UNITED ARAB EMIRATES Tire Labeling Scheme

Foreword

This regulation aims to provide RFID labels that are registered in a central database for all approved tires in the UAE. These RFID labels shall provide information of the tire's compliance as well as its traceability to both seller and consumer.

Article 1 - Scope

This regulation establishes the requirements of the RFID labels for tires. The requirements set out in this regulation shall apply to the type of tires specified in Annex A.

The Annexes in this regulation and may be changed by ESMA, and shall be subject to the approval of its Board of Directors prior to its implementation.

Article 2 - Definitions

- RFID Radio Frequency Identification
- Tire/Tyre -
- ESMA Emirates Authority for Standardization and Metrology that is the national standardization body of the UAE authorized to enforce this regulation.
- UAE authorities UAE authorities that are authorized to survey or inspect the local market in cooperation with ESMA.
- 3rd Party printing center a 3rd party certification body Standardization & Metrology recognized by ESMA to provide printing services of the RFID label to manufacturers or distributors.
- Manufacturer/Distributor a party recognized by ESMA to print/generate RFID labels for their own products only.
- Retail shop a physical location where tires are displayed and/or stored with the intention to sell the product.
- Showrooms a physical location where tires are displayed for promotion and/or marketing. Car showrooms are included under this definition.
- RFID label a sticker label incorporating an RFID chip and inlay complying with the specifications prescribed in Annex
- 10. GSO conformity certificate a certificate of conformity issued by the GSO and is awarded to the manufacturer of the tire and the details of the tire specified in the certificate.

Article 3 - Requirements

- All tires covered by this regulation shall be provided with the RFID label.
- All tires covered by this regulation shall have a valid GSO conformity certificate prior to the request of RFID labels.

RFID labels shall comply with the design specifications as prescribed in Annex B.

Article 4 - Conformity assessment

All GSO tire conformity certificates shall be verified for its authenticity and recognized prior to the awarding of the RFID labels.

Article 5 - Market monitoring and surveillance

UAE authorities, in cooperation with ESMA, shall have access to the secure database for real-time verification of RFID labels in the market.

Article 6 - Responsibilities

All RFID label information is solely generated by ESMA, including the encryption of such information. Printing centers including manufacturers/distributors recognized by ESMA to have printing privileges shall request for this information from ESMA.

- Manufacturers and UAE Distributors shall provide the RFID labels on all tires covered by this regulation.
- Retail shops and Showrooms shall only accept tires (covered by this regulation) with the RFID labels.
- Manufacturers/Distributors and/or Printing centers shall ensure that the materials (labels, RFIDs and printers) used in printing the RFID labels complies with the requirements set forth in this regulation.

Article 7 - RFID Labels - Printing Privileges

Printing of the RFID labels shall be given to a 3rd party certification body and/or a manufacturer/distributor upon evaluation and approval from ESMA. Evidence of availability of the following requirements shall be provided by the interested party applying for the printing privileges:

- 1. Compatible printing hardware;
- 2. Compliant RFID labels;

ESMA reserves the right to revoke this privilege if reasonable cause is found.

Article 8 - Violations and penalties

Reports of violations and other information related to the effective implementation of this regulation as seen through market surveillance shall be forwarded by the concerned authority to ESMA for study and evaluation.

Penalties as imposed by the issuing authority shall apply.

Article 9 - Transitional provisions

Voluntary period from Week 41 up to Week 52 of 2014.

Annex A - Regulated Types

All brand new passenger car tires manufactured starting from week 45 of 2014.

Annex B - RFID-Tire Tag Design



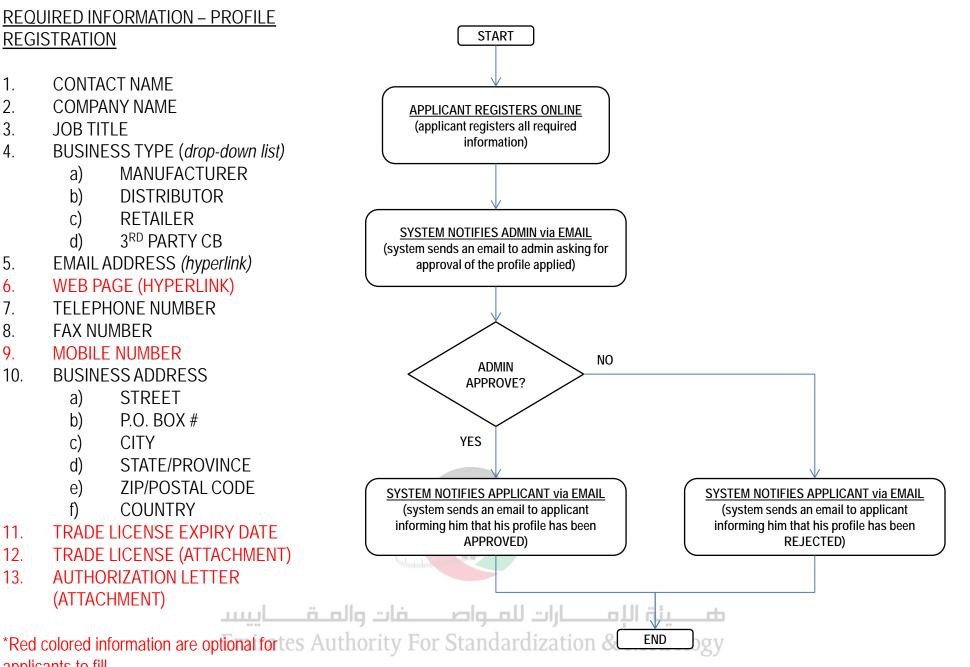


WEB APPLICATION

REQUIRED INFORMATION - PROFILE REGISTRATION

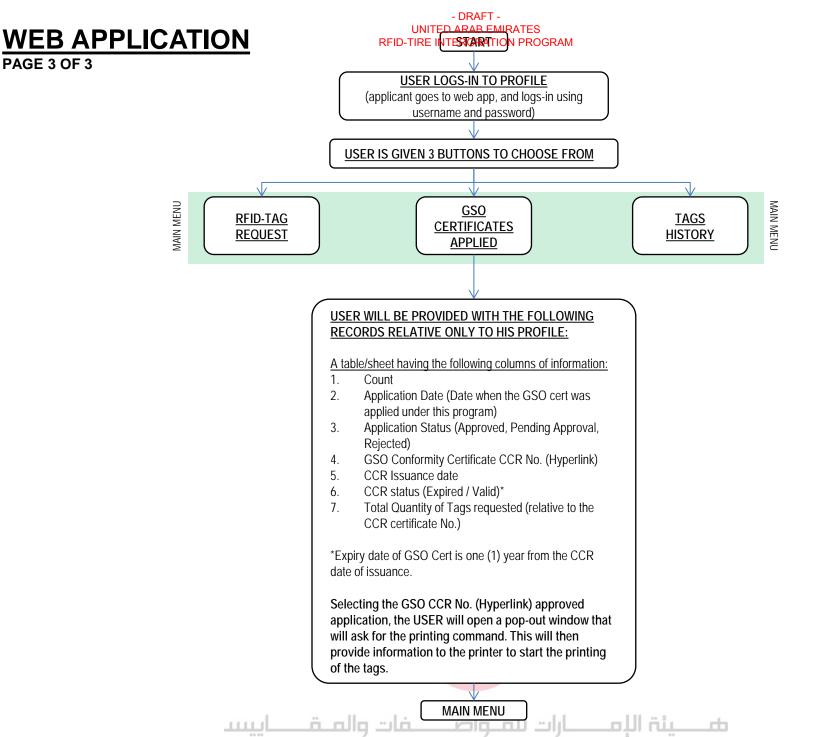
- **CONTACT NAME** 1.
- 2. **COMPANY NAME**
- **JOB TITLE** 3.
- BUSINESS TYPE (drop-down list)
 - **MANUFACTURER** a)
 - b) **DISTRIBUTOR**
 - c) **RETAILER**
 - 3RD PARTY CB d)
- EMAIL ADDRESS (hyperlink) 5.
- WEB PAGE (HYPERLINK) 6.
- **TELEPHONE NUMBER** 7.
- **FAX NUMBER** 8.
- MOBILE NUMBER
- 10. **BUSINESS ADDRESS**
 - **STREET** a)
 - b) P.O. BOX #
 - CITY c)
 - d) STATE/PROVINCE
 - ZIP/POSTAL CODE e)
 - f) **COUNTRY**
- 11. TRADE LICENSE EXPIRY DATE
- TRADE LICENSE (ATTACHMENT) 12.
- 13. **AUTHORIZATION LETTER** (ATTACHMENT)

applicants to fill.



PROFILE TYPES	APPLICATION	APPROVAL	PRINTING
MANUFACTURER, DISTRIBUTOR or RETAILERS (with printing facility)	YES	NO	YES
MANUFACTURER, DISTRIBUTOR or RETAILERS (without printing facility)	YES, THROUGH 3 RD PARTY USER PROFILE (3 RD PARTY, USING THEIR OWN USER PROFILE APPLIES IN BEHALF OF THE APPLICANT)	NO	NO
3 RD PARTY	YES	NO	YES
CE (Conformity Engineer)	NO	YES	NO
ADMIN	YES	YES	NO

- DRAFT -UNITED ARAB EMIRATES **WEB APPLICATION** RFID-TIRE INTESTARATION PROGRAM **USER LOGS-IN TO PROFILE** (applicant goes to web app, and logs-in using username and password) **USER IS GIVEN 3 BUTTONS TO CHOOSE FROM** MAIN MENL GS₀ **RFID-TAG TAGS CERTIFICATES** REQUEST HISTORY **APPLIED** USER WILL BE PROVIDED WITH THE FOLLOWING REQUESTING FOR THE TAGS OPTION, USER IS USER WILL BE PROVIDED WITH THE FOLLOWING: RECORDS RELATIVE ONLY TO HIS PROFILE: **DIVERTED TO THE GUI WHICH HAS 2 SECTIONS:** A table/sheet having the following columns of information: 1ST SECTION REQUIRES THE ENTRY OF THE A table/sheet having the following columns of information: 1. Count REQUIRED INFORMATION (All fields should be filled 1. Count 2. Job/request number Application Date (Date when the GSO cert was 2. completely): Collapsible line to display all the RFID a) applied under this program) GSO Conformity Certificate CCR No. (Numerical 4-7 **UNIQUE SERIAL TAG ISSUED** Application Status (Approved, Pending Approval, integers) 3 UNDER THIS REQUEST. Rejected) 2. CCR issuance date (date format - DD-MMM-3. Request Date (Date when the tags where GSO Conformity Certificate CCR No. (Hyperink) 4. YYYY)* requested) CCR Issuance date 5. 3. Manufacturer Name GSO Conformity Certificate CCR No. (of which the CCR status (Expired / Valid)* Brand Name of the Tire 6. 4 tags where printed against) 5. Country of Origin 7. Total Quantity of Tags requested (relative to the 5. CCR Issuance date CCR certificate No.) Type (Tire Designation/Size) – i.e. 235/45R17 94V 6. CCR status (Expired / Valid)* 6. Tube/Tubeless - (Drop-down list - Tube or 7. 7. Quantity of Tags requested during that time of *Expiry date of GSO Cert is one (1) year from the CCR Tubeless) application (relative to the CCR certificate No.) date of issuance. 8. Temperature Rating – (Drop-down list – 'A', 'B', 'C') 8. Tags printed by (name of the user profile who Traction – (Drop-down list – 'AA', 'A', 'B', 'C') 9. printed the tags) 10. Treadwear – (Numerical value 3 digits max) Upon generation of the sheet/table, the user is given 9. The bottom of the sheet should provide summary of the options to PRINT, EXPORT TO EXCEL, or CLOSE 11. Tread pattern – (Alphanumeric data) total quantity of tags issued. THE TABLE and RETURN TO THE MAIN MENU. **Production Period** 12. Beginning: (Entry of Week No.- 2 a. *Expiry date of GSO Cert is one (1) year from the CCR digits and Year - 4 digits - i.e. 01date of issuance. b. End: (Entry of Week No.- 2 digits and Upon generation of the sheet/table, the user is given Year - 4 digits - i.e. 20-2015) MAIN MENU the options to PRINT, EXPORT TO EXCEL, or CLOSE THE TABLE and RETURN TO THE MAIN MENU. *Expiry date of GSO Cert is one (1) year from the CCR Authority For Standardization & N date of issuance. Each request submitted should be given a unique job/request number. 2ND SECTION REQUIRES THE ENTRY OF QUANTITY OF TAGS: Numerical field Upon completion of data entry, options to SUBMIT APPLICATION, CLEAR FIELDS or CANCEL should be available through ACTION BUTTONS. **APPROVAL** CANCEL ? **CLEAR FIELDS** SUBMIT APPLICATION **PAYMENT** FOLLOWING ACTIONS WILL BE DONE UPON **SUBMITTING THE APPLICATION:** Dialog box with 'OK' action button: Message "Your request has been successfully submitted." CLEAR FIELDS RETURNS TO THE SAME GUI FOR REQUESTING TAGS BUT WITH FIELDS CLEARED WITH PREVIOUSLY ENTERED VALUES. **PRINTING** Email notification sent to the user's email address to confirm that the application recently made was authentic. The same email notification sent to the user **END** should also include a link to click in case the request was considered to be fake or was done without prior knowledge of the user profile owner. This notification is to be directed to the ADMIN. Email notification to conformity engineer (CE) for review and approval. RFID-TIRE INTERGRATION PROGRAM UNITED ARAB EMIRATES - DRAFT -



Emirates Authority For Standardization & Metrology