

Table 1

Annual Respondent Burden and Cost - Marine SI Engine Certification and AB&T Programs

Information Collection Activity	Hours and cost per application											Total hours and cost		
	Engineer @72.43/hr	Manager @ \$110.29/hr	Legal @ \$114.77/hr	Test Cell Operator@ \$50.63/hr	Transportation @ \$42.86/hr	Clerical@ \$	Respon. hr/yr	Labor Cost/yr	Capital Startup Cost	O & M Cost(1)	Applications/ respondent(2)	Number of Respon.	Total hr/yr	Total Cost/yr
Review of regs and guidance document	16	9	10	4	0	1	40	3,532	0	0	1.0	12	480	42,380
Developing eng families groups	3	1	0	0	0	1	5	358	0	0	1.0	12	60	4,290
Developing deterioration factors	12	5	0	38	2	3	60	3,520	0	0	1.0	12	720	42,241
Testing/Gathering emission data on test engines	30	14	0	22	2	14	82	5,336	0	0	1.0	12	984	64,027
Laboratory maintenance(1)	0	0	0	0	0	0	0	0	0	6,224	1.0	8	0	49,792
Test Cost (annualized)(1)	0	0	0	0	0	0	0	0	0	500	1.0	4	0	2,000
Analyze data to determine compliance	11	6	1	0	0	1	19	1,603	0	0	1.0	12	228	19,238
Preparing and submitting certification application and fee filing form	14	1	0	0	0	4	19	1,189	0	4	1.0	12	222	14,315
Preparing and submitting "carry over" applications	1	0	0	0	0	2	3	132	0	2	8.3	12	297	13,295
Fee (3)	0	0	0	0	0	0	0	0	0	826	9.3	12	0	91,686
Preparing and supporting running changes	7	5	1	3	0	2	18	1,385	0	6	5.0	6	540	41,729
Store, file and maintain records	3	1	1	0	0	7	12	652	0	5	9.3	12	1,332	72,911
Preparing and submitting annual production report and final AB&T Report	12	2	1	0	0	2	17	1,264	0	2	1.0	12	204	15,196
Total per respondent	109	44	14	67	4	37	275	18,970	0	varies	varies	12	N/A	N/A
Total for the industry	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$328,617	0	\$144,483	varies	12	5,067	\$473,100

(1) See section 6(b)ii for details.

(3) See section 6(b)(ii) for details.

Average Burden= total burden/#respond

(2) See section 6(d) for details.

= 422 hrs per respon

Table 2

Annual Respondent Burden and Cost - Marine SI Production Line Testing Program

	Hours and cost per engine family											Total hours and cost			
	Engineer (\$72.43/hr)	Manager (\$110.29/hr)	Legal (\$114.77/hr)	Clerical (\$29.93/hr)	Test Cell Operator (\$50.63/hr)	Assembler (\$41.01/hr)	Transportation (\$42.86/hr)	Respondent hr/yr	Labor Cost/yr	Capital Startup Cost	O & M Cost(1)	Frequency (2)	Number of Respondent	Total hr/yr	Total Cost/yr
Information Collection Activity															
Review of instructions and regulations	57	5	8	0	0	0	0	70	5,598	0	0	1	12	840	67,177
Training	8	0	0	0	1	0	0	9	630	0	30	1	12	108	7,921
Projecting testing needs and planning test schedules	11	1	0	1	0	0	0	13	937	0	5	1	12	156	11,303
Engine selection and transport	4	0	0	0	1	1	1	7	424	0	1	1	12	84	5,103
Engine inspection	1	0	0	0	6	0	0	7	376	0	0	4	12	336	18,058
Testing (In-house)	8	0	0	0	12	2	0	22	1,269	0	100	16	8	2,816	175,235
Data entry and analysis	8	0	0	1	0	0	0	9	609	0	5	4	8	288	19,660
Other tasks (test equipment calibration, engine repair, etc.)	1	0	0	0	93	0	0	94	4,781	0	5	1	8	752	38,288
Testing (Contract Out)	0	0	0	0	0	0	0	0	0	0	1,500	4	4	0	24,000
Setting up contract	2	1	2	2	0	0	0	7	545	0	20	1	4	28	2,258
Preparing and submitting report	8	1	1	2	0	0	0	12	864	0	5	4	12	576	41,729
Store, file and maintain records	2	0	0	3	0	1	0	6	276	0	2	4	12	288	13,328
Total per manufacturer	110	8	11	9	113	4	1	256	16,310	0	varies	varies	N/A	N/A	N/A
Total for the industry	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$386,212	0	\$37,848	N/A	12	6,272	\$424,060

(1) Includes diskettes, photocopying, postage expenses, phone calls, and testing costs, annualized. See section 6(b)(iii) for details.

(2) 1 = one time tasks; 4 = tasks carried out quarterly; other # = number of engine families. Refer to Section 6(d) for further detail.

Average Burden= total burden/##respond

= 523 hrs per respon

Table 3

Annual Respondent Burden and Cost - Marine SI In-use Testing Program

Information Collection Activity	Hours and cost per application													Total hours and cost			
	Engineer (\$72.43/hr)	Manager (\$110.29/hr)	Legal (\$114.77/hr)	Clerical (\$29.93/hr)	Test Cell Operator (\$50.63/hr)	Mechanic (\$39.31/hr)	Transportation (\$42.86/hr)	Boat Driver (\$39.50)	Respondents hr/yr	Labor Cost/yr	Capital Startup Cost	O & M Cost(1)	Frequency (2)	Number of Respondents	Total hr/yr	Total Cost/yr	
Review of instructions and regulations	7	1	1	0	0	0	0	0	9	\$732	0	\$1	1.0	9	81	\$6,598	
Training	2	0	0	0	1	0	0	0	3	\$195	0	\$30	1.0	9	27	\$2,029	
Plan activities	16	0	0	0	0	0	0	0	16	\$1,159	0	\$30	1.0	9	144	\$10,700	
Procure engines	2	1	0	2	0	0	0	0	5	\$315	0	\$20	1.9	9	85	\$5,695	
Ship Engines	0	0	0	1	0	0	4	0	5	\$201	0	\$150	1.9	9	85	\$5,973	
Engine Maintenance	1	0	0	0	3	33	0	0	37	\$1,522	0	\$200	1.9	9	629	\$29,266	
Testing (In-house)	8	0	0	0	38	1	1	175	223	\$9,498	0	\$100	8.6	7	13,380	\$575,883	
Testing (Contract Out)	0	0	0	0	0	0	0	0	0	\$0	0	1,500	8.0	2	0	24,000	
Data entry and analysis	22	0	0	5	2	0	0	0	29	\$1,844	0	\$1	8.6	2	497	\$31,635	
Preparing and submitting report	18	1	1	1	0	0	0	0	21	\$1,559	0	\$3	1.0	9	189	\$14,056	
Store, file and maintain records	8	0	0	1	0	0	0	1	10	\$649	0	\$1	1.0	9	90	\$5,849	
Total per manufacturer	84	3	2	10	44	34	5	176	358	\$17,674	0	varies	varies	N/A	N/A	N/A	
Total for the industry	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$674,792	0	\$36,892	N/A	9	15,207	\$711,684	

(1) Includes diskettes, photocopying, postage expenses, phone calls, fuel and testing costs, annualized.

See section 6(b)(iii) for details.

Average burden= total burden/#respond

(2) 1 = one time tasks

= 1,690 hrs per respond

1.9 = tasks performed per engine family (3 engine families participate per manufacturer)

8.6 and 8.0 = number of tests performed/engine manufacturer/model year (minimum of 4 tests per engine family participating in any given model year).

Refer to Section 6(d) for further detail.

Table 5
Annual Agency Burden and Cost - Certification Program

Information Collection Activity	Hours and cost per application									Total hours and cost			
	Engineer (\$71.02/hr)	Senior (\$24.38) (2)	Attorney (\$81.56/hr)	Manager (\$84.61/hr)	SES-1 (\$143.08)	Respon. hr/yr	Labor cost/yr	Capital Startup Cost	O & M Cost (1)	Applications /Respondent	Number of Respondents	Total hr/yr	Total cost/yr
Review of regs and standards	6	1	4	3	1	15	\$1,174	0	\$2	1	12	180	\$14,108
Entering data from applications into database	0	0.5	0	0	0	0.5	\$12	0	\$0	9	12	54	\$1,317
Reviewing applications, asking questions	0.5	1	0	0	0	1.5	\$60	0	\$10	9	12	162	\$7,548
Verifying that the correct engines have been tested	0	0.5	0	0	0	0.5	\$12	0	\$0	9	12	54	\$1,317
Answering manufacturers' questions	0.5	0.5	3	2	1	7	\$605	0	\$10	9	12	756	\$66,385
Issuing appropriate certificates	0	0.5	0	0	0	0.5	\$12	0	\$2	9	12	54	\$1,533
Storing data	0	2	0	0	0	2	\$49	0	\$8	1	12	24	\$681
Answering questions from the public	10	5	3	3	1	22	\$1,474	0	\$10	1	12	264	\$17,804
Upgrading and maintaining the database	10	10	0	10	2	32	\$2,086	0	\$5	1	12	384	\$25,095
Handling requests for confidentiality	1	1	2	1	1	6	\$486	0	\$3	1	12	72	\$5,871
Making information available to the public	5	3	0	1	1	10	\$656	0	\$5	1	12	120	\$7,931
Total	33	25	12	20	7	97	\$6,626	0	\$55	N/A	N/A	N/A	N/A
Total for the agency	N/A	N/A	N/A	N/A	N/A	N/A	\$146,817	0	\$2,772	9	12	2,124	\$149,589

(1) Includes photocopying, postage expenses and calls.

Table 6
Annual Agency Burden and Cost - Production Line Testing Program

Information Collection Activity	Hours and cost per engine family							Total hours and cost				
	Engineer (\$71.02/hr)	Attorney (\$81.56/hr)	Manager (\$84.61/hr)	Agency hr/yr	Agency Labor cost/yr	Capital Startup Cost	O & M Cost (1)	Frequency	Engine Families per Repondent	Number of Respondents	Total hr/yr	Total cost/yr
Review regulations	7.0	3.0	1.0	11	\$826	0	\$1	1	1	1	11	\$827
Answer respondent questions	5.0	1.0	2.0	8	\$606	0	\$5	1	1	10	80	\$6,109
Review reports for format and completeness	1.0	0.0	0.0	1	\$71	0	\$0	4	16	10	640	\$45,453
Analyze reports	4.0	0.0	0.0	4	\$284	0	\$0	4	16	10	2,560	\$181,811
Request additional information, if needed	2.0	0.0	1.0	3	\$227	0	\$5	4	1	10	120	\$9,266
Enter data from reports into database and file submittals	1.0	0.0	0.0	1	\$71	0	\$1	4	1	10	40	\$2,881
Maintain/ enhance database	8.0	0.0	1.0	9	\$653	0	\$0	1	1	1	9	\$653
Post data in Internet	3.0	0.0	0.0	3	\$213	0	\$0	1	1	1	3	\$213
Analyze requests for confidentiality	4.0	3.0	1.0	8	\$613	0	\$1	1	1	1	8	\$614
Audit reports and records	5.0	0.0	1.0	6	\$440	0	\$3	1	1	1	6	\$443
Total per participating engine family	40	7	7	54	\$4,004	0	\$16	varies	varies	10	N/A	N/A
Total for the agency	N/A	N/A	N/A	N/A	\$247,975	0	\$295	N/A	16	10	3,477	\$248,270

(1) Includes photocopying, postage expenses and calls.

Table 7
Annual Agency Burden and Cost - In-use Testing Program

Information Collection Activity	Hours and cost per application							Total hours and cost		
	Engineer (\$71.02/hr)	Attorney (\$81.56/hr)	Manager (\$84.61/hr)	Agency hr/yr	Labor cost/yr	Capital Startup Cost	O & M Cost (1)	Number of Respon.	Total hr/yr	Total cost/yr
Review Regulations	10.0	1.0	5.0	16	\$1,215	0	0	1	16	1,215
Select families for testing	5.0	0.0	4.0	9	\$694	0	0	1	9	694
Answer respondent questions	4.0	1.0	1.0	6	\$450	0	7	3	18	1,372
Evaluate testing plans	5.0	0.0	1.0	6	\$440	0	2	6	36	2,650
Enter data from reports into database	1.0	0.0	0.0	1	\$71	0	0	9	9	639
Review submitted reports for format and completeness	1.0	0.0	0.0	1	\$71	0	2	9	9	657
Analyze reports	5.0	0.0	0.0	5	\$355	0	0	9	45	3,196
Request additional information if needed	3.0	0.0	1.0	4	\$298	0	5	9	36	2,724
Analyze requests for confidentiality	3.0	1.0	1.0	5	\$379	0	1	2	10	760
Maintain/ enhance database	5.0	0.0	0.0	5	\$355	0	0	1	5	355
Total	42	3		58	4,327	0	17	9	N/A	N/A
Total for the agency	N/A	N/A		N/A	\$14,164	0	\$98	9	193	\$14,262

(1) Includes photocopying, postage expenses and calls.