



SAE International



Global Ground Vehicle Standards

Technical Standards Update Challenge for 2011

March 31, 2011



Technical Standards Update Challenge for 2011

The Development of relevant and timely technical standards and timely updates to these standards for our industry and government agency customers is a priority for SAE.

- 43% of WIPs are more than 5 years old; 12% have been in work for more than 10 years.
- 52% of active standards require a five year review.



Technical Standards Update Challenge for 2011

Total Number of Standards Requiring 5-Year Review*					
Councils	Total	Five Years or Newer	Five Years or Newer %	Older than Five Years	Older Than Five Years %
Aerospace Council	6,864	3,490	50.85%	3,374	49.16%
Materials, Processes and Parts Council	350	105	30.00%	245	70.00%
Motor Vehicle Council	778	290	37.28%	488	62.72%
Fuels and Lubricants Council	37	11	29.73%	26	70.27%
Truck and Bus Council	222	91	40.99%	131	59.01%
Specialized Vehicle and Equipment Council	114	53	46.49%	61	53.51%
Construction Agricultural and Off Road Machinery Council	194	82	42.27%	112	57.73%
Totals	8,559	4,122	48.00%	4,437	52.00%
*Includes all WIP <u>AND</u> Standards that are <u>NOT</u> currently listed in WIP.					
Attachment 2					



Technical Standards Update Challenge for 2011

Standards - Work in Progress (WIP) Chart													
Council	Age of WIP	<1	<2	<3	<4	<5	<6	<7	<8	<9	<10	>=10	Totals
Aerospace	Issued	13 5	68	50	56	29	18	17	18	7	5	32	435
	Revised	55 4	14 4	20 0	19 8	43	34	27	14	13	4	25	1,256
Materials, Processes and Parts	Issued	7	3	2	4	1	1	2	3	0	0	4	27
	Revised	5	9	15	5	2	1	4	6	9	2	3	61
Motor Vehicle	Issued	32	29	28	7	4	5	7	3	6	1	10	132
	Revised	46	27	48	20	8	10	2	3	2	0	12	178
Fuels and Lubricants	Issued	0	0	0	0	0	0	0	0	0	0	0	0
	Revised	4	2	0	0	4	1	0	0	0	0	0	11
Truck and Bus	Issued	5	8	0	2	1	1	6	5	1	0	0	29
	Revised	20	9	5	8	9	2	2	0	2	1	4	62
Specialized Vehicle and Equipment	Issued	0	0	2	0	0	0	0	0	0	0	1	3
	Revised	9	4	5	2	2	1	1	1	2	0	0	27
Construction Agricultural and Off Road Machinery	Issued	0	1	0	0	1	0	0	0	1	0	4	7
	Revised	6	5	5	6	9	3	0	2	1	0	0	37
TSB Total WIP		82 3	30 9	36 0	30 8	11 3	77	68	55	44	13	95	2,265
Attachment 1													



Technical Standards Update Challenge for 2011

TSB Metric Initiatives

Metrics

- Participation - % responding to first ballots
- Documents more than 5 years old
- Average time from WIP to publication
- Age of WIPs in years
- Committee balance

Timeline: 1 – 3 years

3 – 5 years

5 – 10 years

Milestones:

70% first ballot responses
25% stds more than 5 yrs old
85% of WIPs < 4 yrs
1.3 yrs from WIP to publish

75% first ballot response
15% stds more than 5 yrs old
90% of WIPs < 4 yrs
1.2 yrs from WIP to publish

80% first ballot response
% stds more than 5 yrs old
95% of WIPs < 4 yrs
1.1 yrs from WIP to publish



Technical Standards Update Challenge for 2011

J-Document Category Definitions:

- **Issued** – The first time a technical report is published. Subject to 5-year review.
- **Revised** – An active technical report has been updated and re-published. Subject to 5-year review.
- **Reaffirmed** – A technical report which has been reviewed by the technical committee and determined to be current with no need for immediate revision. Subject to 5-year review.

New Category: “Stabilized”

- **Stabilized** - A technical report that has been ‘frozen’ at the last active revision level. A 5-year review is not required.
- **Cancelled** – A technical report that is deemed ‘not fit for use’ due to technical reasons or when its technical requirements are totally superseded by another document. A 5-year review is not required.



Technical Standards Update Challenge for 2011

“Stabilized” Category Rationale:

- The technical report covers technology, products, or processes which are mature and not likely to change in the foreseeable future.
- The technical report covers technology, products, or processes for which technical expertise no longer resides in the owning committee.
- The committee cannot find users for the technical report.

“Cancellation” Category Rationale (* Cancellation should be rare):

- A clear rationale statement is required (when possible, will direct users to alternative technical reports).
- A technical report shall not be cancelled based only on administrative reasons such as no identified use, existence of newer technology, or no committee expertise, etc.
- Determination that a document is not fit for use may be made when there is a clear safety issue with continued use, or when there has been a government requirement that can only be accommodated by elimination of the document.



Technical Standards Update Challenge for 2011

Questions or assistance:

Please contact your SAE Staff Representative:

**SAE Automotive Headquarters
755 Big Beaver Road
Troy, MI 48084
248-273-2455**