2MOBILITY (Global Mobility Standards Database)

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

File Type Bibliographic

Features

Thesaurus	None				
Alerts (SDIs)	None				
CAS Registry Numbers® Identifiers	☐	Page Images	☐	STN® AnaVist™	☐
Keep & Share	☐	SLART	☑	STN Easy®	☐
Learning Database	☐	Structures	☐		

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

File Size 12,369 records (05/2018)

Coverage 1936-present

Updates Reloaded monthly

Language English

Database Producer
SAE International
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Sources	Standards and specifications
User Aids	• Online Helps (HELP DIRECTORY lists all help messages available) • STNGUIDE
Clusters	• ALLBIB • ENGINEERING • FUELS • MATERIALS • MOBILITY • SAFETY STN Database Clusters information (PDF).
Pricing	Enter HELP COST at an arrow prompt (=>).

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) **(1)**	None (or /BI)	S TRUCK AND BRAKE# S PASSENGER CARS/BI S SAE(S)STANDARD S ?CYLINDER/AB	AB, CT, ST, TI
Abstract **(1)**	/AB	S CAE/AB	AB
Accession Number	/AN	S 2005:59/AN	AN
Classification Code **(2)**	/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 (or /TC)	S STANDARD/DT S S/DT	DT
Entry Date **(3)**	/ED (or /UP)	S ED>=2012	ED
Field Availability	/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 **(3)**	/PD	S PD>20050411 AND FASTENERS/CT	PD, SO
Publication Year **(3)**	/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	SO
Supplementary Term	/ST	S INCONEL 7?/ST	ST
Title* **(1)**	/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.

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.

Format	Content	Examples
AB	Abstract	D L4 1-4 AB
AN	Accession Number	D L1 3 AN
CC	Classification Code	D CC 5-10
CR	Cross Reference	D 1-3,7,8 CR
CT	Controlled Term	D CT
CY	Country of Publication	D CY 1-5
ED	Entry Date	D ED
FA **(1)**	Field Availability	
DN	Document Number	D L1 DN 3
DT (TC)	Document Type	D 1,3,6 DT L5
FS	File Segment	D FS
LA	Language	D 1,4 LA
NTE	Note	D NTE
PY **(1)**	Publication Year	D PY
SO	Source	D SO
ST	Supplementary Term	D L3 ST
TI	Title	D TI 2
ABS	AB	D 2,6 ABS
ALL	AN, DN, CR, TI, SO, CY, DT, FS, LA, ED, AB, CC, CT, ST	D L1 ALL
DALL	ALL, delimited for post processing	D DALL
IALL	ALL, indented with text labels	D IALL 3
BIB	AN, DN, CR, TI, SO, CY, DT, FS, LA, ED (default)	D BIB
IBIB	BIB, indented with text labels	D L4 IBIB 2 5
IND	CC, CT, ST	D IND L8
SCAN **(2)**	TI, CC, CT, ST (random display without answer number)	D SCAN
TRIAL (TRI, SAMPLE, SAM, FREE)	AN, TI, CC, CT, ST	D 1-5 SAM
HIT	Fields containing hit terms	D HIT
KWIC	Hit term with 50 words on either side (KeyWord-In-Context)	D KWIC
OCC **(1)**	Number of occurrences of hit terms and fields in which they occur	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® SSAE 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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