



Carnegie Mellon University  
Software Engineering Institute

# Process Maturity Profile

## CMMI<sup>®</sup> v1.1 SCAMPI<sup>SM</sup> v1.1 Class A Appraisal Results 2004 Year End Update

March 2005

We could not produce this report without the support of the organizations and lead appraisers who reported their appraisal results to the SEI<sup>SM</sup>.

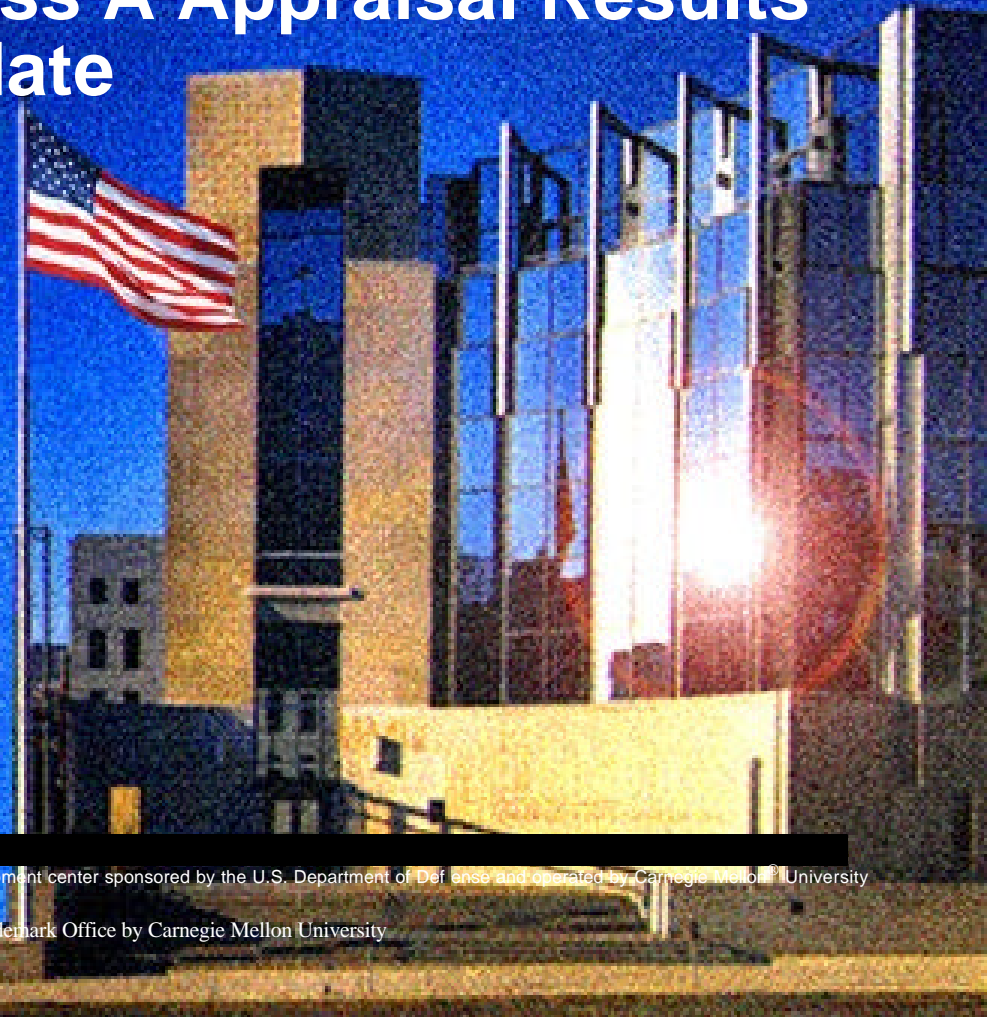
Our many thanks for their continuing cooperation with our data collection and analysis efforts.

CMMI Appraisal Program

The Software Engineering Institute is a federally funded research and development center sponsored by the U.S. Department of Defense and operated by Carnegie Mellon University.

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# Outline

## Introduction

## Current Status

## Summary

## Terms used in this Briefing

## How to Report your Appraisal Results to the SEI

This briefing is based solely on the number of appraisals reported to the SEI. It cannot be used as a source for an exact indicator of all organizations in the world using SEI models or appraisal methods nor can it be used for certification or verification purposes.

The SEI does not certify appraisal results or organizations. The SEI licenses SEI Partners, authorizes lead appraisers and authorizes approved team leaders to conduct appraisals. Neither the SEI nor any other organization is a “certifying authority” of the results from a SCAMPI appraisal. Therefore requests to the SEI to provide information to be used for this purpose can not be fulfilled. Information provided by the SEI, such as this briefing, is to demonstrate reported results of the use of its products and services only.

Organizations performing source selection or verification should consider performing an evaluation appraisal. For more information on appraisal methods and for a directory of authorized lead appraisers who can perform them, visit:  
<http://www.sei.cmu.edu/managing/app.directory.html>



# Introduction: Purpose

**Characterize the adoption of CMMI®**

**Describe results from Standard CMMI Appraisal Method for Process Improvement (SCAMPI<sup>SM</sup>), v1.1 Class A appraisals using Capability Maturity Model Integration® (CMMI) v1.1 \***

**Encourage continued reporting of results**

\* Organizations previously appraised against CMMI v1.0 and which have not reappraised against v 1.1 are not included in this report

Please visit: [http://www.sei.cmu.edu/sema/profile\\_about.html](http://www.sei.cmu.edu/sema/profile_about.html) for additional information or questions you may have about this briefing before contacting the SEI directly



## Section 1. Current Status

**SCAMPI v1.1 Class A appraisals conducted from its April 2002 release through December 2004 and reported to the SEI by January 2005**

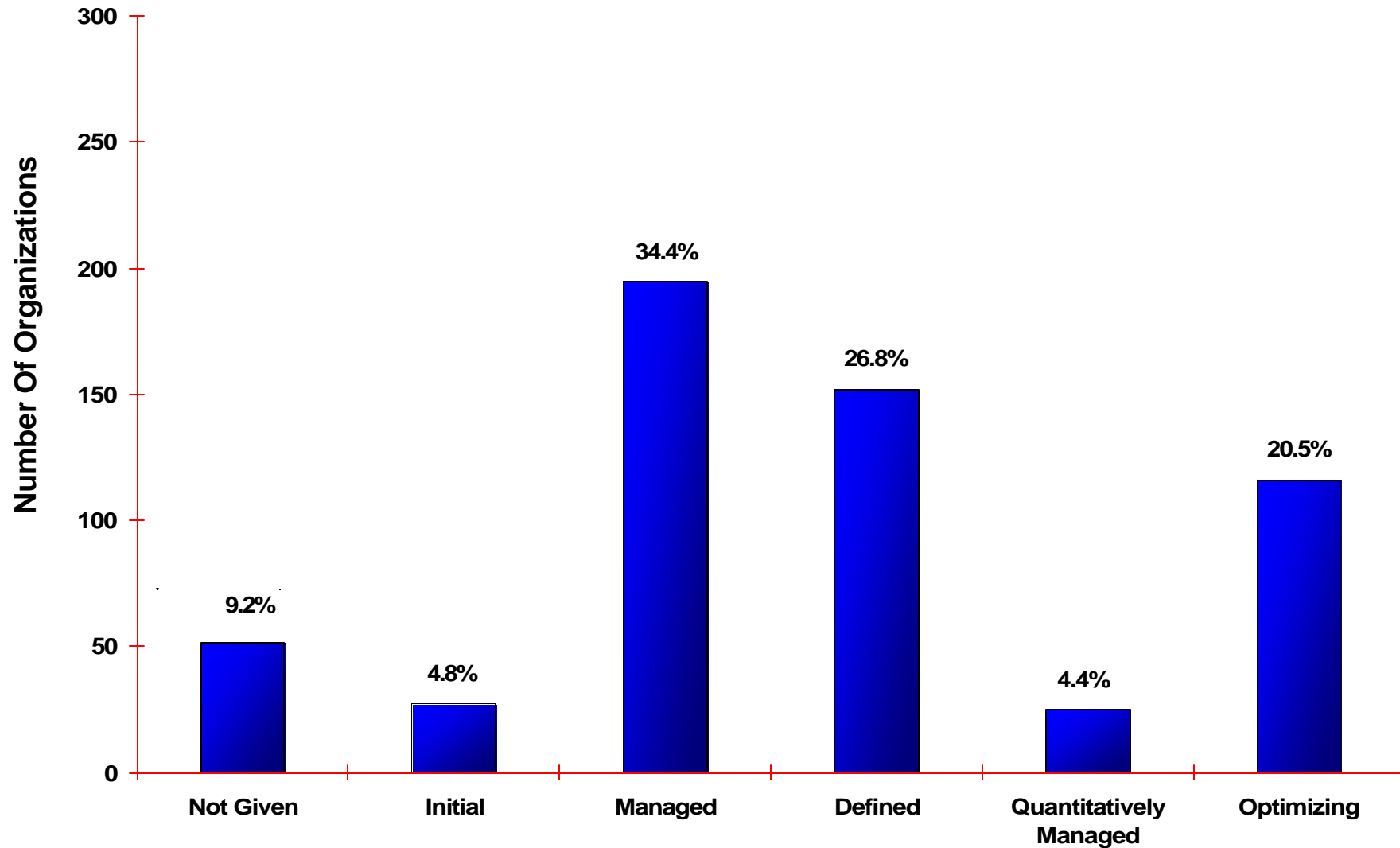
- **630 appraisals**
- **567 organizations**
- **298 participating companies**
- **56 reappraised organizations**
- **2,339 projects**
- **56.1% Non-USA organizations**

**Please refer to: Terms Used in this Report on page 19**

Additional charts providing different views and break down of this information will be added to this briefing as more appraisal data is reported to the SEI over time.



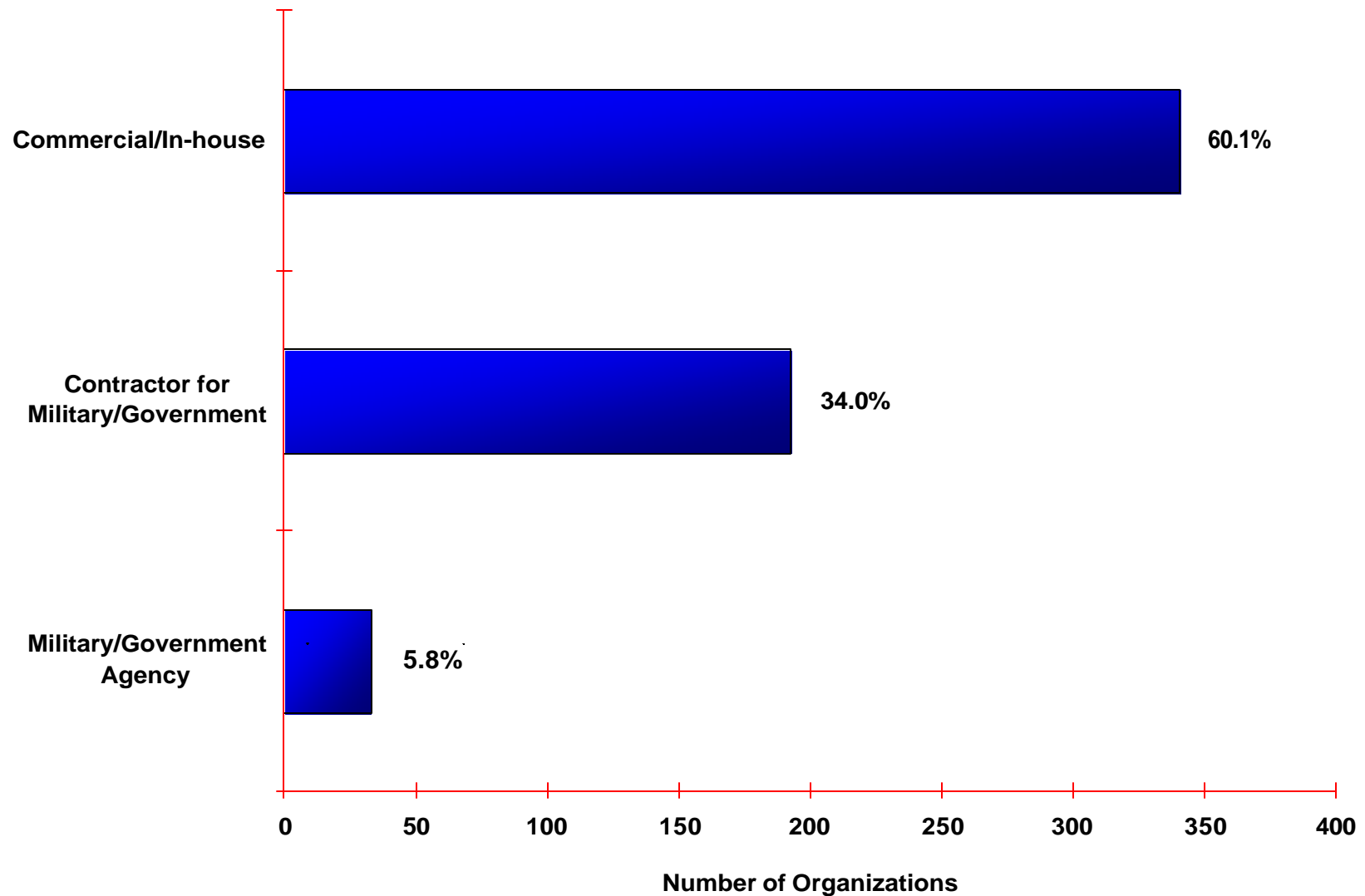
# Maturity Profile by All Reporting Organizations



Based on most recent appraisal of **567** organizations



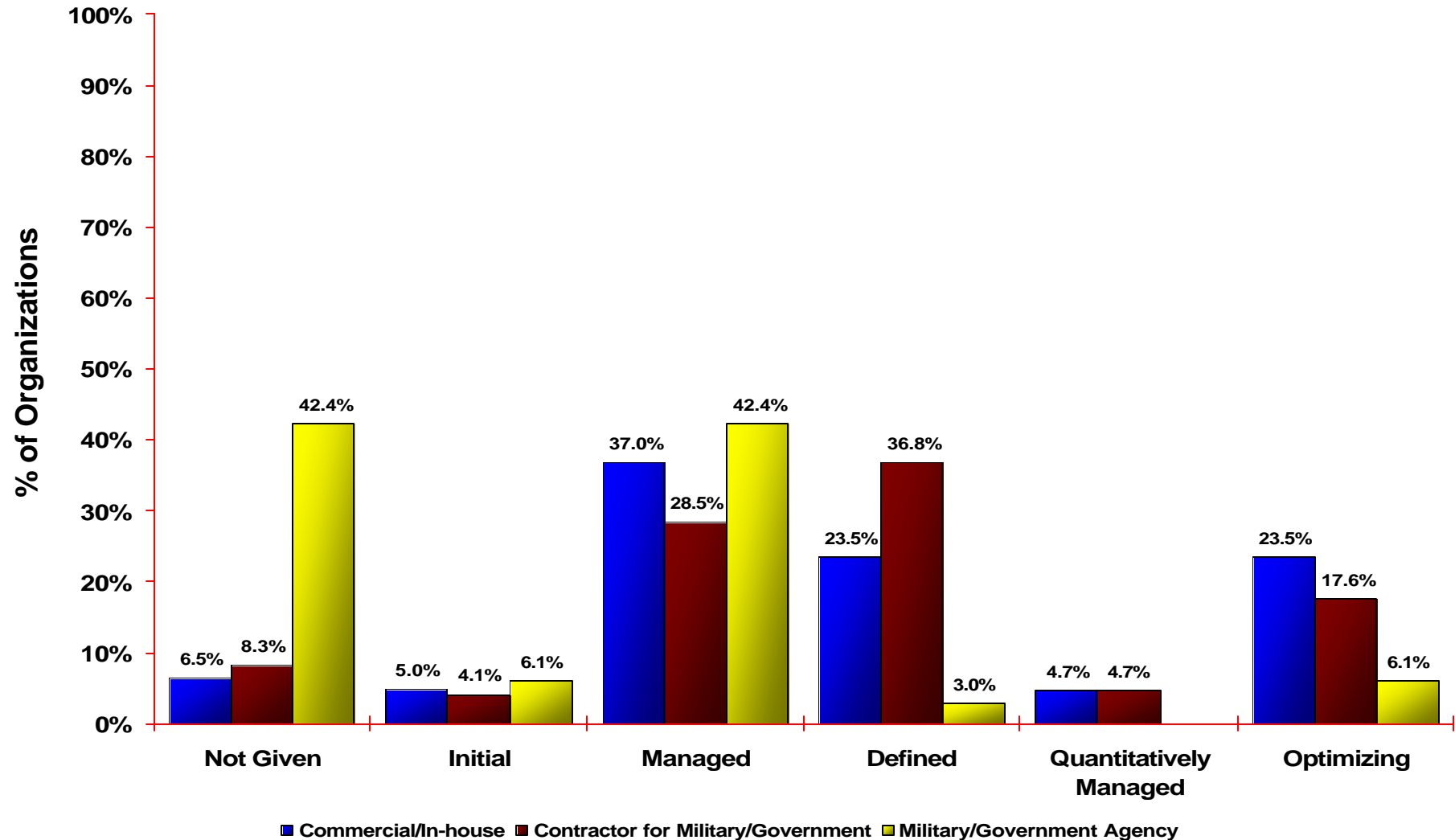
# Reporting Organizational Categories



Based on **567** organizations



# Maturity Profile by Reporting Organization Categories

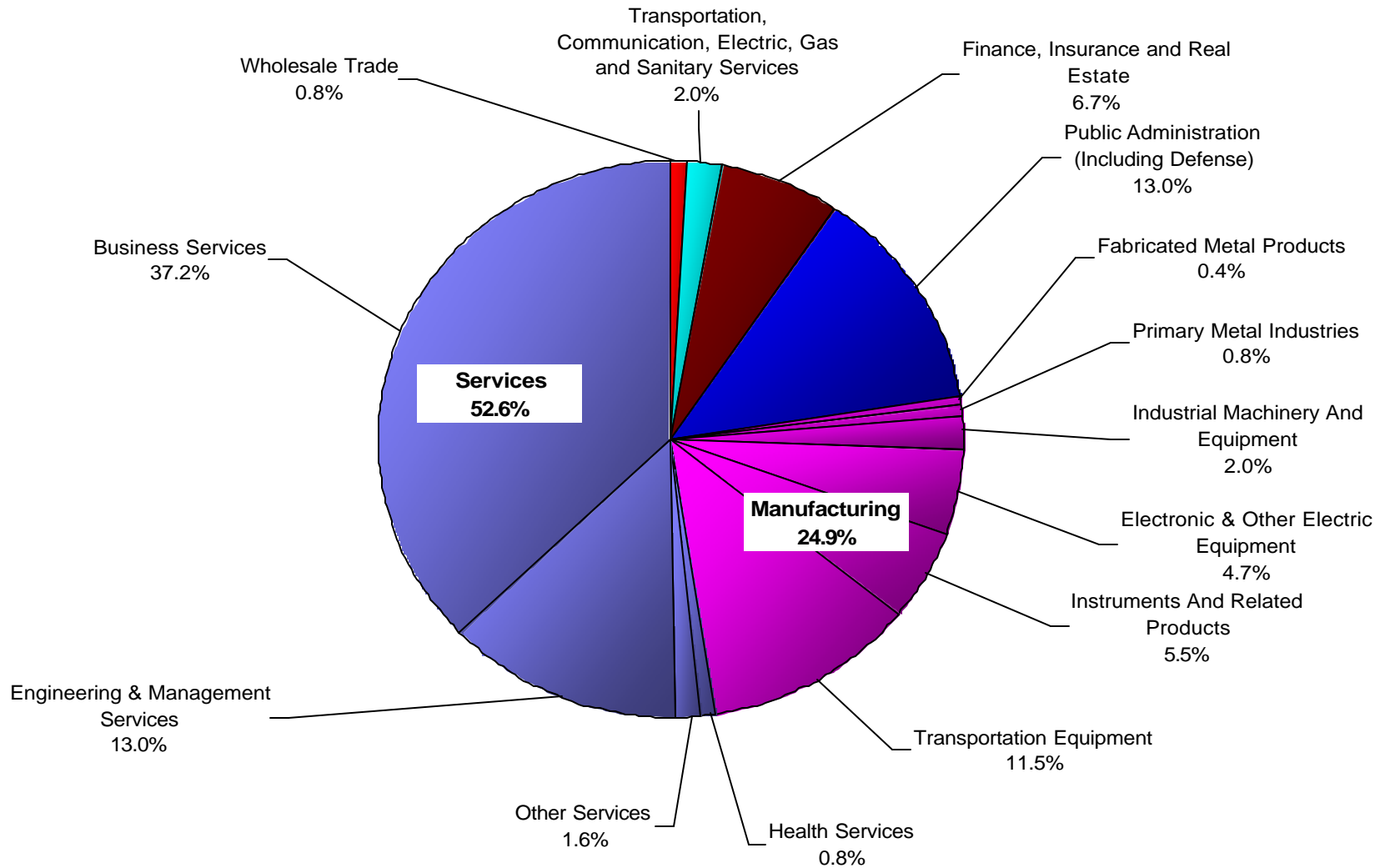


Based on most recent appraisal, of **567** organizations



# Organization Type

Based on Primary Standard Industrial Classification (SIC) Code



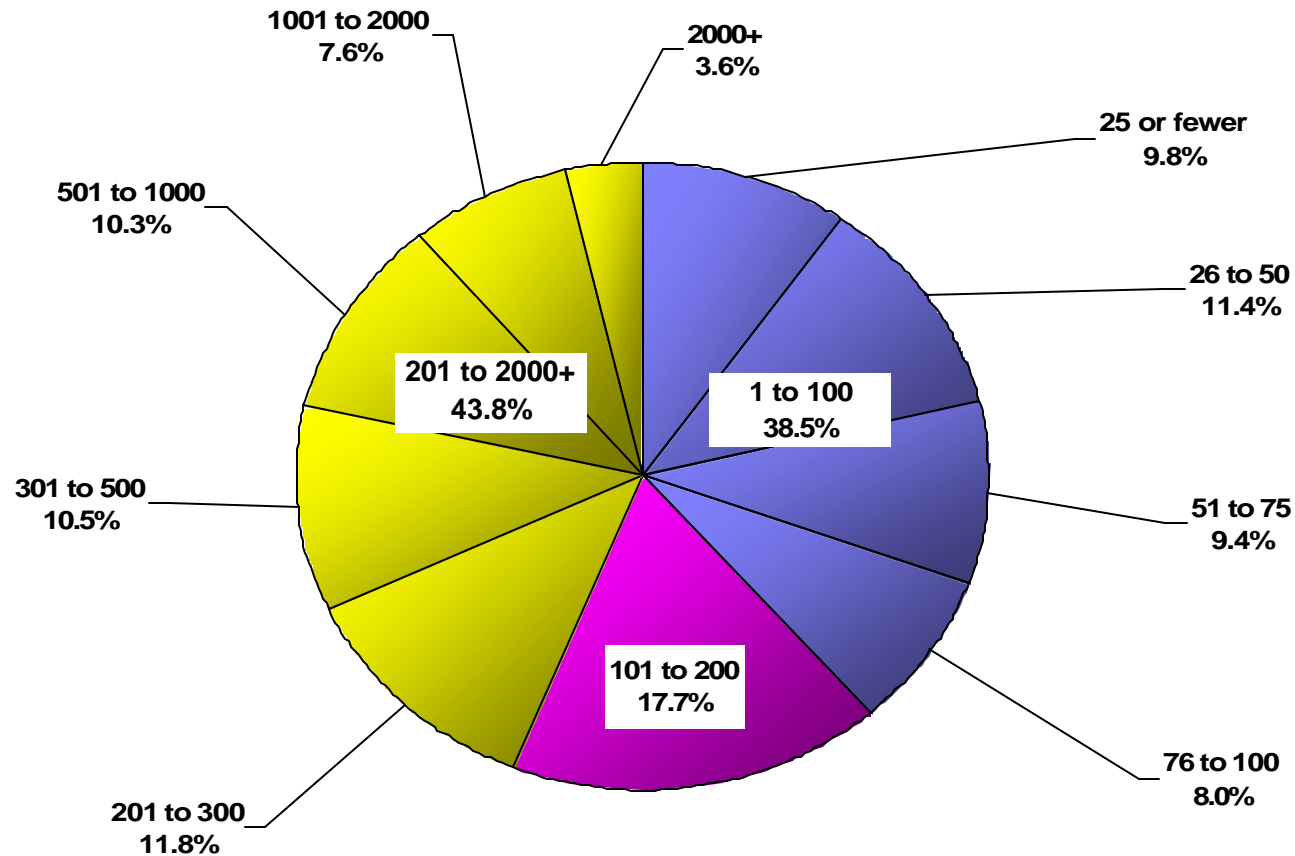
Based on **253** organizations reporting SIC code. For more information visit: <http://www.osha.gov/oshstats/sicser.html>





# Organization Size

Based on the total number of employees within the area of the organization that was appraised

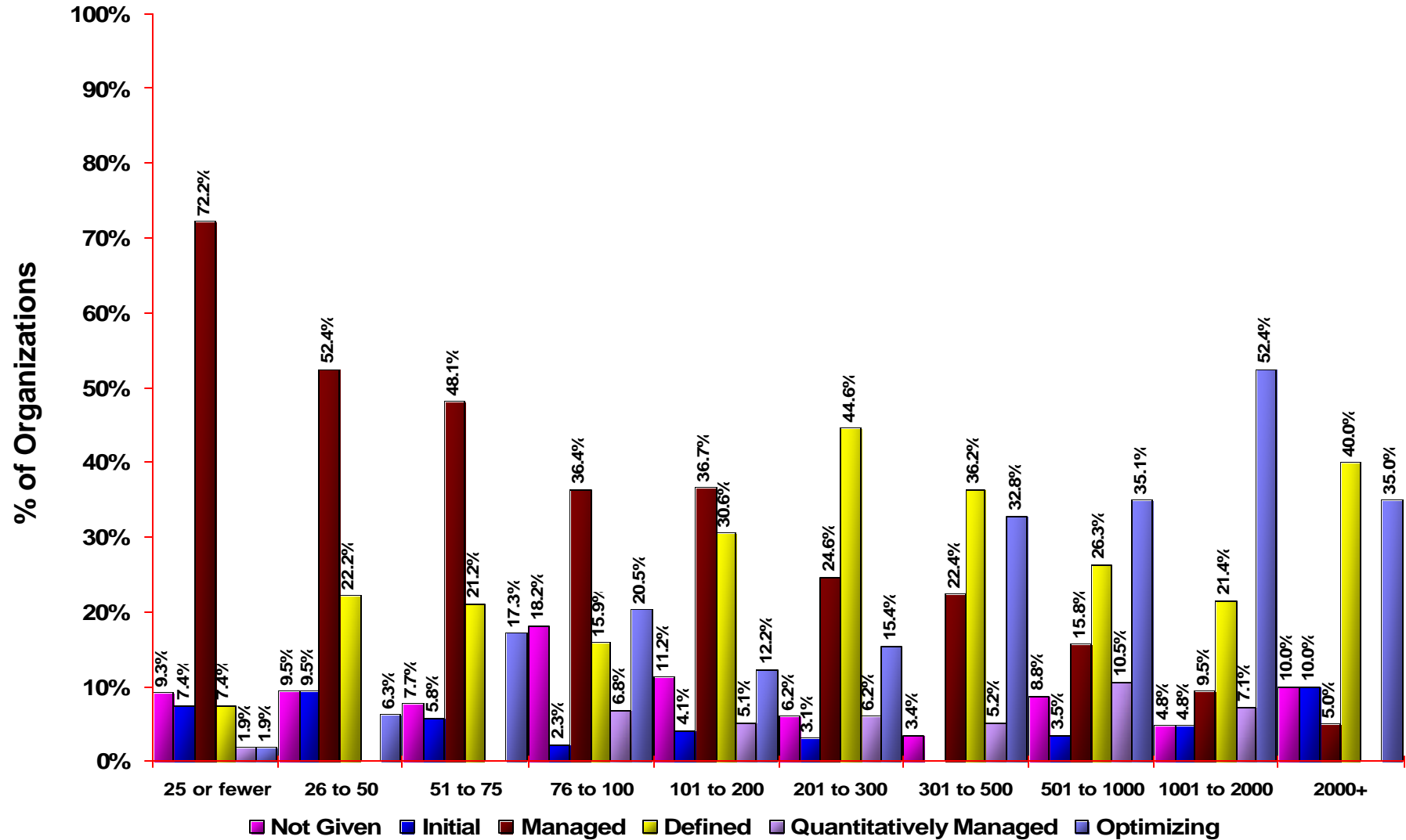


Based on **553** organizations reporting size data



# Maturity Profile by Organization Size

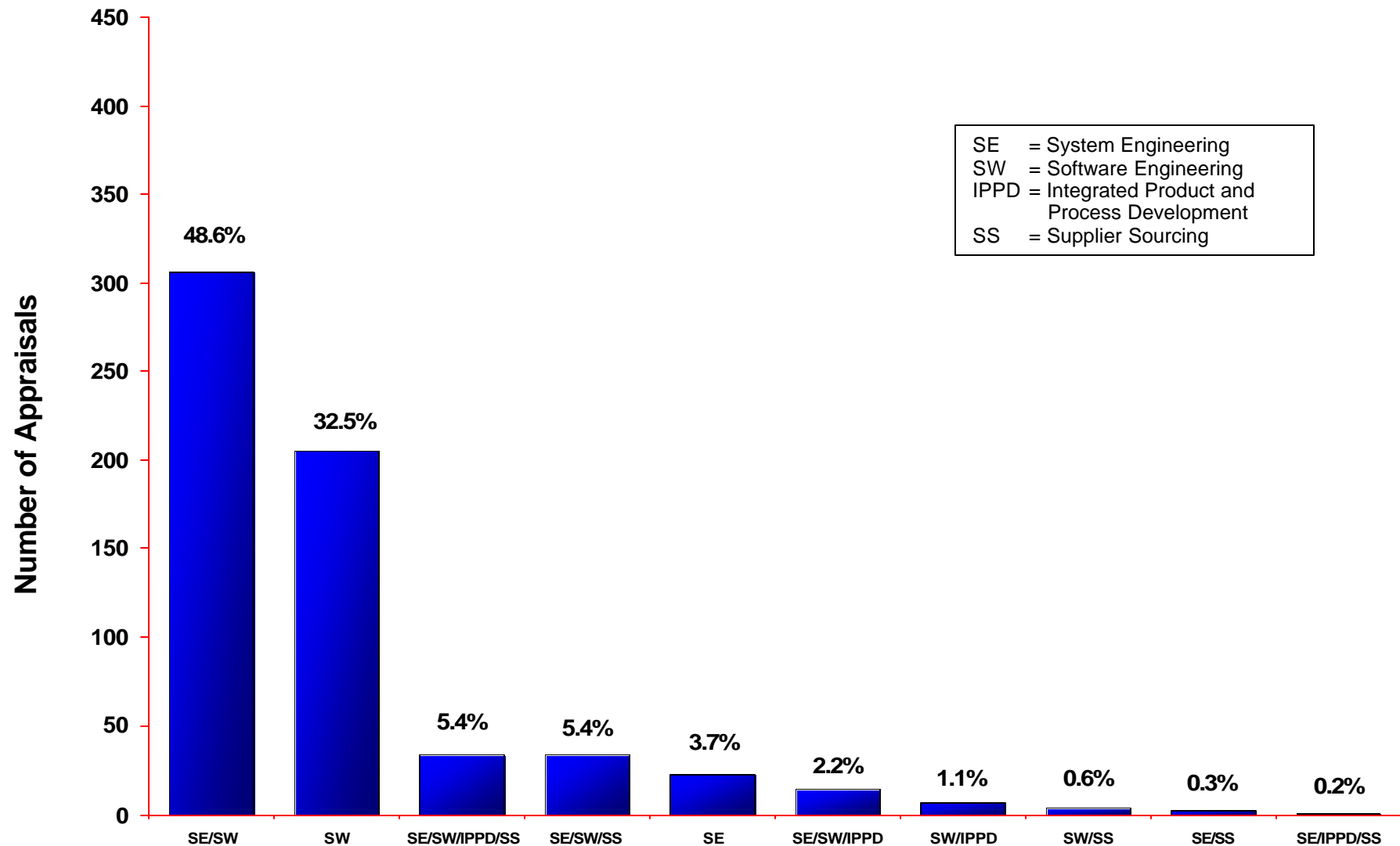
Based on the total number of employees within the area of the organization that was appraised



Based on 553 organizations reporting size data



# Disciplines Selected for Appraisals

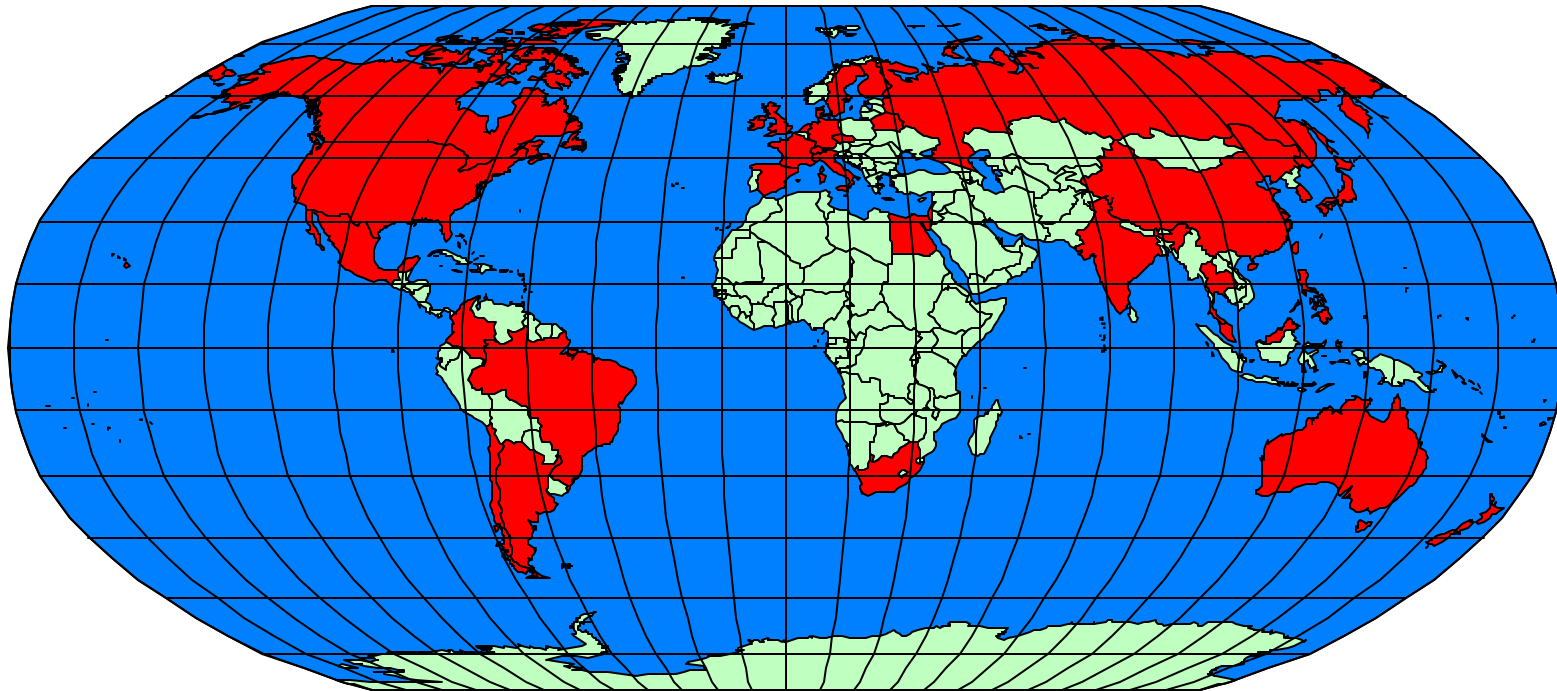


Based on **630** appraisals

For more information about Allowable Models & Combinations, visit: <http://www.sei.cmu.edu/cmml/background/aspec.html>



# Countries where Appraisals have been Performed and Reported to the SEI

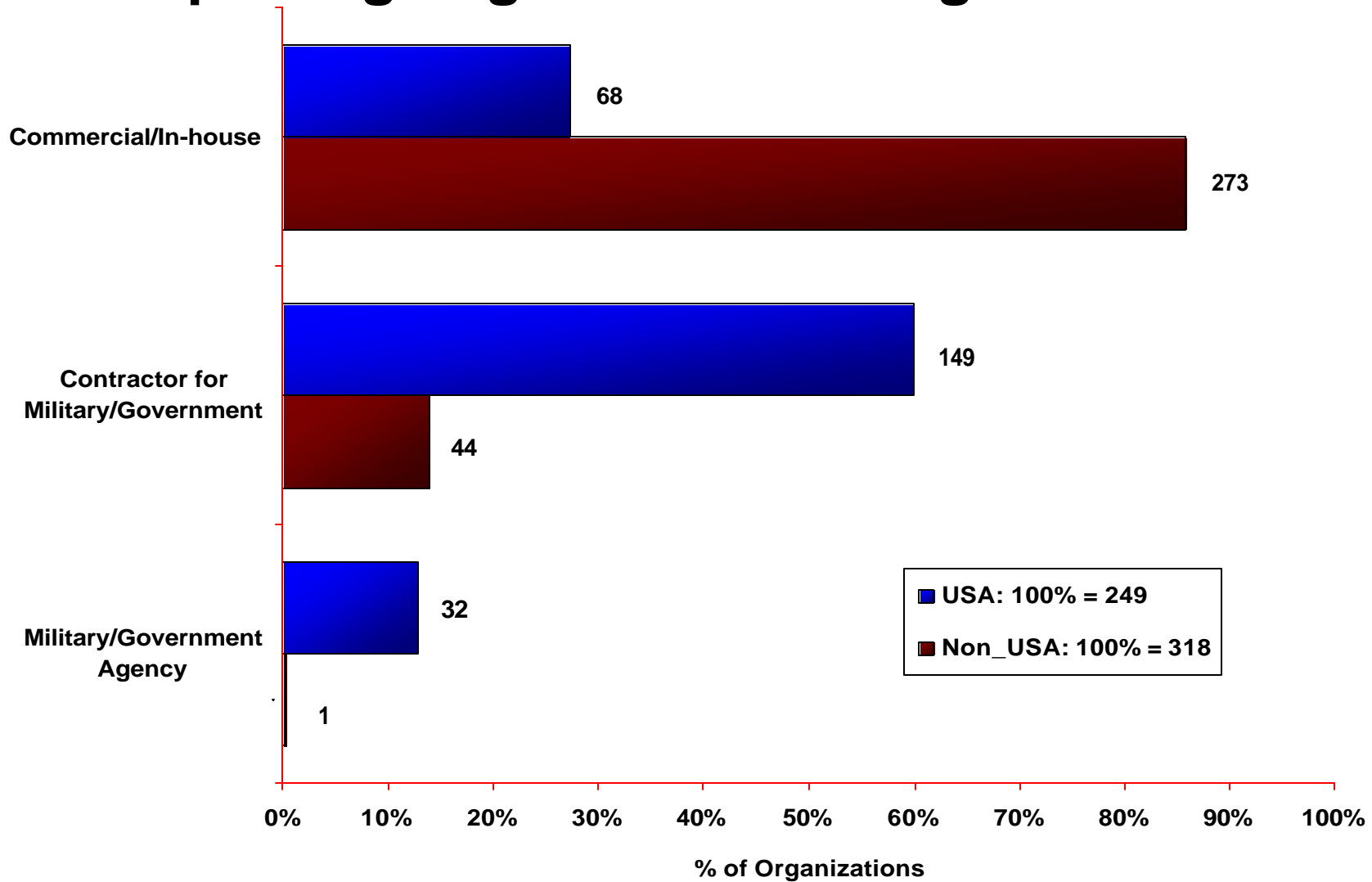


Argentina	Australia	Belarus	Brazil	Canada	Chile	China
Colombia	<b>Czech Republic</b>	Denmark	Egypt	Finland	France	Germany
Hong Kong	India	<b>Ireland</b>	Israel	<b>Italy</b>	Japan	Korea, Republic of
Malaysia	<b>Mexico</b>	<b>Netherlands</b>	New Zealand	Philippines	Russia	Singapore
South Africa	Spain	Sweden	Switzerland	Taiwan	Thailand	United Kingdom
United States						

Red country name: New additions with this reporting



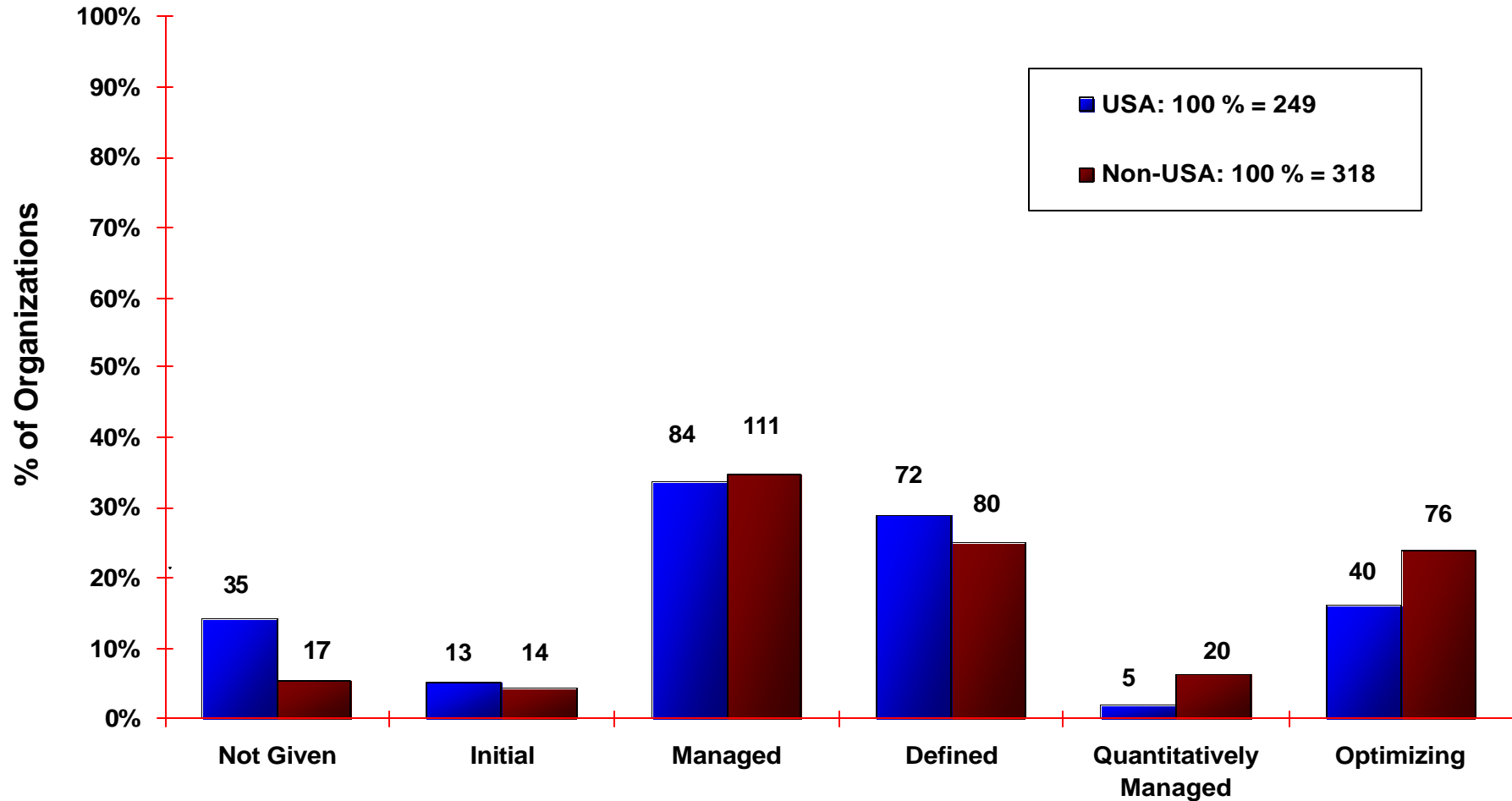
# USA and Non-USA Reporting Organization Categories



Based on **249** USA organizations and **318** Non-USA organizations



# Maturity Profile by All Reporting USA and Non-USA Organizations



Based on **249** USA organizations and **318** Non-USA organizations



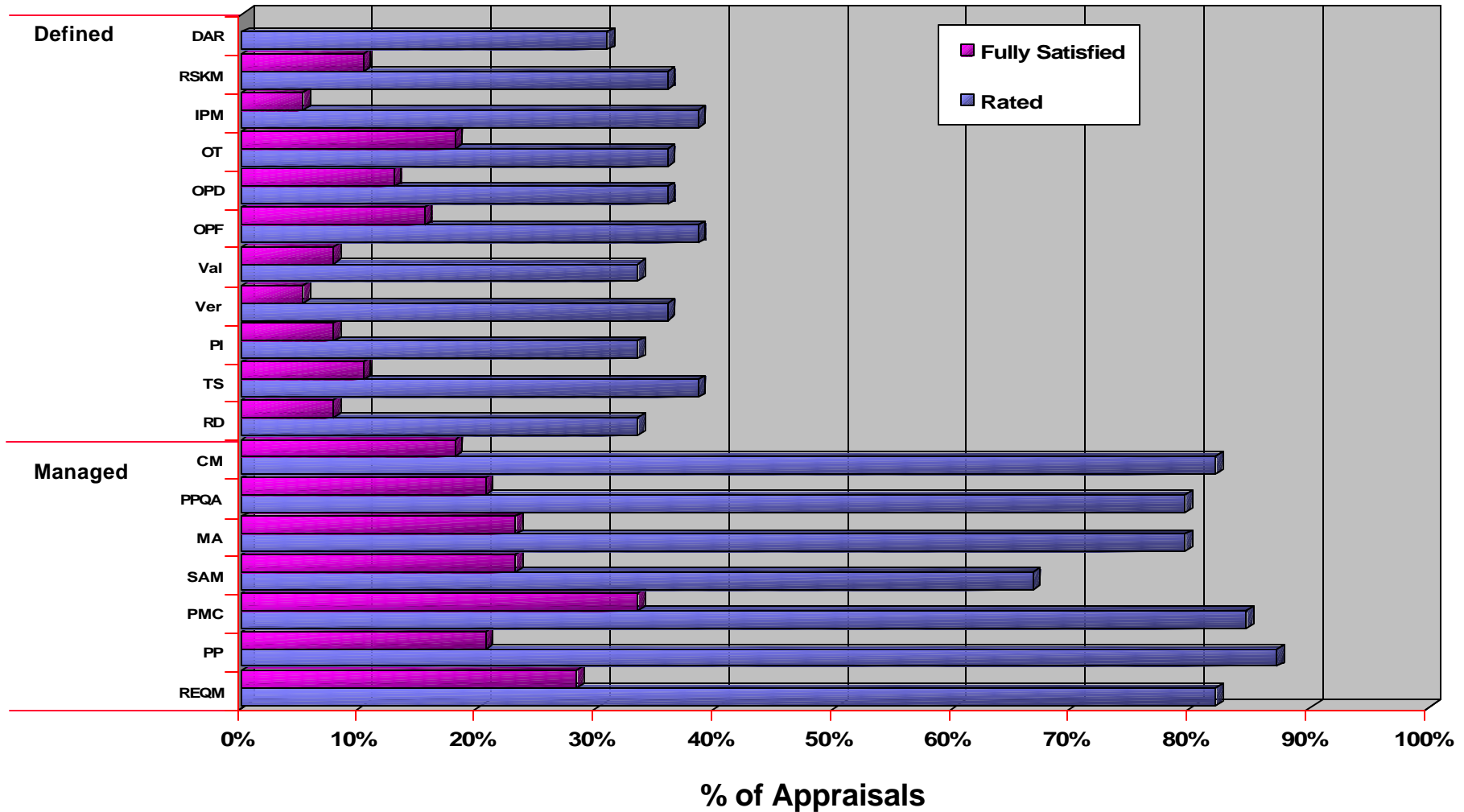
## Number of Appraisals and Maturity Levels Reported to the SEI by Country

Country	Number of Appraisals	Maturity Level 1 Reported	Maturity Level 2 Reported	Maturity Level 3 Reported	Maturity Level 4 Reported	Maturity Level 5 Reported	Country	Number of Appraisals	Maturity Level 1 Reported	Maturity Level 2 Reported	Maturity Level 3 Reported	Maturity Level 4 Reported	Maturity Level 5 Reported
Argentina	10 or fewer						Italy	10 or fewer					
Australia	12	Yes	Yes	Yes	Yes	Yes	Japan	77	Yes	Yes	Yes	Yes	Yes
Belarus	10 or fewer						Korea, Republic of	23	Yes	Yes	Yes	Yes	Yes
Brazil	10 or fewer						Malaysia	10 or fewer					
Canada	10 or fewer						Mexico	10 or fewer					
Chile	10 or fewer						Netherlands	10 or fewer					
China	34	Yes	Yes	Yes	No	Yes	New Zealand	10 or fewer					
Colombia	10 or fewer						Philippines	10 or fewer					
Czech Republic	10 or fewer						Russia	10 or fewer					
Denmark	10 or fewer						Singapore	10 or fewer					
Egypt	10 or fewer						South Africa	10 or fewer					
Finland	10 or fewer						Spain	10 or fewer					
France	18	Yes	Yes	Yes	No	No	Sweden	10 or fewer					
Germany	12	Yes	Yes	Yes	No	Yes	Switzerland	10 or fewer					
Hong Kong	10 or fewer						Taiwan	13	No	Yes	Yes	No	No
India	70	No	Yes	Yes	Yes	Yes	Thailand	10 or fewer					
Ireland	10 or fewer						United Kingdom	25	Yes	Yes	Yes	Yes	No
Israel	10 or fewer						United States	280	Yes	Yes	Yes	Yes	Yes



# Process Area Profiles - 1

## Organizations Appraised at Maturity Level 1



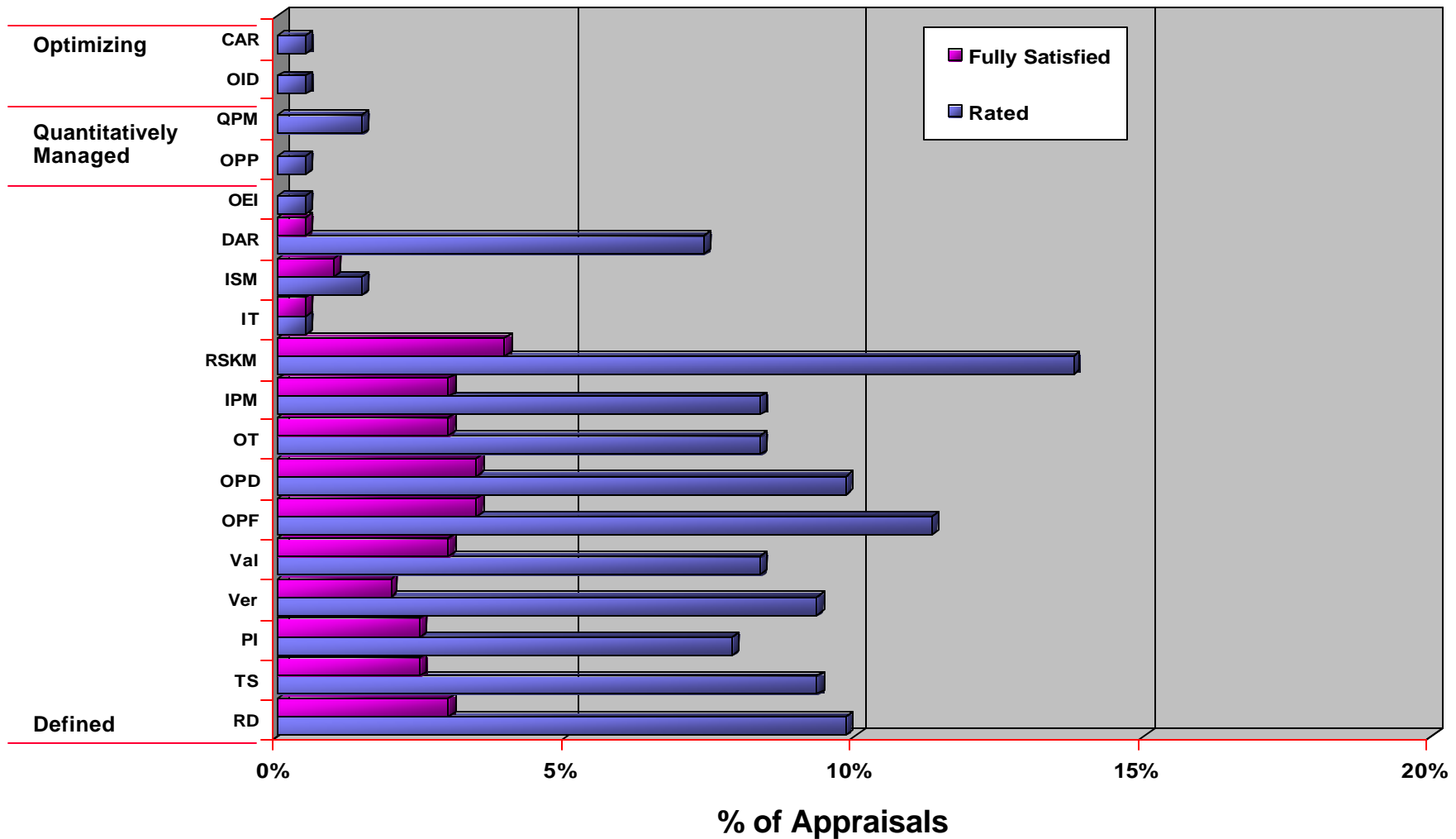
Based on 39 appraisals reporting a maturity level 1 rating





# Process Area Profiles - 2

## Organizations Appraised at Maturity Level 2



Based on 203 appraisals reporting a maturity level 2 rating



# Summary

**630 appraisals have been reported to the SEI in 34 months**

**Commercial/In-House organizations reporting appraisals is increasing more rapidly than other organizational categories**

**Government/Military and Government/Military Contractors reporting appraisals is increasing at a stable and consistent rate**

**The highest percentage of Commercial/In-House organizations reporting appraisals is from outside the USA**

**The highest percentage of Government/Military Contractors reporting appraisals is from the USA**

**Comparing early reports of the SW-CMM maturity profile with early CMMI data reflects a more mature CMMI® profile**

**Additional information and charts will be added to this briefing as more appraisals are reported and more data is available to support the breakdowns**



# Terms Used in this Report

- Company** - Parent of the appraised entity  
A company can be a commercial or non-commercial firm, for-profit or not for-profit business, a research and development unit, a higher education unit, a government agency, or branch of service, etc.
- Organization** - a.k.a. Appraised entity  
The organization unit to which the appraisal results apply. An appraised entity can be the entire company, a selected business unit, units supporting a particular product line or service, etc.
- Non-USA** - Appraised entity whose geographic location is not within the United States. The parent of the appraised entity may or may not be based within the United States.



## **Report your Appraisal Results to the SEI**

**The briefing is only possible due to the cooperation of organizations and individuals sending in their appraisal results to the SEI**

**In order to provide this information and service in the future, it will depend on this continued cooperation**

**Please visit:**

**<http://www.sei.cmu.edu/sema/report.html>**

**for forms, information, and instructions on how to report appraisals to the SEI**



## Contact Information

Please visit:

[http://www.sei.cmu.edu/sema/profile\\_about.html](http://www.sei.cmu.edu/sema/profile_about.html)

and review the information provided before contacting:

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