T-Format(2): T-Engine Vendor Code System

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Foreword

The T-Engine Project has been established to offer an open, real-time standardized development environment with the aim of achieving a ubiquitous computing environment where everything has a computer incorporated in it and is connected to a network. T-Engine is trying to offer an efficient development environment for the development of portable information devices, home electronic appliances and other network devices in a short period of time.

T-Engine employs network security architecture called eTRON whose architecture is intended to prevent tapping, falsification, and disguise of malicious users so that electronic information can be safely delivered to the other party through insecure network channels.

To support efficient development, T-Engine standardizes hardware (T-Engine board) and real-time kernel (T-Kernel), and especially encourages distribution of middleware. T-Engine is also aimed at smoothing cooperation among semiconductor makers, hardware makers, software makers and system manufacturers, encouraging mutual business dealings, reducing development time and cost, thus enabling high value added product offerings in a short period of time. The combination of advanced semiconductors, implementation and software technologies in T-Engine makes it suitable and unrivaled for the development of advanced application products.

Scope

T-Format specifies the code format of middleware and application software that run on T-Engine/T-Kernel. T-Format includes the following three specifications:

1. Source-code style guideline
    Source-code style format for middleware and application that run on T-Engine/T-Kernel. By using the format, source codes written by various vendors can be combined and compiled/linked as one program.

2. Standard binary format
    Standard executable format for distributing, in binary code, middleware and application software that run on T-Engine/T-Kernel. Executable code format and debugger symbol format are defined.

3. Standard documentation format
    Type and format of documentation that is attached to distributed middleware and application software.

This document defines the format and rules for assignment of software vendor codes, which are part of the naming rules of T-Format.

Normative References

1.   T-Engine Vendor Code

The T-Engine Vendor Code System defines the framework of unique code assigned to each vendor providing software and/or hardware that meets T-Format and T-Engine specifications, respectively. The code is called T-Engine Vendor Code (TVC). Middleware vendors that provide middleware meeting the T-Format specifications need to have their own TVC assigned.

1.1   Format

T-Engine Vendor Code shall be a string of three to eight characters that meets the following conditions.

- Usable characters shall be "a"-"z", and "0"-"9".

- The first character must be "a"-"z".

(Example)

Vendor name:	YRP Ubiquitous Networking Laboratory
Domain name:	unl

1.2   Assignment Rules

The following rules shall apply to T-Engine Vender Code (TVC):

- The T-Engine Forum assigns a TVC to a vendor upon request of the vendor.

- Vendors that are assigned TVC shall be members of the T-Engine Forum.

- The effective term of a TVC shall be until the vendor to whom the TVC is assigned resigns from the T-Engine Forum.

- The TVC once assigned to a member shall not be reassigned to another member even though the assigned vendor resigns from the T-Engine Forum.

- Change of any TVC once assigned will not be allowed.

- Transfer of any TVC assigned will not be allowed.

- The T-Engine Forum shall separately lay out guidelines for TVC assignment. The T-Engine Forum shall not assign any TVC outside of the guidelines.

Annex A   T-Engine Vendor Code Assignment

The following is the TVCs assigned as of January 22, 2003.

aplix	Applix Corporation
esol	eSOL, Co., Ltd.
nes	NEC Soft, Ltd.
nttd	NTT DATA CORPORATION
osw	OMRON SOFTWARE Corporation
grp	Grape Systems Inc.
sha	Sharp Corporation
solid	Solid (Information Technology)
dnp	Dai Nippon Printing Co., Ltd.
digion	DigiOn, Inc.
denso	DENSO CORPORATION
tos	TOSHIBA CORPORATION
nel	NEC Corporation
nul	Nihon Unisys Ltd.
pmc	Personal Media Corporation
htc	Hitachi, Ltd.
aex	Hitachi ULSI Systems Co., Ltd.
fjed	FUJITSU LIMITED
ymh	YAMAHA CORPORATION
ydc	Yokogawa Digital Computer Corporation
unl	YRP Ubiquitous Networking Library
ricoh	Ricoh Co., Ltd.
slut	Sakamura Laboratory, University of Tokyo