

UGMA Criteria Document --Attachment A

UGMA Standardized Data Formats

3/27/12 Rev. 5/23/2012, 6/11/2012

All fields are tab-delimited in the data stream for a single sample record.

The End-Of-Record delimiter shall be CR/LF.

Default baud rate should be set to 9600, with user setting possible for other speeds.

NTEP-Required Field	Output Item	Format Information	Real-time Data Output Stream	Instrument-Stored Raw Data Output Stream
	Sample ID	16 alpha-num. char. maximum	Yes	Yes
Yes	Date	8-char. numeric: yyymmdd	Yes	Yes
	Time	24 hour format: hh:mm:ss	Yes	Yes
Yes	Grain Type (Disp. Grain Name)	Standardized Grain Names	Yes	Yes
Yes	Grain Moisture Content, %	2 decimal places, i.e., xx.xx ¹	Yes	Yes
Yes	Test weight lb/bu	1 decimal place, i.e., xx.x	Yes	Yes
	Sample Temperature, C	1 decimal place, i.e., xx.x	Yes	Yes
Yes	Calibration ID/Version	16 alpha-numeric char., maximum	Yes	Yes
	Instrument Serial Number	16 alpha-numeric char., maximum	Yes	Yes
	Measured Dielectric Constant ²	3 decimal places, i.e., x.xxx	Yes	Yes
	Density-Corrected Dielectric Constant ³	3 decimal places, i.e., x.xxx	Yes	Yes
	Sample Mass	grams, 1 decimal place, i.e., xxx.x	Yes	Yes
	GIPSA IT-Standardized Grain Abbrev. ⁴	1-4 alpha characters	Yes	Yes
	Manufacturer-defined Fields	As required	No	Yes
	. as needed			.
	.			.
	.			.
	.			.

¹ For display and printing Official moisture results, use 1 d.p.: xx.x

² Dielectric constant with unit normalization but without model/grain-specific loading corrections

³ Density-corrected dielectric constant incorporating all unit normalization factors and model/grain-specific loading corrections

⁴ Field added on May 23, 2012 as required by GIPSA IT