

ISBSG Maintenance and Support Repository Application Benchmark Report

ISBSG ID: 00002
As At: 28-Feb-07

Your Submitter ID: Example application

ISBSG ID: 00002

Your Contact Person: Un-named

Submission Date: 25-Feb-07

This Application Benchmark Report intends to provide the following information:

- * Provide you with the ISBSG ID assigned to this maintenance and support submission.
- * Confirm the data recorded about your submission is accurate.
- * Provide a benchmark of this application against similar ones in the ISBSG M and S repository.
- * Provide your organisation with data to assist future planning.

Productivity Benchmarking (Maintenance)

This section of the report compares the productivity of your total maintenance for this application to those in the ISBSG repository, using functional sizing (FSM). The calculation of your productivity is:

Your maintenance effort:	2579 hours *	Scaling factor:	1.717
Your application size was:	3911 function points	Count approach:	IFPUG
Your productivity was:	2.2 *	Benchmark year:	2005

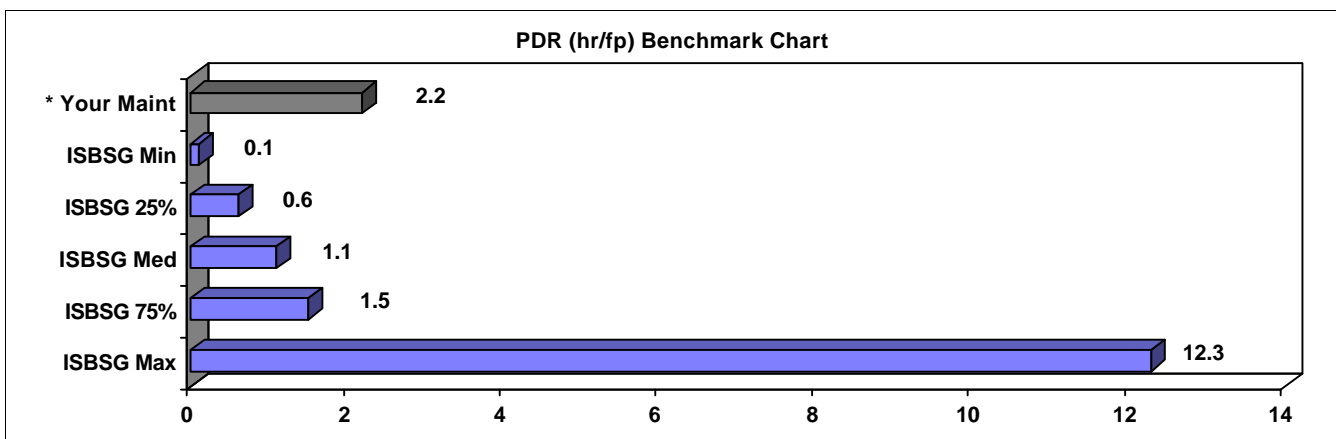
Your productivity above is expressed in units of 1000FP per FTE staff

Where the period of benchmark of the data submitted is not a period of 12 months, a scaling factor, derived from your period of benchmark, has been applied to effort values to enable comparison to the repository.

Using your submitted data, the table below shows how your application's productivity compares to the distribution of productivity in the repository. Although factors influencing productivity may be identified in the future, the table presents only productivity values for all valid entries in the repository at present regardless of any influencing factors. Valid entries are those rated 'A' or 'B' with functional sizing.

Influencing Factor	N	P10%	P25%	Med	P75%	P90%
Platform						
Use all valid projects	42	0.2	0.6	1.1	1.5	*2.2 2.3
Maximum Team Size						
3-4	42	0.2	0.6	1.1	1.5	*2.2 2.3

The graph below shows how the maintenance productivity of your application compares to applications with functional sizing in the ISBSG Maintenance and Support repository.



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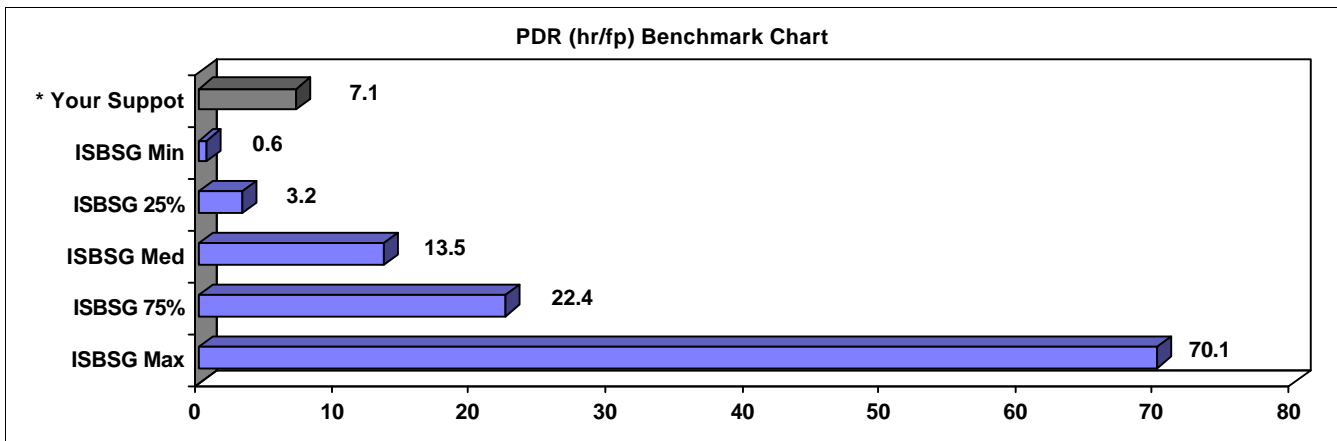
Productivity Benchmarking (Support)

This section of the report compares the productivity of your total support for this application to those in the ISBSG repository, using functional sizing (FSM). The calculation of your productivity is:

Your support effort:	259 hours *	Scaling factor:	1.717
Your application size was:	3911 function points	Count approach:	IFPUG
Your productivity was:	7.1 *	Benchmark year:	2005

Your productivity above is expressed in units of 1000FP per FTE staff

Influencing Factor	N	P10%	P25%	Med	P75%	P90%
Platform						
Use all valid projects	12	2.7	3.2	*7.1	13.5	22.4
Maximum Team Size						
3-4	12	2.7	3.2	*7.1	13.5	22.4



Quality Benchmarking

If defect counts were available in the submitted data, this table shows how your application's defect density (defects per 1000 function points) in the benchmark period compares to applications in the ISBSG repository.

Defect Type	Your Project	ISBSG Min.	Mean	Max.
Extreme defects	*0/1000 fp	0	11	1038
Major defects	*2/1000 fp	0	38	4237
Minor defects	*4/1000 fp	0	32	1464
Total defects	*6/1000 fp	0	54	4237

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For definitions of the terms used in this report refer to Glossary of Terms which can be downloaded from the Downloads page of the ISBSG web site (<http://www.isbsg.org>) - Select "Downloads" from the vertical menu on the home-page.

Normalisation and the Comparison Data-set

In order to make meaningful productivity comparisons, the effort data from the ISBSG maintenance and support repository has been normalised to represent a 12 month benchmark period for all entries. The effort for your submission is shown both as reported and normalised to a 12 month period. It is this normalised effort that has been used to compute the productivities. Your application productivity is therefore compared with similar productivity statistics from the repository. Values affected by this normalisation process are marked with * in this report.

Your submission is numbered:	4	Your maintenance effort:	1927	hours
of a set of submissions, totalling:	5 applications	Normalised maintenance effort:	2579 *	hours
the set has been given set number:	15	Your support effort:	160	hours
Benchmark period - start:	1/01/05	Normalised support effort:	259 *	hours
Benchmark period - end:	1/09/05			
Industry Sector:	Financial			

Data Assessment

In assessing the data submitted, this data has been given an overall rating with a supporting comment.

Rating A is assigned to submissions with comprehensive and coherent data.

Rating B applies to submissions with all the core data, but there is either something missing that assists validation of core data, or there is some aspect that could affect the credibility of the data.

Rating C applies to submissions where significant data has not been provided, and it has not therefore been possible to assess the integrity of the data.

Rating D applies to submissions where the core data has little credibility, due to either a lack of verification data or one or more aspects that destroy the credibility of the data.

Rating: A Complete data-set. Portfolio size & application size given in Function Points. Data elements for calculating application productivity are present.