ANSI/ASABE S647 OCT2018 (R2023)
Seed Cotton Module Identification System

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Keywords: Cotton, Identification, Module

1 Scope

1.1 The scope of the standard is limited to identification of seed cotton modules and the technology to read the identifiers. It does not address data transfer beyond the identifier such as area harvested, location, or ownership information.

1.2 The identifier is meant to provide a link between the field and the gin and to also allow association of bale related data back to the module. Actual use of the association between the bale numbers and module identifier is at the discretion of the gin and producer.

1.3 This standard is designed for global applications so that manufacturers of the enabling technologies and others should expect that if the system defined in this standard is followed, it can be applied to any cotton production system in the world.

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EPC Generation 1 Tag Data Standards Version 1.1 Rev.1.27. Section 3.3 details GID-96 format (https://www.gs1.org/sites/default/files/docs/epc/tds_1_1_rev_1_27-standard-20050510.pdf)

ISO/IEC 16022:2006, Information technology — Automatic identification and data capture techniques — Data Matrix bar code symbology specification

3 Definitions

3.1 cotton module: a compressed bundle of cotton bolls removed from plants at harvest that form a unit of a specific dimension for storage in fields prior to transportation to a cotton ginning facility.

3.2 cover: for cotton module, protective material or combinations of materials sufficient in dimensions and form to protect a cotton module from exposure to rain and wind, and thus minimize fiber and seed quality damage or loss prior to the ginning process.

3.3 GID manager number: An identifier assigned to a company for use with the GID96 RFID standards.

3.4 GS1: an information standards organization that brings industry communities together to solve supply-chain problems through the adoption and implementation of GS1 Standards.

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