

## 2MOBILITY (Global Mobility Standards Database)



- Subject Coverage**
- Automation
  - Emissions
  - Environment
  - Fuels & Lubricants
  - Human factors
  - Management
  - Manufacturing
  - Marketing
  - Materials
  - Noise & Vibration
  - Population
  - Reliability
  - Research & Design
  - Quality
  - Safety
  - Stands & Specifications
  - Testing
  - Transportation

**File Type** Bibliographic

**Features**

Thesaurus	None				
Alerts (SDIs)	None				
CAS Registry Numbers <sup>®</sup>	<input type="checkbox"/>	Page Images	<input type="checkbox"/>	STN AnaVist	<input type="checkbox"/>
Keep & Share	<input type="checkbox"/>	<a href="#">SLART</a>	<input checked="" type="checkbox"/>	STN Easy	<input type="checkbox"/>
Learning Database	<input type="checkbox"/>	Structures	<input type="checkbox"/>	STN Viewer	<input type="checkbox"/>

- Record Content**
- Bibliographic information
  - Controlled and supplementary terms
  - Abstracts

**File Size** 13,765 records (03/12)

**Coverage** 1936-present

**Updates** Reloaded monthly

**Language** English

**Database Producer**  
SAE International  
400 Commonwealth Drive  
Warrendale, PA 15096  
Phone: (724) 772-7108  
Telefax: (724) 776-3036

**Sources** Standards and specifications

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**User Aids**

- Online Helps (HELP DIRECTORY lists all help messages available)
- STNGUIDE

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**Clusters**

- ALLBIB
- ENGINEERING
- FUELS
- MATERIALS
- MOBILITY
- SAFETY

[STN Database Clusters](#) information (PDF).

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**Pricing** See the [STN Price List](#) or enter HELP COST at an arrow prompt (=>).

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## Search Display Field Codes

Fields that allow left truncation are indicated by an asterisk (\*).

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index* (contains single words from the abstract (AB), controlled Term (CT), supplementary term (ST), and title (TI) fields) <b>(1)</b>	None (or /BI)	S TRUCK AND BRAKE# S PASSENGER CARS/BI S SAE(S)STANDARD	AB, CT, ST, TI
Abstract <b>(1)</b>	/AB	S CAE/AB	AB
Accession Number	/AN	S 2005:59/AN	AN
Classification Code <b>(2)</b>	/CC	S SPACE/CC S "AIR OR SPACE"/CC	CC
Controlled Term	/CT	S ADHESIVE?/CT	CT
Controlled Word	/CW	S (METAL(S)REPAIR#)/CW	CT
Country of Publication (ISO code and text)	/CY	S US/CY S UNITED STATES/CY	CY
Cross Reference	/CR	S AATCC TEST?/CR	CR
Document Number	/DN	S SAE AIR 1167/DN	DN
Document Type	/DT	S STANDARD/DT	DT
Entry Date <b>(3)</b>	(or /TC) /ED	S S/DT S ED>=20050411	ED
Field Availability	(or /UP) /FA	S AB/FA	FA
File Segment (code and text)	/FS	S SAE/FS S DIN/FS	FS
Language (ISO code and text)	/LA	S EN/LA S ENGLISH/LA	LA
Note	/NTE	S DIN/NTE	NTE
Publication Date <b>(3)</b>	/PD	S PD>20050411 AND FASTENERS/CT	SO
Publication Year <b>(3)</b>	/PY	S 2003-2005/PY	PY, SO
Source (contains publishing and source information, location, publication date, and publication year)	/SO	S (REG? AND SAFETY AND HIGHWAY)/SO	PD, PY, SO
Supplementary Term	/ST	S INCONEL 7?/ST	ST
Title* <b>(1)</b>	/TI	S BRAKE CYLINDER#/TI	TI

**1)** In 2MOBILITY a numeric search for a specific set of physical properties (/PHP) is available within the English full text fields (AB, BI, TI). The numeric values are not displayed as single fields, but highlighted within the hit displays. Use EXPAND/PHP to search for all available physical properties. A search with the respective field codes will be carried out in all database fields with English text. The /PHP index contains a complete list of codes and related text for all physical properties available for numeric search. See HELP NPS.

**(2)** Searching with implied (S) proximity is available in this field.

**(3)** Numeric search field that may be searched using numeric operators or ranges.

**2MOBILITY****DISPLAY and PRINT Formats**

Any combination of formats may be used to display and print answers. Multiple codes must be separated by commas or spaces, e.g., D L1 1-5 TI SO. The fields are displayed or printed in the order requested.

Hit-term highlighting is available for all displayable fields except PY. Highlighting must be ON during SEARCH to use the HIT, KWIC, and OCC formats.

<b>Format</b>	<b>Content</b>	<b>Examples</b>
AB AN CC CR CT CY DN DT (TC) ED FA (1) FS LA NTE PY (1) SO ST TC TI	Abstract Accession Number Classification Code Cross Reference Controlled Term Country of Publication Document Number Document Type Entry Date Field Availability File Segment Language Note Publication Year Source Supplementary Term Treatment Code (Document Type) Title	D L4 1-4 AB D L1 3 AN D CC 5-10 D 1-3,7,8 CR D CT D CY 1-5 D L1 DN 3 D 1,3,6 DT L5 D ED D FA D FS D 1,4 LA D NTE D PY D SO D L3 ST D TC D TI 2
ABS ALL BIB CBIB DALL IALL IBIB IND SAM SCAN (2) TRIAL (TRI, SAMPLE, SAM, FREE)	AB AN, DN, CR, TI, SO, CY, DT, FS, LA, ED, AB, CC, CT, ST AN, DN, CR, TI, SO, CY, DT, FS, LA, ED (default) AN, DN, compressed bibliographic information ALL, delimited for post processing ALL, indented with text labels BIB, indented with text labels CC, CT, ST TI, CC, CT, ST TI, CC, CT, ST (random display without answer number) AN, TI, CC, CT, ST	D 2,6 ABS D L1 ALL D BIB D 4-7 CBIB D DALL D IALL 3 D L4 IBIB 2 5 D IND L8 D 1-5 SAM D SCAN D 1-5 SAM
HIT KWIC OCC (1)	Fields containing hit terms Hit term with 20 words on either side (KeyWord-In-Context) Number of occurrences of hit terms and fields in which they occur	D HIT D KWIC D OCC

(1) Custom display only.

(2) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

## SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers or an L-number containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Abstract	AB	Y	Y
Accession Number	AN	Y	Y
Classification Code	CC	Y	Y
Controlled Term	CT	Y	Y
Country of Publication	CY	Y	Y
Cross Reference	CR	Y	Y
Document Number	DN	Y	Y
Document Type	DT (TC)	Y	Y
Entry Date	ED	Y	Y
Field Availability	FA	Y	N
File Segment	FS	Y	Y
Language	LA	Y	Y
Occurrence Count of Hit Terms	OCC	N	Y
Publication Date	PD	Y	Y
Publication Year	PY	Y	Y
Supplementary Term	ST	Y	Y
Title	TI	Y (default)	Y
Update Date	UP	Y	Y

(1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT TI.

## Sample Records

### DISPLAY ALL

AN 2010:11746 2MOBILITY

DN SAE J 2461

CR SAE J 1683; SAE J 1924; SAE J 2214; SAE J 2286; TMC RP1210

TI Vehicle Electronic Programming Stations (VEPS) System Specification for Win32®

SO 3:36 (5 Feb 2010), pp. 333  
Published by: SAE International, Warrendale, Pennsylvania, USA  
Source Note: Other Number: J2461

CY United States of America

DT Standard; (RECOMMENDED PRACTICE)

FS SAE

LA English

ED Entered STN: 15 Feb 2012  
Last updated on STN: 15 Feb 2012

AB SAE J2461 specifies the recommended practices of a Vehicle Electronics Programming Stations (VEPS) architecture in a Win32® environment. This system specification, SAE J2461, was a revision of the requirements for Vehicle Electronics Programming Stations (VEPS) set forth in SAE J2214, Vehicle Electronics Programming Stations (VEPS) System Specification for Programming Components at OEM Assembly Plants (Cancelled Jun 2004). SAE J22214 standard has been cancelled indicating that it is no longer needed or relevant. SAE J 2461 describes the application of the Win32® environment to the customization of programmable components assembled in OEM vehicles, where components provide a communication API such as TMC RP120. Because the customization is performed using both OEM-provided and vendor-provided software, the roles and responsibilities of the vendor and OEM elements must be defined to permit the development of common vendor software elements for all Original Equipment Manufacturers (OEMs). SAE J 2461 identifies the system resources of a Win32® computer between OEM and vendor components, the required elements comprising VEPS, and specifies the software interfaces needed between the OEM-supplied elements and the vendor-supplied elements. By maintaining many common elements with SAE J 2214, an orderly transition from a MS-DOS® based VEPS to a Win32® VEPS can be achieved. SAE J 2286 is the software interface element of SAE J 2214 that specifies the Vendor Component Program Data File Interface for OEM Assembly Operations. SAE J 2286 will still be the Data File Interface used for the Win32® VEPS. TMC RP1210 describes the communication API used by the vendor programs. The OEMs typically are horizontally integrated. Each major vehicle component has multiple vendors who compete for component sales in OEM markets. Customer orders determine a set of components from this variety to meet the vehicle's desired performance requirements. Customization and calibration of these components for the vehicle's application necessitates the need for a standard method to perform this programming without causing the OEM to install special VEPS for each vendor component. Hence the existence of MS-DOS® SAE J2214. As the need for more applications grow at OEM VEPS, a more flexible solution to the current RP is needed. Win32® SAE J 2461 provides such a solution.

CC Land or Sea

CT Communication systems; Computer equipment; Electronic equipment; Interface protocols

**DISPLAY BIB**

AN 2010:235 2MOBILITY  
DN SAE J 2461  
TI Vehicle Electronic Programming Stations (VEPS) System Specification for Win32(TM)  
SO (2010 Feb 05) 3:36. SAE International, Warrendale, Pennsylvania, USA.  
Other Number: J2461.  
CY United States  
DT Standard; (RECOMMENDED PRACTICE)  
FS SAE  
LA English

**DISPLAY SCAN**

TI Elastomeric Bushing 'TRAC' Application Code  
CC Land or Sea  
CT Bushings; Coding

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**In North America**

CAS  
STN North America  
P.O. Box 3012  
Columbus, Ohio 43210-0012 U.S.A.

CAS Customer Center:  
Phone: 800-753-4227 (North America)  
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