

**Example 9: How Software Risk Master (SRM) Evaluates Software Teams and Occupations**

**Java Language for all 4 Cases**

**100, 1000, 10,000, 100,000 function point samples**

**\$10,000 per month for all 4 Cases**

**Iterative development for all 4 Cases**

**132 effective work hours per month for all 4 Cases**

**SRM automatic sizing predicts size in < 2 minute**

**2017 is the 30th anniversary of IFPUG function point metrics**

		100	1000	10,000	100,000	Occupations, personnel grow with app size
		Function Points	Function Points	Function Points	Function Points	
	Team Occupation Groups	Personal app	Department app	Corporate app	Global app	
1	Programmers	2	7	47	327	#1 occupation
2	Testers	2	6	42	289	#2 occupation
3	Designers	1	2	20	180	
4	Business analysts	1	2	20	180	
5	Technical writers	0	1	8	68	
6	Quality assurance	0	1	7	58	
		Function Points	Function Points	Function Points	Function Points	

	<b>Team Occupation Groups</b>	<b>Personal app</b>	<b>Department app</b>	<b>Corporate app</b>	<b>Global app</b>	
7	1st line managers	1	2	8	49	<b>Usually 8 employees per manager</b>
8	Data base administration	0	1	4	29	
9	Project Office staff	0	0	3	25	
10	Administrative support	0	1	4	29	
11	Configuration control	0	0	2	16	
12	Project librarians	0	0	2	13	
13	2nd line managers	0	0	2	10	
14	Estimating specialists	0	0	1	10	
15	Architects	0	0	1	7	
16	Security specialists	0	0	1	4	
17	Performance specialists	0	0	1	4	
18	Function point counters	0	0	1	4	<b>Function point counters often consultants</b>
19	Human factors specialists	0	0	1	4	
20	3rd line managers	0	0	0	2	
	<b>Occupation Groups</b>	<b>5.00</b>	<b>9.00</b>	<b>24.00</b>	<b>25.00</b>	<b>AT&amp;T study found 129 total software occupations</b>
	<b>Personnel</b>	<b>7.00</b>	<b>25.00</b>	<b>172.00</b>	<b>1,307.00</b>	
	<b>Function points per team member</b>	<b>14.29</b>	<b>40.00</b>	<b>58.14</b>	<b>76.51</b>	