

Appendix 1. Time and Cost (Private Sector) Page 1

| Subchapter | K Reg | T Reg | Title | Time burden (hours) | Time burden (minutes) | Frequency | Annual time burden/ vessel (hours) | Number of vessels affected | Total annual time burden (hours) | Unit time cost (\$/hour) | Total time cost |
|----------------------|---------------------|-------------|---|---------------------|-----------------------|-----------------|------------------------------------|----------------------------|----------------------------------|--------------------------|-----------------|
| Recordkeeping | | | | | | | | | | | |
| K | 115.310 | | Certification expiration date stickers | 0.08 | 5 | Every 5 yrs. | 0.02 | All K | 6 | 25 | \$138 |
| K | 116.520 | | Emergency evacuation plan | 0.50 | 30 | One time | 0.50 | New K | 4 | 38 | \$152 |
| K | 116.530 | | Fire control plan | 0.08 | 5 | One time | 0.08 | New K | 1 | 38 | \$25 |
| K | 116.610 (g)(4) | | Ventilation ducts | 0.17 | 10 | One time | 0.17 | New K | 1 | 25 | \$33 |
| K | 122.282 | | Logbook for vessels of >19.8 mtrs (65ft) with overnight accomodation for >49 passengers | 0.02 | 1 | Every trip | 10.95 | Some K | 3,329 | 38 | \$126,494 |
| K | 122.515 | | Passenger safety bill | 0.08 | 5 | One time | 0.08 | New K | 1 | 25 | \$17 |
| K, T | 115.302 | 176.302 | Certificates and Permits | 0.17 | 10 | One time | 0.17 | New K & T | 21 | 25 | \$533 |
| K, T | 115.306 | 176.306 | Stability letter | 0.08 | 5 | One time | 0.08 | New K & T | 11 | 25 | \$267 |
| K, T | 115.710 | 176.710 | Inspection and testing prior to hot work | 0.25 | 15 | As needed | 0.25 | All K & T | 1,372 | 40 | \$54,870 |
| K, T | 115.810 (b) | 176.810 (b) | Fire protection | 1.00 | 60 | Every 5 years | 0.20 | All K & T | 1,097 | 40 | \$43,896 |
| K, T | 120.220 (d) | 183.220 (d) | General safety provisions | 0.50 | 30 | One time | 0.50 | New K & T | 64 | 25 | \$1,600 |
| K, T | 121.420 | 184.420 | Charts and nautical publications | 2.00 | 120 | Annual | 2.00 | All K & T | 10,974 | 38 | \$417,012 |
| K, T | 121.506 | 184.506 | Emergency broadcast placard | 0.08 | 5 | One time | 0.08 | New K & T | 11 | 25 | \$267 |
| K, T | 122.220 | 185.220 | Records of a voyage resulting in a marine casualty | 1 | 60 | As needed | 1 | Some K & T | 706 | 38 | \$26,828 |
| K, T | 122.280 | 185.280 | Official logbook for foreign voyages | 0.08 | 5 | Every voyage | 29.12 | Some K & T | 7,989 | 38 | \$303,585 |
| K, T | 122.340 (c) | 185.340 (c) | Vessels carrying vehicles | 0.33 | 20 | One time | 0.33 | Some New K & T | 2 | 25 | \$53 |
| K, T | 122.402 | 185.402 | Licenses | 0.50 | 30 | Annual | 0.50 | All K & T | 2,744 | 38 | \$104,253 |
| K, T | 122.506 | 185.506 | Passenger safety orientation | 0.03 | 2 | Every trip | * | All K & T | 47,803 | 38 | \$1,816,523 |
| K, T | 122.510 | 185.510 | Emergency instructions | 0.08 | 5 | One time | 0.08 | New K & T | 11 | 25 | \$267 |
| K, T | 122.514 | 185.514 | Station bill | 0.08 | 5 | One time | 0.08 | New K & T | 11 | 25 | \$267 |
| K, T | 122.516 | 185.516 | Life jacket placards | 0.33 | 20 | One time | 0.33 | New K & T | 42 | 25 | \$1,056 |
| K, T | 122.518 | 185.518 | Inflatable survival craft placards | 0.17 | 10 | One time | 0.17 | New K & T | 21 | 25 | \$533 |
| K, T | 122.602 | 185.602 | Hull markings | 1.00 | 60 | One time | 1.00 | New K & T | 128 | 25 | \$3,200 |
| K, T | 122.604 | 185.604 | Lifesaving equipment markings | 2.00 | 120 | One time | 2.00 | New K & T | 256 | 25 | \$6,400 |
| K, T | 122.606 | 185.606 | Escape hatches and emergency exits | 0.17 | 10 | One time | 0.17 | New K & T | 21 | 25 | \$533 |
| K, T | 122.608 | 185.608 | Fuel shutoff valves | 0.25 | 15 | One time | 0.25 | New K & T | 32 | 25 | \$800 |
| K, T | 122.610 | 185.610 | Watertight doors and watertight hatches | 0.17 | 10 | One time | 0.17 | New K & T | 21 | 25 | \$533 |
| K, T | 122.612 | 185.612 | Fire protection equipment | 2.00 | 120 | One time | 2.00 | New K & T | 256 | 25 | \$6,400 |
| K, T | 122.702 | 185.702 | Maintenance | 0.25 | 15 | One time | 0.25 | Some new K & T | 7 | 38 | \$281 |
| K, T | 122.704 (c) | 185.704 (c) | Maintenance of falls | 0.17 | 10 | Every 2.5 years | 0.07 | Some K & T | 11 | 25 | \$279 |
| T | 183.320 (d) and (e) | | Generators and motors | 0.17 | 10 | One time | 0.17 | New T | 20 | 25 | \$500 |
| Reporting | | | | | | | | | | | |
| K, T | 115.105 (a) | 176.105 (a) | How to obtain or renew | 0.50 | 30 | Every 5 yrs. | 0.10 | All K & T | 549 | 38 | \$20,851 |
| K, T | 115.202 | 176.202 | Permit to proceed | 0.25 | 15 | As needed | 0.00 | All K & T | 14 | 38 | \$521 |
| K, T | 115.204 | 176.204 | Permit to carry Excursion Party | 0.25 | 15 | As needed | 0.03 | All K & T | 137 | 38 | \$5,213 |
| K, T | 115.500 (a) | 176.500 (a) | When required | 0.08 | 5 | Every 3 yrs. | 0.03 | All K & T | 146 | 38 | \$5,560 |
| K, T | 115.612 | 176.612 | Notice and plans required | 0.50 | 30 | Every 6 yrs. | 0.08 | All K & T | 457 | 38 | \$17,376 |

Appendix 1. Time and Cost (Private Sector) Page 2

| Subchapter | K Reg | T Reg | Title | Time burden (hours) | Time burden (minutes) | Frequency | Annual time burden/ vessel | Number of vessels affected | Total annual time burden | Unit time cost | Total time cost | |
|------------------------------------|-------------|------------|---|---------------------|-----------------------|-------------------|----------------------------|----------------------------|---------------------------|----------------|-------------------|---------------------|
| K, T | 115.700 | 176.700 | Permission for repairs and alterations | 0.50 | 30 | As needed | 0.50 | All K & T | 2,744 | 38 | \$104,253 | |
| K, T | 115.704 | 176.704 | Breaking of safety valve seals | 0.17 | 10 | As needed | 0.00 | All K & T | 9 | 38 | \$354 | |
| K, T | 115.920 (c) | 176.920(c) | Exemption | 0.50 | 30 | As needed | 0.50 | Some K & T | 2,606 | 38 | \$99,040 | |
| K, T | 115.930 | 176.930 | Equivalents | 0.25 | 15 | As needed | 0.00 | All K & T | 14 | 38 | \$521 | |
| K, T | 116.202 | 177.202 | Plans and information required | 1.00 | 60 | One time | 1.00 | New K & T | 128 | 38 | \$4,864 | |
| K, T | 116.330 | 177.330 | Sailing vessels | 0.33 | 20 | One time | 0.33 | Some new K & T | 0.4 | 38 | \$16 | |
| K, T | 116.340 | 177.340 | Alternate design considerations | 0.33 | 20 | One time | 0.33 | Some new K & T | 4 | 38 | \$161 | |
| K, T | 122.208 | 185.208 | Accidents to machinery | 0.17 | 10 | As needed | 0.09 | All K & T | 466 | 38 | \$17,723 | |
| K, T | 122.230 | 185.230 | Report of an accident to an aid to navigation | 0.17 | 10 | As needed | 0.09 | All K & T | 466 | 38 | \$17,723 | |
| Recordkeeping and Reporting | | | | | | | | | | | | |
| K, T | 122.502 | 185.502 | Crew and passenger list | 0.5 | 30 | All approp. trips | 25.00 | Some K & T | 68,588 | 38 | \$2,606,325 | |
| K, T | 122.503 | 185.503 | Voyage plan | 0.67 | 40 | All approp. trips | 33.50 | Some K & T | 91,907 | 38 | \$3,492,476 | |
| K, T | 122.504 | 185.504 | Passenger count | 0.08 | 5 | All approp. trips | 20.73 | Some K & T | 108,054 | 38 | \$4,106,048 | |
| | | | | | | | | | Total Annual Hours | 353,263 | Total Cost | \$13,416,619 |

* Not all K and T vessels have the same annual burden for this item. Those vessels that regularly operate on foreign voyages have an annual burden equal to 26 trips per year x 1 announcement per trip x 0.03 hours (2 minutes) per announcement = 0.78 hours. Those vessels that do not regularly operate on foreign voyages have an annual per vessel burden of 274 trips per year x 1 announcement per trip x 0.03 (2 minutes) per announcement = 8.22 hours.

Appendix 2. Time and Cost (Government) Page 3

| Subchapter | K Reg | T Reg | Title | Time burden (hours) | Frequency | Annual time burden | Number of vessels affected | Total annual time burden (hours) | Unit time cost (\$/hour) | Total time cost |
|---------------|---------------------|-------------|---|---------------------|-----------------|--------------------|----------------------------|----------------------------------|--------------------------|-----------------|
| Recordkeeping | | | | | | | | | | |
| K | 115.310 | | Certification expiration date stickers | 0.00 | NA | 0.00 | All K | 0 | 24 | \$0 |
| K | 116.520 | | Emergency evacuation plan | 0.50 | One time | 0.50 | New K | 4 | 32 | \$128 |
| K | 116.530 | | Fire control plan | 0.08 | One time | 0.08 | New K | 1 | 32 | \$21 |
| K | 116.610 (g)(4) | | Ventilation ducts | 0.00 | One time | 0.00 | New K | 0 | 24 | \$0 |
| K | 122.282 | | Logbook for vessels of >19.8 mtrs (65ft) with overnight accomodation for >49 passengers | 0.00 | Every trip | 0.00 | Some K | 0 | 32 | \$0 |
| K | 122.515 | | Passenger safety bill | 0.00 | One time | 0.00 | New K | 0 | 24 | \$0 |
| K, T | 115.302 | 176.302 | Certificates and Permits | 0.00 | One time | 0.00 | New K & T | 0 | 24 | \$0 |
| K, T | 115.306 | 176.306 | Stability letter | 0.00 | One time | 0.00 | New K & T | 0 | 24 | \$0 |
| K, T | 115.710 | 176.710 | Inspection and testing prior to hot work | 0.00 | As needed | 0.00 | All K & T | 0 | 46 | \$0 |
| K, T | 115.810 (b) | 176.810 (b) | Fire protection | 0.00 | Every 3 years | 0.00 | All K & T | 0 | 46 | \$0 |
| K, T | 120.220 (d) | 183.220 (d) | General safety provisions | 0.00 | One time | 0.00 | New K & T | 0 | 24 | \$0 |
| K, T | 121.420 | 184.420 | Charts and nautical publications | 0.00 | Annual | 0.00 | All K & T | 0 | 24 | \$0 |
| K, T | 121.506 | 184.506 | Emergency broadcast placard | 0.00 | One time | 0.00 | New K & T | 0 | 24 | \$0 |
| K, T | 122.220 | 185.220 | Records of a voyage resulting in a marine casualty | 0.00 | As needed | 0.00 | Some K & T | 0 | 32 | \$0 |
| K, T | 122.280 | 185.280 | Official logbook for foreign voyages | 0.00 | Every voyage | 0.00 | Some K & T | 0 | 32 | \$0 |
| K, T | 122.340 (c) | 185.340 (c) | Vessels carrying vehicles | 0.00 | One time | 0.00 | Some New K & T | 0 | 24 | \$0 |
| K, T | 122.402 | 185.402 | Licenses | 0.00 | Annual | 0.00 | All K & T | 0 | 32 | \$0 |
| K, T | 122.506 | 185.506 | Passenger safety orientation | 0.00 | Every trip | 0.00 | All K & T | 0 | 32 | \$0 |
| K, T | 122.510 | 185.510 | Emergency instructions | 0.00 | One time | 0.00 | New K & T | 0 | 24 | \$0 |
| K, T | 122.514 | 185.514 | Station bill | 0.00 | One time | 0.00 | New K & T | 0 | 24 | \$0 |
| K, T | 122.518 | 185.518 | Inflatable survival craft placards | 0.00 | One time | 0.00 | New T | 0 | 24 | \$0 |
| K, T | 122.516 | 185.516 | Life jacket placards | 0.00 | One time | 0.00 | New K & T | 0 | 24 | \$0 |
| K, T | 122.602 | 185.602 | Hull markings | 0.00 | One time | 0.00 | New K & T | 0 | 24 | \$0 |
| K, T | 122.604 | 185.604 | Lifesaving equipment markings | 0.00 | One time | 0.00 | New K & T | 0 | 24 | \$0 |
| K, T | 122.606 | 185.606 | Escape hatches and emergency exits | 0.00 | One time | 0.00 | New K & T | 0 | 24 | \$0 |
| K, T | 122.608 | 185.608 | Fuel shutoff valves | 0.00 | One time | 0.00 | New K & T | 0 | 24 | \$0 |
| K, T | 122.610 | 185.610 | Watertight doors and watertight hatches | 0.00 | One time | 0.00 | New K & T | 0 | 24 | \$0 |
| K, T | 122.612 | 185.612 | Fire protection equipment | 0.00 | One time | 0.00 | New K & T | 0 | 24 | \$0 |
| K, T | 122.702 | 185.702 | Maintenance | 0.00 | One time | 0.00 | Some new K & T | 0 | 32 | \$0 |
| K, T | 122.704 (c) | 185.704 (c) | Maintenance of falls | 0.00 | Every 2.5 years | 0.00 | Some K & T | 0 | 24 | \$0 |
| T | 183.320 (d) and (e) | | Generators and motors | 0.00 | One time | 0.00 | New T | 0 | 24 | \$0 |
| Reporting | | | | | | | | | | |
| K, T | 115.105 (a) | 176.105 (a) | How to obtain or renew | 0.17 | Every 3 yrs. | 0.06 | All K & T | 311 | 32 | \$9,950 |
| K, T | 115.202 | 176.202 | Permit to proceed | 0.08 | As needed | 0.00 | All K & T | 4 | 32 | \$140 |
| K, T | 115.204 | 176.204 | Permit to carry Excursion Party | 0.08 | As needed | 0.01 | All K & T | 44 | 32 | \$1,405 |
| K, T | 115.500 (a) | 176.500 (a) | When required | 0.08 | Every 3 yrs. | 0.03 | All K & T | 146 | 32 | \$4,682 |
| K, T | 115.612 | 176.612 | Notice and plans required | 0.50 | As needed | 0.08 | All K & T | 457 | 32 | \$14,632 |
| K, T | 115.700 | 176.700 | Permission for repairs and alterations | 0.17 | As needed | 0.50 | All K & T | 2,744 | 32 | \$87,792 |
| K, T | 115.704 | 176.704 | Breaking of safety valve seals | 0.17 | As needed | 0.00 | All K & T | 9 | 32 | \$298 |
| K, T | 115.920 (c) | 176.920 (c) | Exemption | 0.17 | As needed | 0.17 | Some K & T | 2,606 | 32 | \$83,402 |
| K, T | 115.930 | 176.930 | Equivalents | 0.17 | As needed | 0.00 | All K & T | 9 | 32 | \$298 |
| K, T | 116.202 | 177.202 | Plans and information required | 1.00 | One time | 1.00 | New K & T | 128 | 32 | \$4,096 |

Appendix 2. Time and Cost (Government) Page 4

| Subchapter | K Reg | T Reg | Title | Time burden (hours) | Frequency | Annual time burden | Number of vessels affected | Total annual time burden | Unit time cost | Total time cost |
|-----------------------------|---------|---------|---|---------------------|-------------------|--------------------|----------------------------|--------------------------|-------------------|--------------------|
| K, T | 116.330 | 177.330 | Sailing vessels | 0.33 | One time | 0.33 | Some new K & T | 0 | 32 | \$14 |
| K, T | 116.340 | 177.340 | Alternate design considerations | 0.33 | One time | 0.33 | Some new K & T | 4 | 32 | \$135 |
| K, T | 122.208 | 185.208 | Accidents to machinery | 0.17 | As needed | 0.09 | All K & T | 466 | 32 | \$14,925 |
| K, T | 122.230 | 185.230 | Report of an accident to an aid to navigation | 0.17 | As needed | 0.09 | All K & T | 466 | 32 | \$14,925 |
| Recordkeeping and Reporting | | | | | | | | | | |
| K, T | 122.502 | 185.502 | Crew and passenger list | 0.02 | All approp. trips | 0.83 | Some K & T | 2,286 | 32 | \$73,160 |
| K, T | 122.503 | 185.503 | Voyage plan | 0.02 | All approp. trips | 0.83 | Some K & T | 2,286 | 32 | \$73,160 |
| K, T | 122.504 | 185.504 | Passenger count | 0.02 | All approp. trips | 4.15 | Some K & T | 21,611 | 32 | \$691,545 |
| Total Annual Hours | | | | | | | | 33,585 | Total Cost | \$1,074,709 |

Appendix 3. Assumptions Page 5

| Subchapter | K Reg | T Reg | Title | Assumptions |
|---------------|----------------|-------------|---|---|
| Recordkeeping | | | | |
| K | 115.310 | | Certification expiration date stickers | The application of the stickers takes about 5 minutes (0.08 hrs.) and occurs every 3 years. All K vessels (471) must do this. The work is done by an E1 - 5, outside government. |
| K | 116.520 | | Emergency evacuation plan | Posting the plan is done once, by an O1/2 level individual, and takes 0.5 hrs. It only affects new K vessels (50). |
| K | 116.530 | | Fire control plan | As above |
| K | 116.610 (g)(4) | | Ventilation ducts | Marking ventilation fire dampers is done once only and takes 10 minutes (0.17 hrs). It should only affect new K vessels (50) and is performed by an E-1 - 5. |
| K | 122.282 | | Logbook for vessels of >19.8 mtrs (65ft) with overnight accomodation for >49 passengers | 396 K vessels are >19.8 meters (65 ft). Approximately 2 entries, each taking 1minute (0.02 hrs), are made in the logbook every trip. Affected vessels make 1 trip per day and make trips on 75% of the year (274 days). Logbook is maintained by an O-1/2 |
| K | 122.515 | | Passenger safety bill | Identical assumptions to 116.520 |
| K, T | 115.302 | 176.302 | Certificates and Permits | It takes 10 minutes to post these. Posting is done once and is done by an E- 1- 5. All new T& K vessels (150) must do this. |
| K, T | 115.306 | 176.306 | Stability letter | Posting takes 5 minutes. All other assumptions are as for 115.302 and 176.302, above. |
| K, T | 115.710 | 176.710 | Inspection and testing prior to hot work | The inspection, as well as the preparation of the certificate, takes 15 minutes. The work is performed by an O-3/4 level individual. All K & T vessels need this once per year. |
| K, T | 115.810 (b) | 176.810 (b) | Fire protection | The inspection occurs every 3 years. The inspection and preparation of the certificate require one hour for completion. All other assumptions are as for 115.710 and 176.710. |
| K, T | 120.220 (d) | 183.220 (d) | General safety provisions | Marking all electrical circuits and equipment takes 30 minutes, is performed once by an E-1 - 5, and affects all new K & T vessels (150). |
| K, T | 121.420 | 184.420 | Charts and nautical publications | Assembling all the necessary charts takes 2 hours and is performed annually. All K & T veseels require this and the work is performed by an O-1/2. |
| K, T | 121.506 | 184.506 | Emergency broadcast placard | Posting this takes 5 minutes and is done once by an E-1 - 5, for all new K and T vessels per year. |
| K, T | 122.220 | 185.220 | Records of a voyage resulting in a marine casualty | Data from MSMS show 181 and 525 marine casualties in 1998 for K & T vessels respectively. Maintaining and assembling records takes 1 hour per casualty. The work is done by an O-1/2. |
| K, T | 122.280 | 185.280 | Official logbook for foreign voyages | Only 5% of K & T vessels (338) regularly make foreign voyages. Approximately 2 entries, each taking 5 minutes (0.08 hrs), are made in the logbook every day on a voyage. Voyages are 7 days long and are undertaken 26 times per year. Logbook is maintained by an O-1/2. |
| K, T | 122.340(c) | 185.340(c) | Vessels carrying vehicles | Assume 5% of new K&T carry vehicles. It takes 20 minutes for each one to post all the "No Smoking" signs. The work is done by an E-1 - 5. |
| K, T | 122.402 | 185.402 | Licenses | It takes 30 minutes to assemble licenses. The work is done by an O-1/2. All T& K vessels must do this once annually. |
| K, T | 122.506 | 185.506 | Passenger safety orientation | is 1 trip made per day for 274 days of the year (non foreign voyages - 80% of pop'n). Vessels that regularly operate on foreign voyages make weekly trips for 26 weeks of the year. The announcement takes 2 minutes. |
| K, T | 122.510 | 185.510 | Emergency instructions | Mounting the instructions takes 5 minutes, is done once by all new K & T vessels and the work is done by an E-1 - 5. |
| K, T | 122.514 | 185.514 | Station bill | As for 122.510 and 185.510 above. |

Appendix 3. Assumptions Page 6

| Subchapter | K Reg | T Reg | Title | Assumptions |
|------------|---------------------|-------------|---|--|
| K, T | 122.516 | 185.516 | Life jacket placards | Posting life jacket placards takes 20 minutes. All other assumptions are as for 122.510 and 185.510 above. |
| K, T | 122.518 | 185.518 | Inflatable survival craft placards | Posting the placards takes 10 minutes. "X" have inflatable survival craft. All other assumptions are as for 122.510 and 185.510 above. |
| 3 | 122.602 | 185.602 | Hull markings | Making all the necessary hull markings takes 1 hour, is done once by an E-1 - 5 for all new K & T vessels. |
| K, T | 122.604 | 185.604 | Lifesaving equipment markings | Complying with all the requirements here takes 2 hours. All other assumptions are as for 122.602 and 185.602. |
| K, T | 122.606 | 185.606 | Escape hatches and emergency exits | Marking emergency exits and escape hatches takes 10 minutes. All other assumptions are as for 122.602 and 185.602. |
| K, T | 122.608 | 185.608 | Fuel shutoff valves | Marking fuel shutoff valves takes 15 minutes. All other assumptions are as for 122.602 and 185.602. |
| K, T | 122.610 | 185.610 | Watertight doors and watertight hatches | Marking watertight doors and hatches takes 10 minutes. All other assumptions are as for 122.602 and 185.602. |
| K, T | 122.612 | 185.612 | Fire protection equipment | Marking all fire protection equipment takes 2 hrs. All other assumptions are as for 122.602 and 185.602. |
| K, T | 122.702 | 185.702 | Maintenance | (survival craft). 343 and 985 existing K & T vessels have said equipment. Assume the same proportion of new vessels have survival craft. The work is done by an O-1/2. |
| K, T | 122.704 (c) | 185.704(c) | Maintenance of falls | The information collection required - marking the falls- takes 5 minutes and must be performed every 2.5 years. The recordkeeping is done by an E-1 - 5 for all K & T vessels. |
| T | 183.320 (d) and (e) | | Generators and motors | Attaching the nameplates to generators and motors takes 10 minutes per vessel. It is performed by an E-1 - 5 for all new T vessels and is done once per vessel. The report is made by an O-1/2. |
| Reporting | | | | |
| K, T | 115.105 (a) | 176.105 (a) | How to obtain or renew | This takes 30 minutes, occurs every 3 yrs., is required for all K and T vessels and is performed by an O-1/2. |
| K, T | 115.202 | 176.202 | Permit to proceed | This takes 15 minutes. All K & T vessels do this once every other year. The application is filled out and submitted by an O-1/2. |
| K, T | 115.204 | 176.204 | Permit to carry Excursion Party | Assumptions identical to those of 115.202 and 176.202. |
| K, T | 115.500 (a) | 176.500 (a) | When required | This takes a 5 minute phone call every 3 years. All K & T vessels are required to do this. The call is made by an O-1/2. |
| K, T | 115.612 | 176.612 | Notice and plans required | All K&T vessels have to be drydocked for safety related repairs or load line examination approximately once every 6 years. The notice and plans are prepared and submitted by an O-1/2. |
| K, T | 115.700 | 176.700 | Permission for repairs and alterations | Submitting drawings etc. for alterations and repairs takes 30 minutes and occurs once every other year for all K and T vessels. The submission is performed by an O-1/2. Preparation and submission of plans takes 30 minutes. |
| K, T | 115.704 | 176.704 | Breaking of safety valve seals | Reporting takes 10 minutes and is necessary once every 10 years for all K & T vessels. The reporting is done by an O-1/2. |
| K, T | 115.920 (c) | 176.920(c) | Exemption | per year and have to apply for exemption. The time requirement is 30 minutes and performed by an O-1/2. |
| K, T | 115.930 | 176.930 | Equivalentents | Submitting the request for approval takes 15 minutes. All K & T vessels do this once per year. The submission is done by an O-1/2. |

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| Subchapter | K Reg | T Reg | Title | Assumptions |
|-----------------------------|---------|---------|---|--|
| K, T | 116.202 | 177.202 | Plans and information required | Submitting all the necessary information takes 1 hour. All K & T vessels do this once. The individual who does this is an O-1/2. |
| K, T | 116.330 | 177.330 | Sailing vessels | Submitting the required documents takes 20 minutes and is required of all new K & T that are sailing vessels (1% =1.5). The submission occurs once and is performed by an O-1/2. |
| K, T | 116.340 | 177.340 | Alternate design considerations | Submission of the alternate design request takes 20 minutes, occurs once and 10% of all new K & T vessels will submit requests. The submission is done by an O-1/2. |
| K, T | 122.208 | 185.208 | Accidents to machinery | The report takes 10 minutes to prepare and submit. All K& T vessels do this once every other year. The submission is performed by an O-1/2. |
| K, T | 122.230 | 185.230 | Report of an accident to an aid to navigation | Assumptions identical to those of 122.208 and 185.208. |
| Recordkeeping and Reporting | | | | |
| K, T | 122.502 | 185.502 | Crew and passenger list | certain criteria. Assume 50% of all K & T vessels need to do this 50 times per year. Submission is by an O-1/2. |
| K, T | 122.503 | 185.503 | Voyage plan | Preparing and submitting the list takes 40 minutes. All other assumptions are as for 122.502 and 185.502 above. |
| K, T | 122.504 | 185.504 | Passenger count | certain criteria. Assume 50% of all K & T vessels need to do this 274 times per year. Submission is by an O-1/2. |

* Based on Assumptions made in Appendix 3 there are Approximately 25,835 responses Reported Annually as a Result of this Regulation.

| Reporting | K Reg | T Reg | Title | Responses |
|-----------|--------------|-------------|---|-----------|
| K, T | 115.105 (a) | 176.105 (a) | How to obtain or renew | 1888 |
| K, T | 115.202 | 176.202 | Permit to proceed | 2831 |
| K, T | 115.204 | 176.204 | Permit to carry Excursion Party | 2831 |
| K, T | 115.500 (a) | 176.500 (a) | When required | 1888 |
| K, T | 115.612 | 176.612 | Notice and plans required | 943 |
| K, T | 115.700 | 176.700 | Permission for repairs and alterations | 2831 |
| K, T | 115.704 | 176.704 | Breaking of safety valve seals | 566 |
| K, T | 115.920 (c) | 176.920(c) | Exemption | 566 |
| K, T | 115.930 | 176.930 | Equivalentents | 5663 |
| K, T | 116.202 | 177.202 | Plans and information required | 150 |
| K, T | 116.330 | 177.330 | Sailing vessels | 1.5 |
| K, T | 116.340 | 177.340 | Alternate design considerations | 15 |
| K, T | 122.208 | 185.208 | Accidents to machinery | 2831 |
| K, T | 122.230 | 185.230 | Report of an accident to an aid to navigation | 2831 |

Appendix 4. Database Page 8

Data used in calculations

Population

| | |
|--|------|
| Total population of K vessels | 331 |
| Total population of T boats | 5156 |
| Annual new entrants: K vessels | 8 |
| Annual new entrants: T boats | 120 |
| Number of T boats > 19.8 meters (65 ft.) | 1126 |
| Number of K vessels > 19.8 meters (65 ft.) | 304 |
| Percentage of K vessels that regularly operate on foreign voyages | 0.05 |
| Number of K vessels that regularly operate on foreign voyages | 17 |
| Percentage of T boats that regularly operate on foreign voyages | 0.05 |
| Number of T boats that regularly operate on foreign voyages | 258 |
| Percentage of new K vessels that carry vehicles | 0.05 |
| Number of new K vessels that carry vehicles | 0 |
| Percentage of new T boats that carry vehicles | 0.05 |
| Number of new T boats that carry vehicles | 6 |
| Percentage of new K vessels that are sailing vessels | 0.01 |
| Number of new K vessels that are sailing vessels | 0 |
| Percentage of new T boats that are sailing vessels | 0.01 |
| Number of new T boats that are sailing vessels | 1 |
| Percentage of K vessels that do not regularly operate on foreign voyages | 0.95 |
| Percentage of these that make at least 1 foreign voyage per year | 0.5 |
| Number of K vessels that make at least one foreign voyage per year but do not regularly operate on foreign voyages | 157 |
| Percentage of T boats that do not regularly operate on foreign voyages | 0.95 |
| Percentage of these that make at least 1 foreign voyage per year | 0.5 |
| Number of T boats that make at least one foreign voyage per year but do not regularly operate on foreign voyages | 2449 |
| Percentage of new K vessels that apply for alternate design considerations | 0.1 |
| Number of new K vessels that apply for alternate design | 1 |
| Percentage of new T boats that apply for alternate design | 0.1 |
| Number of new T boats that apply for alternate design considerations | 12 |
| Percentage of K vessels that make trips as outlined in 122.502 and 185.502 | 0.5 |
| Number of K vessels that make trips as outlined in 122.502 and 185.502 | 166 |
| Percentage of T boats that make trips as outlined in 122.502 and 185.502 | 0.5 |
| Number of T boats that make trips as outlined in 122.502 and 185.502 | 2578 |
| Percentage of K vessels that have falls | 0.35 |
| Number of K vessels that have falls | 116 |
| Percentage of T boats that have falls | 0.01 |
| Number of T boats that have falls | 52 |
| Number of existing K vessels that have primary lifesaving equipment | 232 |
| Percentage of new K vessels that have primary lifesaving equipment | 0.70 |
| Number of new K vessels that have primary lifesaving equipment | 6 |
| Number of existing T boats that have primary lifesaving equipment | 1031 |
| Percentage of new T boats that have primary lifesaving equipment | 0.20 |
| Number of new T boats that have primary lifesaving equipment | 24 |

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Frequency

| | |
|--|--------|
| Number of passenger safety orientation announcements per trip | 1 |
| Number of non foreign trips per day for K & T vessels | 1 |
| Percentage of year operated by K & T vessels | 0.75 |
| Number of non foreign trips per year for K & T vessels | 273.75 |
| Number of logbook entries per non foreign trip | 2 |
| Number of foreign trips per year for K & T vessels | 26 |
| Number of logbook entries per day per foreign trip | 2 |
| Number of days per foreign trip | 7 |
| Number of times hotwork performed annually | 1 |
| Number of annual requests per vessel for permit to proceed | 0.01 |
| Number of annual requests per vessel for Excursion permit | 0.1 |
| Annual number of applications for permission for repairs and alterations | 0.5 |
| Annual occurrences of breaking of safety valve seals | 0.01 |
| Annual applications per vessel for equivalencies | 0.01 |
| Annual occurrences of reportable accidents to machinery | 0.5 |
| Annual occurrences of reportable accidents to aids to navigation | 0.5 |
| Number of annual trips taken per vessel that meet the criteria specified in 122.502 and 185.502 | 50 |
| Number of falls per vessel | 1 |
| Annual number of foreign voyages undertaken by K & T vessels that ordinarily do not make foreign voyages | 1 |
| Annual occurrence of drydocking for safety related repairs or load line examinations | 0.17 |
| Annual number of marine casualties involving K vessels (1998) | 181 |
| Annual number of marine casualties involving T boats (1998) | 525 |

Private Sector

| | Burden | Cost |
|-----------------------------|----------------|---------------------|
| Recordkeeping | 76,973 | \$2,917,595 |
| Reporting | 7,741 | \$294,176 |
| Recordkeeping and Reporting | 268,549 | \$10,204,848 |
| Totals | 353,263 | \$13,416,619 |

Government

| | Burden | Cost |
|-----------------------------|---------------|--------------------|
| Recordkeeping | 5 | \$149 |
| Reporting | 7,397 | \$236,694 |
| Recordkeeping and Reporting | 26,183 | \$837,865 |
| Totals* | 33,585 | \$1,074,709 |

* Numbers may not sum due to rounding.