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**Road vehicles — Map data physical
storage format for car navigation systems**

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee according to the proposal of establishing a Japanese Industrial Standard from Japan Digital Road Map Association(DRM)/ Kiwi-W Consortium / the Japanese Standards Association(JSA), with a draft of Industrial Standard based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

Being in conformance with this Standard may come under the use of the following patent rights:

- Denomination of invention Map display System
Date of registration of invention Dec. 5th, 1997
- Denomination of invention Map display controlling System
Date of registration of invention Feb. 26th, 1996
- Denomination of invention Car-mounted Map display System
Date of registration of invention Nov. 5th, 1996
- Denomination of invention Car-mounted path search System
Date of registration of invention Dec. 17th, 1996
- Denomination of invention Map data base System
Date of registration of invention May. 16th, 1997
- Denomination of invention Navigation system and path search method
Date of registration of invention May. 23rd, 1997
- Denomination of invention Navigation system
Date of registration of invention May. 15th, 1998
- Denomination of invention Map data base System
Date of registration of invention Jun. 26th, 1998
- Denomination of invention Navigation system for vehicles
Date of registration of invention Sept. 4th, 1998
- Denomination of invention Navigation system and Map display System
Date of registration of invention Sept. 4th, 1998
- Denomination of invention Car-mounted Map data base System
Date of registration of invention Sept. 11th, 1998
- Denomination of invention Navigation system
Date of registration of invention Dec. 18th, 1998
- Denomination of invention Navigation system
Date of registration of invention Nov. 12th, 1999
- Denomination of invention Navigation system and information storage device
Date of registration of invention May. 16th, 2003
- Denomination of invention Map Data base
Date of registration of invention Oct. 20th, 2000
- Denomination of invention Navigation system and storage media
Date of registration of invention Dec. 8th, 2000
- Denomination of invention Address range data and position coordinate calculation program
recorded storage device
Date of registration of invention Apr. 20th, 2001
- Denomination of invention Registered location searching data recorded storage device
Date of registration of invention Apr. 20th, 2001

D 0810 : 2004

Denomination of invention Navigation system

Date of registration of invention Nov. 30th, 2001

Denomination of invention Indicator for road map for vehicle

Date of registration of invention Feb. 8th, 2002

Denomination of invention Car-mounted Navigation System

Date of registration of invention Mar. 22nd, 2002

Denomination of invention Navigation System

Date of registration of invention Jul. 5th, 2002

Denomination of invention Indicator for road map for vehicle

Date of registration of invention Oct. 4th, 2002

Denomination of invention Navigation system and storage device

Date of registration of invention Jun. 20th, 2003

Denomination of invention Map information formulating method, formulation System and navigation system

Date of registration of invention Jul. 30th, 2003

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Road vehicles — Map data physical storage format for car navigation systems

Introduction This Japanese Industrial Standard establishes, in order to specify a map data storing system in the car navigation systems for planning at promotion of the compatibility between a car navigation systems and a map database.

1 Scope This Standard specify the physical data organization for data format (physical storage format : PSF) is stored in physical media, such as CD and DVD, in a car navigation systems.

Physical data organization is shown in Fig. 1

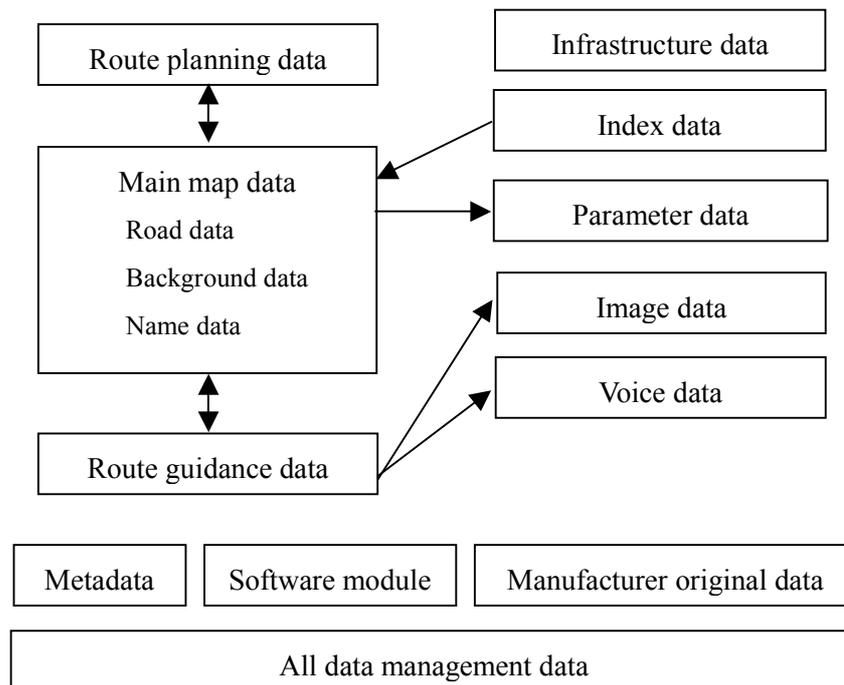


Fig. 1 Data structure of a format

2 Normative references The following Standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. If the indication of the year of coming into effect is given to these referred standards, only the edition of indicated year constitutes the provision of this Standard but the revision and amendment made thereafter are not applied. The normative references without the indication of the year of coming into effect apply limiting only to the most recent edition (including the amendment).

ISO 9660:1988 Information processing — Volume and file structure of CD-ROM for information interchange

ISO/IEC:8859-1 Information technology — 8-bit single-byte coded graphic character sets — Part 1:Latin alphabet No. 1

3 Definition of terms The definitions of terms used in this Standard are described below: