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**INDUSTRY STANDARD OF THE
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**Inquiring service process of bottled alcoholic beverage
traceability and anti-counterfeiting based on radio frequency
identification**

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

Please note that some of the content of this document may involve patents. Release mechanism of the present document does not assume responsibility for the identification of these patents.

This standard is proposed and managed by the People's Republic of China Ministry of Commerce.

This standard was drafted. the Ministry of Industry and Information Technology Research Institute of Electronics Standardization and Yantai Oriental Rui Chong Electronic Technology Co., Ltd., North Beijing Hua Tai Electronic Design Co., Ltd., Xi'an Electric Jietong wireless network communications Limited, Yantai Changyu Pioneer Wine Co. Shares the company, Guizhou Moutai Co., Ltd., Sichuan Yibin Wuliangye Co., Ltd.

1 Scope

This standard specifies the bottled wine traceability and anti-counterfeiting applications, bottled wine production and distribution processes and records, security check service processes, retroactive check Enquiry Service processes and bottled wine traceability and security commands requirements.

This standard applies to the design, development and use of radio frequency identification and traceability of bottled wine-based security applications.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 22351.3-2008 Identification cards - Contactless integrated circuit cards Proximity cards - Part 3. Anti-collision and transmission protocol
SB/T 10771 RFID-based bottled wine retroactive application data and security coding
SB/T 10772 Information technology - Radio frequency identification security protocols supported 800/900MHz for air interface communications protocol

3 Terms and Definitions

The following terms and definitions apply to this document.

Traceability and security of public service platform
traceability and anti-counterfeiting public service platforms as bottled wine traceability and security system central node connected reader and winery database, access and distribution of alcoholic traceability and anti-counterfeiting message the basic information platform.

4 Symbol

Tsec. the reader sends a command after security, waiting for the tag response maximum time 20ms Tsec.

5 Acronyms

AK --- authentication key (authenticationkey);

CRC --- cyclic redundancy check code (cyclic redundancy check);

HF --- High Frequency (high frequency);

RET --- discrimination result (result);

RK --- root key (rootkey);

RKI --- root key index (rootkeyindex);

RN --- random number (randomnumber);

TD --- retrospective data collection (tracedataset);

TID --- tag identifier (tagidentifier);