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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YC/T 474.4-2013

**Specifications for geographic information sharing services of
tobacco industry. Part4: Data exchange and Web Services for
geographic information**

(English Translation)

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Foreword

YC/T 474 "tobacco industry geographic information sharing service basic norm" is divided into four parts.

- Part 1. GIS data element;
- Part 2. geographical information classification code;
- Part 3. geographic information schemata;
- Part 4. GIS data exchange with Web services.

This section is YC/T Part 4 474.

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

This part by the State Tobacco Monopoly Bureau.

This standard by the National Standardization Technical Committee on Tobacco Information Technical Committee (SAC/TC144/SC7) centralized.

This part mainly drafted by. State Tobacco Monopoly Bureau Tobacco Economic Information

Center of Shandong Provincial Tobacco Monopoly Bureau (company), specifically Yunnan Tobacco Monopoly Bureau (company).

1 Scope

YC/T of the provisions of section 474 of the GIS data exchange information system construction of China's tobacco industry involved in the process with the Web Service requirements.

This section applies to China's tobacco industry production, management, information systems and other business activities in the process of building geographic information exchange.

2 Terms and definitions

The following terms and definitions apply to this document.

Vector

Coordinate-based data model, in the form of points, lines and polygons represent geographic features. Each point feature are in the form of a single coordinate table in the form of a diagram, line and area features and places ordered list of vertices representing. Property and each vector element is associated.

Raster

In a series of equal size pixel spatial data model to define the space, in which the pixels are arranged in rows and columns, the entire model by a single or multiple bands constituted. Each cell contains an attribute value and a set of location coordinates.

Physical entity

A phenomenon in the world of reality. It can not be subdivided into the same type of phenomenon.

3 Abbreviations

The following abbreviations apply to this document.

OGC. Open Geospatial Consortium (OpenGeospatialConsortium) WMS. Web Mapping Services (WebMapServer) WFS. Web Feature Service (WebFeatureServer) WCS. Web Coverage Service (WebCoverageServer) WMTS. Web Map Service slices (WebMapTileService) WPS. Web Processing Service (WebProcessingService) SOAP. Simple Object Access Protocol (SimpleObjectAccessProtocol) REST. Representational State Transfer (RepresentationalStateTransfer)

4.1 Vector data exchange requirements

Vector spatial data exchange must meet the accuracy and completeness and correctness of the data requirements.