 30 to 34 of Reg. EU 809/2014)











From LPIS QA experience

Essential step of image processing

The ratio of the ortho-image pixel size to the GSD of the raw image is smaller than 1.3 The resampling of the ortho-image is applied correctly (DEM quality) Absence of artifacts caused by the pan-sharpening Absence of local artifacts caused by the ortho-rectification Absence of saturation of the histogram and poor bit depth Absence of artefacts revealed by the mosaicking (geometric discrepancies visible at seam lines; heterogeneous feature condition across tiles)



Validate area measurement tools



Determine the Inherent tool error (accuracy)



To be used in 'real conditions'



Single buffer tolerance value



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Single buffer tolerance value

Please Note

Only for parcel area measurement in the frame of OTS checks

Up to 2014

- Maximum tolerance 1.5 m
- Use of tolerance value of tool used
- Tools with tolerance up to 1.5 m



From 2015

- Maximum tolerance 1.25 m
- One tolerance for all (single value)
- Tools with tolerance up to 1 m

Ease measurement process

Better acceptance by farmers

Reflect 'real conditions' of checks

'Only' accurate tools





16 413 511 65 75 50 601 9 State Companie Period Mean — State Wall, — 6 506 Cooles — 44 Cool Monthly N24 means for selected applications (categories

Create image interpretation guidelines (with field example)



Essential role of clear features' definition Essential role of definition of common measurement rules



Same area on field and on image



Perform checks



Use appropriate tools







Use tools appropriately



Same conditions, settings as validated

"Stay on the line" But define your line ...









Perform checks

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- Use common rules
- \rightarrow diagnosis CwRS and diagnosis field should be identical
- Measurements only if needed
- Use of Single buffer Tolerance
- Possibility to limit to 50% of parcels
- \rightarrow Results extended to 100%
- Have imagery on field
- Ensure good timing of RFV







• Have digital OTSC manual on field (with examples)



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Please Note

Specificities of the Greening payment

The OTSC will determine the area of each crop based on the cropped areas' limits that are visible in the field (the crop itself or the crop residues) or on the imagery used in CwRS





Produce OTS check REPORT

"In God we trust. All others must bring data".



W. Edwards Deming

Document (justify) and record every diagnosis

- Who, when, where
- Measurement conditions (N.B.: same as validation)
- Take pictures

Digital format reporting

- Scrolling menu, check list
- Common between CwRS and Field check (N.B. Mutual training field and screen)

Have a reporting section dedicated to follow-up

LPIS, EFA layers needs for verification



European Commission



Farmer protest 14



Check and Analysis of OTS checks results



See presentation on 'Quality Management'





Need for new tools?

Use of RPAS as support to OTSC checks?

Pictures used as evidence by farmers? Or others (sensors from precision farming)?

Method for "OTS Check Quality management"?





