

**Example 3: How Software Risk Master (SRM) Evaluates National Work Hours**

**Java Language for all 3 Cases**  
**1000 function points for all 3 Cases**  
**\$10,000 per month for all 3 Cases**  
**Iterative development for all 3 Cases**  
**Average local work hours per month for all 3 Cases**  
**2017 is the 30th anniversary of IFPUG function point metrics**

	<b>Netherlands</b>	<b>United States</b>	<b>Japan</b>	
<b>National monthly</b>	<b>115 hours</b>	<b>132 hours</b>	<b>157 hours</b>	<b>National work hours vary widely</b>
<b>Team experience l</b>	<b>Average</b>	<b>Average</b>	<b>Average</b>	
<b>Application compl</b>	<b>Average</b>	<b>Average</b>	<b>Average</b>	
<b>Unpaid overtime l</b>	<b>0.00</b>	<b>0.00</b>	<b>6.00</b>	<b>Unpaid overtime varies widely</b>
<b>Software team size</b>	<b>6.50</b>	<b>6.50</b>	<b>6.50</b>	<b>Team size based on function point totals</b>
<b>Software schedule</b>	<b>15.11</b>	<b>13.45</b>	<b>12.04</b>	<b>Schedules reflect monthly work hours</b>
<b>Software effort mc</b>	<b>100</b>	<b>87</b>	<b>74</b>	<b>Effort reflects monthly work hours</b>

<b>Software effort ho</b>	<b>11,500</b>	<b>11,500</b>	<b>11,500</b>	<b>Hours worked stay constant</b>
<b>Software developr</b>	<b>\$1,000,000</b>	<b>\$870,000</b>	<b>\$740,000</b>	<b>Costs reflect monthly work hours</b>
<b>Software \$ per FP</b>	<b>\$1,000.00</b>	<b>\$870.00</b>	<b>\$740.00</b>	<b>Costs per FP reflect monthly work hours</b>
<b>Work hours per F</b>	<b>11.50</b>	<b>11.50</b>	<b>11.50</b>	<b>Work hours per FP do not reflect local work hours</b>
<b>Function points pe</b>	<b>10.00</b>	<b>11.52</b>	<b>13.58</b>	<b>Function points per month reflect local work hours</b>
<b>LOC per month</b>	<b>533.33</b>	<b>612.17</b>	<b>720.72</b>	<b>LOC per month reflect local work hours</b>

**END OF EXAMPLE**

**Organization for International Cooperation and Development (OECD) publishes National Work hour Data**

<b>Countries</b>	<b>OECD National Work hours per year</b>	<b>OECD National Work hours per month</b>	<b>Namcook Software Work hours per month</b>	<b>Namcook Software Unpaid overtime per month</b>	<b>Namcook Software Total hours per month</b>
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1	India	2,280.00	190	190.00	12.00	202.00
2	Taiwan	2,112.00	188	188.00	10.00	198.00
3	Mexico	2,226.00	186	185.50	12.00	197.50
4	China	2,232.00	186	186.00	8.00	194.00
5	Peru	2,208.00	184	184.00	6.00	190.00
6	Colombia	2,112.00	176	176.00	6.00	182.00
7	Pakistan	2,112.00	176	176.00	6.00	182.00
8	Hong Kong	2,280.00	190	168.15	12.00	180.15
9	Thailand	2,016.00	168	168.00	8.00	176.00
10	Malaysia	2,304.00	192	169.92	6.00	175.92
11	Greece	2,034.00	170	169.50	6.00	175.50
12	South Africa	2,016.00	168	168.00	6.00	174.00
13	Israel	1,910.00	159	159.17	8.00	167.17
14	Viet Nam	1,920.00	160	160.00	6.00	166.00
15	Phillipines	1,920.00	160	160.00	4.00	164.00
16	Singapore	2,112.00	176	155.76	8.00	163.76
17	Hungary	1,956.00	163	163.00	6.00	163.00
18	Poland	1,929.00	161	160.75	2.00	162.75
19	Turkey	1,877.00	156	156.42	4.00	160.42
20	Brazil	2,112.00	176	155.76	4.00	159.76
21	Panama	2,112.00	176	155.76	4.00	159.76
22	Chile	2,029.00	169	149.64	8.00	157.64
23	Estonia	1,889.00	157	157.42	0.00	157.42
24	Japan	1,745.00	145	145.42	12.00	157.42
25	Switzerland	2,016.00	168	148.68	8.00	156.68
26	Czech Republic	1,800.00	150	150.00	0.00	150.00
27	Russia	1,973.00	164	145.51	4.00	149.51
28	Argentina	2,016.00	168	148.68	0.00	148.68
29	Korea - South	1,656.00	138	138.00	6.00	144.00
30	<b>United States</b>	<b>1,790.00</b>	<b>149</b>	<b>132.00</b>	<b>6.00</b>	<b>138.00</b>
31	Saudi Arabia	1,920.00	160	141.60	0.00	141.60
32	Portugal	1,691.00	141	140.92	0.00	140.92

33	United Kingdom	1,654.00	138	137.83	2.00	139.83
34	Finland	1,672.00	139	139.33	0.00	139.33
35	Ukraine	1,872.00	156	138.06	0.00	138.06
36	Venezuela	1,824.00	152	134.52	2.00	136.52
37	Austria	1,609.00	134	134.08	0.00	134.08
38	Luxembourg	1,609.00	134	134.08	0.00	134.08
39	Italy	1,752.00	146	129.21	2.00	131.21
40	Belgium	1,574.00	131	131.17	0.00	131.17
41	New Zealand	1,739.00	145	128.25	2.00	130.25
42	Denmark	1,546.00	129	128.83	0.00	128.83
43	Canada	1,710.00	143	126.11	2.00	128.11
44	Australia	1,728.00	144	127.44	0.00	127.44
45	Ireland	1,529.00	127	127.42	0.00	127.42
46	Spain	1,686.00	141	124.34	2.00	126.34
47	France	1,479.00	123	123.25	0.00	123.25
48	Iceland	1,706.00	142	120.00	0.00	120.00
49	Sweden	1,621.00	135	119.55	0.00	119.55
50	Norway	1,420.00	118	118.33	0.00	118.33
51	Germany	1,397.00	116	116.42	0.00	116.42
52	Netherlands	1,381.00	115	115.08	0.00	115.08
	<b>Average</b>	<b>1,861.79</b>	<b>155</b>	<b>148.21</b>	<b>3.85</b>	<b>151.94</b>