

How to use Index Data of electronics parts

- Increasing the shared Parts and Decreasing the total Parts numbers by using core data based on IS Dictionaries -

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Impact of IT revolution

Information could be transmitted globally at light speed

- ✓ Diversification of life style by various information

↳ in B to B, B to C, C to C

➤ Impacts to the electronic business domain

- ✓ Global standardization of digital home use electronics products

↳ bring to Mega Competition

- ✓ Diversification of products X Short term needs

↳ Product cycle becomes short

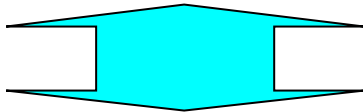
- ✓ CSR (Corporate Social Responsibility)

↳ Increase in the influence

➤ Solutions in Panasonic group

- ✓ Short cycle production, Cell process, Synchronized global production

↳ Parts supply; Just In Time, Common use, Standardization,
Stable Quality, Stable Delivery,
Lead-Time shortening, Inventory reduction, etc.



Increasing the shared Parts and Decreasing the total Parts numbers
by using core data based on IS Dictionaries

How to use the Core Index Data of Parts

Information User

- ✓ Registration of every adopted part's code number: [GC]
- ✓ Organized sourcing engineer;
 - Collect and import the Core Index Data of “GC” to Library
 - Core Index Data; important and key properties in IS Dictionary
 - Designation, Recommendation, Standardization, etc.
- ✓ Share the information of Library though portal intranet site

- **Search and compare similar characteristics**
 - Linked to the Delivery Specifications or a downloaded Catalog
- **Confirm the condition of a part**
 - PROD or NRND, Pb free, Substitutive part's code number, etc.
- **Import several properties to each CAD library**
 - Candidate parts code numbers and their main characteristics appear when a value is inputted in a circuit drawing.

Benefits of information suppliers

Information Supplier

- ✓ Supply PDF file of delivery spec. and the Index Data

Index Data; [technical properties + business properties]

described to each part code number

based on an IS Dictionary [RNTD ver. n, ECALS ver. n. etc.]

any file format [csv, xls, xml]

any exchange process [e-mail, collaborative web site, server to server]

➤ Information by the business strategy

Guiding to the standardized products [spec., package, packing]

Guiding by business condition [PROD or NRND, Recommendation flag]

➤ Increase in efficiency of the information transmission

Supply one data-set to global multiple users

➤ One data-set to multiple user companies

Based on an International Standardized Dictionary

What is the Core Index Data

PREFNAME.JA	Sample
Global Code	(specified by Matsushita)
Template Version	5.2_2 (specified by Matsushita)
Version Number	002 (specified by Matsushita)
Revision Number	01 (specified by Matsushita)
Last Revised Date	2006-03-
Class Code	XJA771
Component Class Name	FIXED CHIP RESISTORS
Product Name	xxxxxx
Family or Series Name	Xxx
Part Number	XXXnnnnnnnn
Company Name	(specified by Matsushita)
Company Code	(specified by Matsushita)
Product Lifecycle Stage	PROD
Application Scope	
Package Type	
Mounting Method Flag	TRUE
Environmental Matter	Pb free
Quantity in standard packing	nnn
Contact Address	http://www.xxxxxx.co.jp/index.htm
Catalog Document File	xxxxx.pdf
Mass	0.005
Packing Type	Embossed Carrier
Remark	Standard

Picked out from IS Dictionaries

PREFNAME.JA	Sample
Rated dissipation	0.5
Rated resistance	1000
Resistance Tolerance	1
Rated voltage	10
Limiting element voltage	50
Ctgy temp range_Min	-55
Ctgy temp range_Max	155
Resistive material	metal glaze
Temp. coefficient_Min	-100
Temp. coefficient_Max	100
Size	1005
External shape	rectangular

Technical Properties

Business Properties

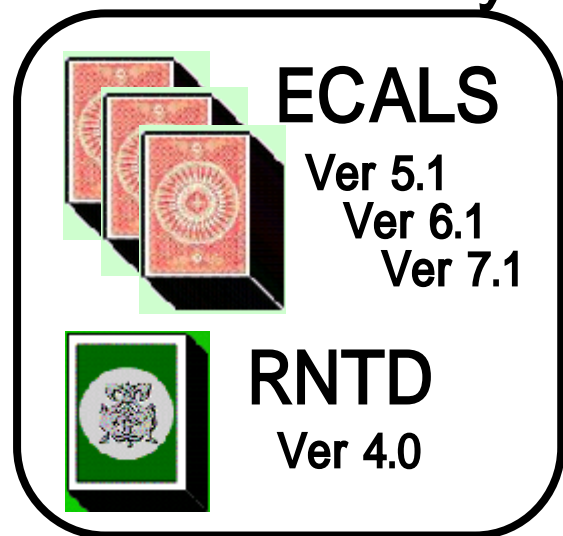
Customized Property

Exchange and update by History-Table

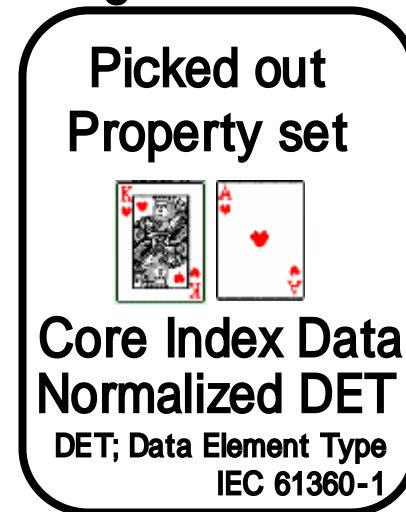
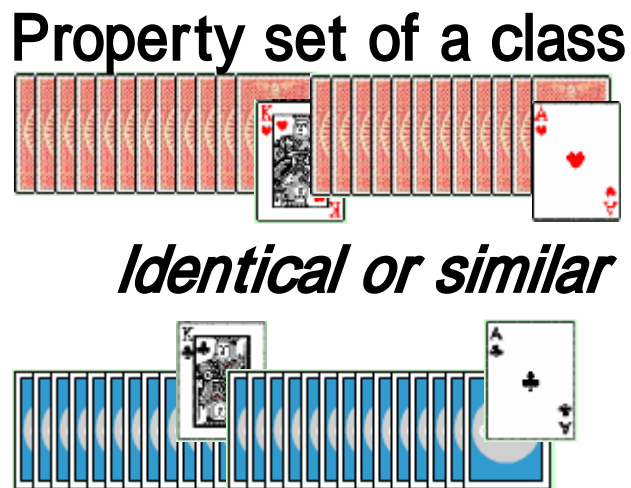
How to merge the IS Dictionary

- Just like a card game -

International Standard Dictionary



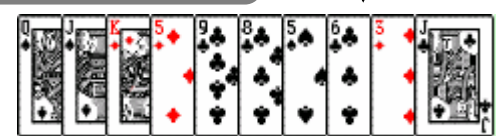
Customized Dictionary Merged classes



User

Use an IS Dic.

Supplier



Index Data of a Product
Based on property set of a class

any exchange process

e-mail
collaborative web site
server to server

