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Intelligent transport systems — Management of electronic traffic regulations (METR)— —

Part 3:
System of systems requirements and architecture (SoSR)

DTS stage

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Systèmes de transport intelligents — Gestion des règles de circulation sous forme électronique —

Partie 3: Exigences et architecture pour le système des systèmes

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This is the first edition of ISO 24315-3.

A list of all parts in the ISO 24315 series can be found on the ISO website.

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Introduction

0.1 System overview

The ISO 24315 series on the management of electronic traffic regulations (METR) is intended to provide users access to geo-specific, trustworthy, timely, authoritative, machine-interpretable, traffic and transport related rules enacted by jurisdictional entities, including those who define rules for campuses (i.e., private grounds). This is conceptually shown in Figure 0-1.

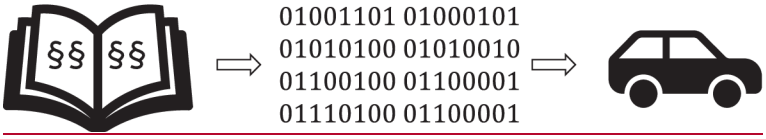

Figure 0-1: — METR concept

0.1.1 Purpose

METR is designed to assist developers and manufacturers of driving automation systems (i.e., automation Levels 1 to 5) and driver information systems (including those at automation Level 0) to electronically obtain traffic rules to better enable:

a) interacting safely with other road users;

b) following instructions from law enforcement organizations, and those authorized to direct traffic;

c) maintaining smooth and safe flow of traffic; and

d) complying with other rules enacted to support legislative policies (such as environmental protection, noise, manage height and weight restrictions, and societal aspects such as market days, fiestas, pedestrian zones, etc.). [1]

METR is designed to provide a reference framework for the trustworthy distribution of electronic versions of legal traffic rules, however content and application of the traffic rules is outside of the scope of the METR standards and specifications.

0.1.2 Flow of information

The general flow of METR information is illustrated in Figure 0-2 and subsequently described.