

**From:** Dara Haftgoli Bakhtiari <[DHB@foss.dk](mailto:DHB@foss.dk)>  
**Sent:** Monday, January 2, 2023 6:55 AM  
**To:** Darrell Flocken <[darrell.flocken@ncwm.com](mailto:darrell.flocken@ncwm.com)>  
**Subject:** VCAP  
**Importance:** High

Dear Darrell,

I hope you had a great holiday, and I wish you a very joyful 20223.

As discussed during the zoom meeting on November 22<sup>nd</sup>, on behalf of FOSS, I would like to share our concerns on why the VCAP implementation for Grain analyzers such as our Infratec and Infratec NOVA is unnecessary.

**In regard to voltage change**, both Infratec and Nova both use the same external power supply, which can accept ANY voltage between 100-240 Volt AC with a frequency range of 47 – 63 Hz. (50 Hz in Europe / 60 Hz in the US).

Please find the datasheet and the test protocol attached (N1 and N2).

**In regard to temperature change**, Sample temperature variation is built into the calibrations/prediction models. The Infratecs and calibrations/prediction models have NTEP approval and thus have passed the tests according to the NCWM test protocol, which includes a variation of samples with different temperatures. The approved calibrations/prediction models are locked in US, and thus cannot be updated or changed, which means that the results of the test protocol are not subject to change over time.

Furthermore, the supplier of the load cell for our test weight module is NTEP-approved and therefore, the VCAP has already been implemented for them. Please find its datasheet attached (N3).

To sum up, we do **NOT** believe that VCAP program should include rapid grain analyzers such as Infratec or Infratec NOVA grain analyzer.

Please confirm receipt of this email and feel free to reach out to me in case you have any further questions or requests.

Best regards

**Dara Haftgoli**  
Segment Product Manager, Grain & Oilseeds

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**ANALYTICS BEYOND MEASURE**

FOSS Analytical A/S - Nils Foss Allé 1 - Hillerød

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