



Carnegie Mellon  
Software Engineering Institute

# Process Maturity Profile

## CMMI<sup>®</sup> v1.1 SCAMPI<sup>SM</sup> v1.1 Class A Appraisal Results 2006 Mid-Year Update

September 2006

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 appraisals reported to the SEI. It cannot be used as a source for an exact indicator of all organizations in the world using CMMI 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 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 CMMI 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/appraisal-program/>



# 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/appraisal-program/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 June 2006 and reported to the SEI by July 2006**

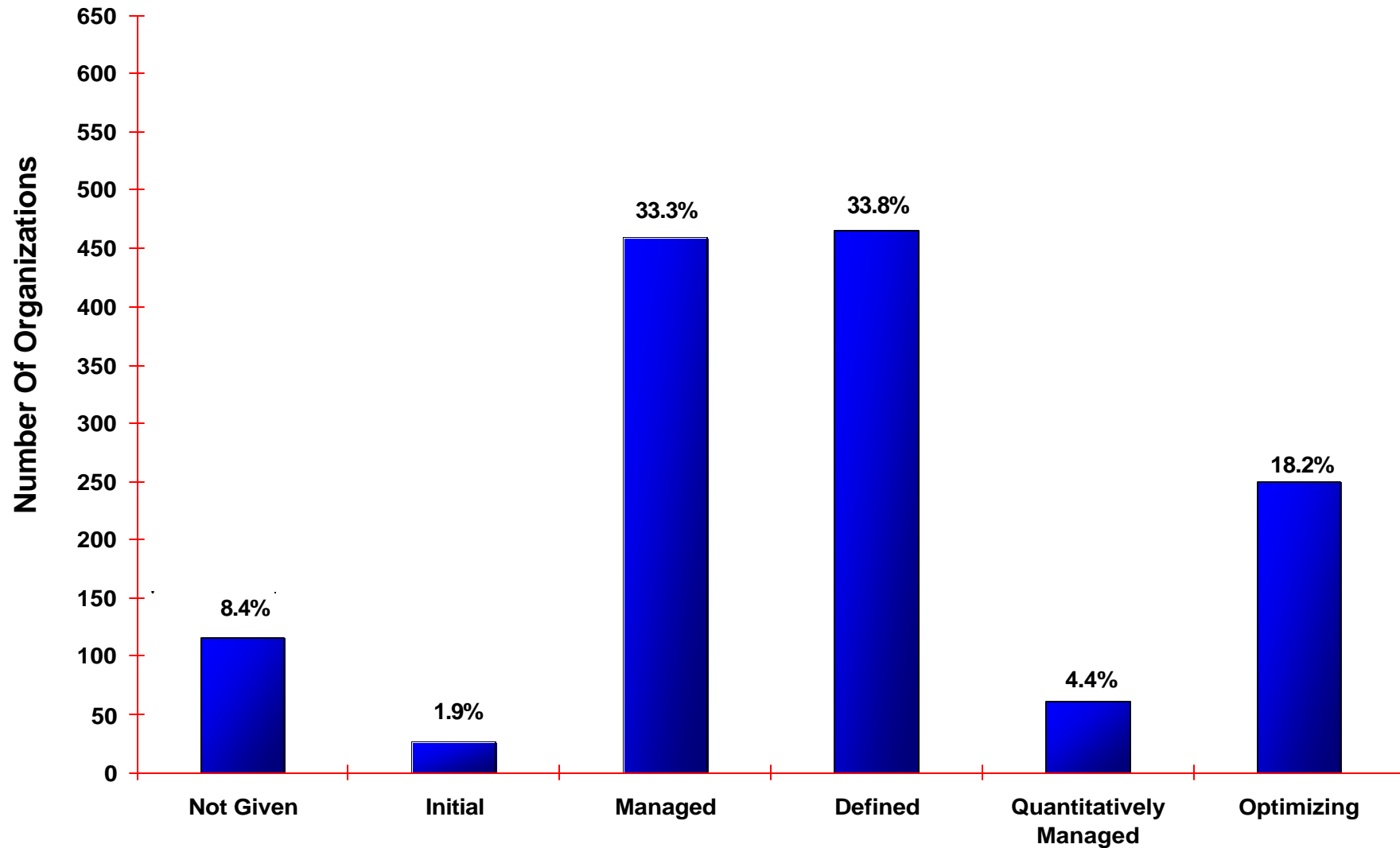
- **1,581 appraisals**
- **1,377 organizations**
- **840 participating companies**
- **169 reappraised organizations**
- **6,001 projects**
- **63.8% Non-USA organizations**

**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.



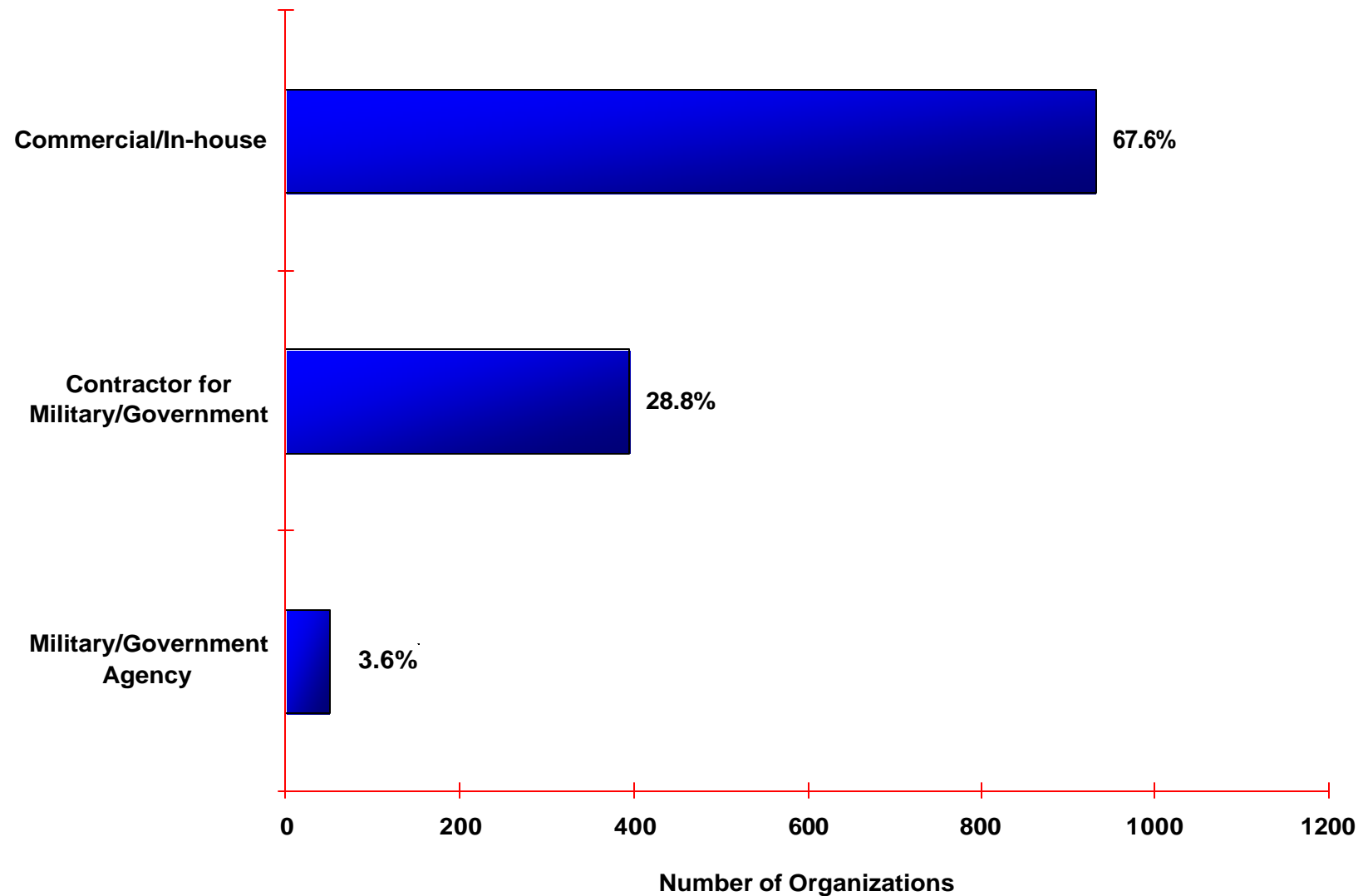
# Process Maturity Profile by All Reporting Organizations



Based on most recent appraisal of **1,377** organizations



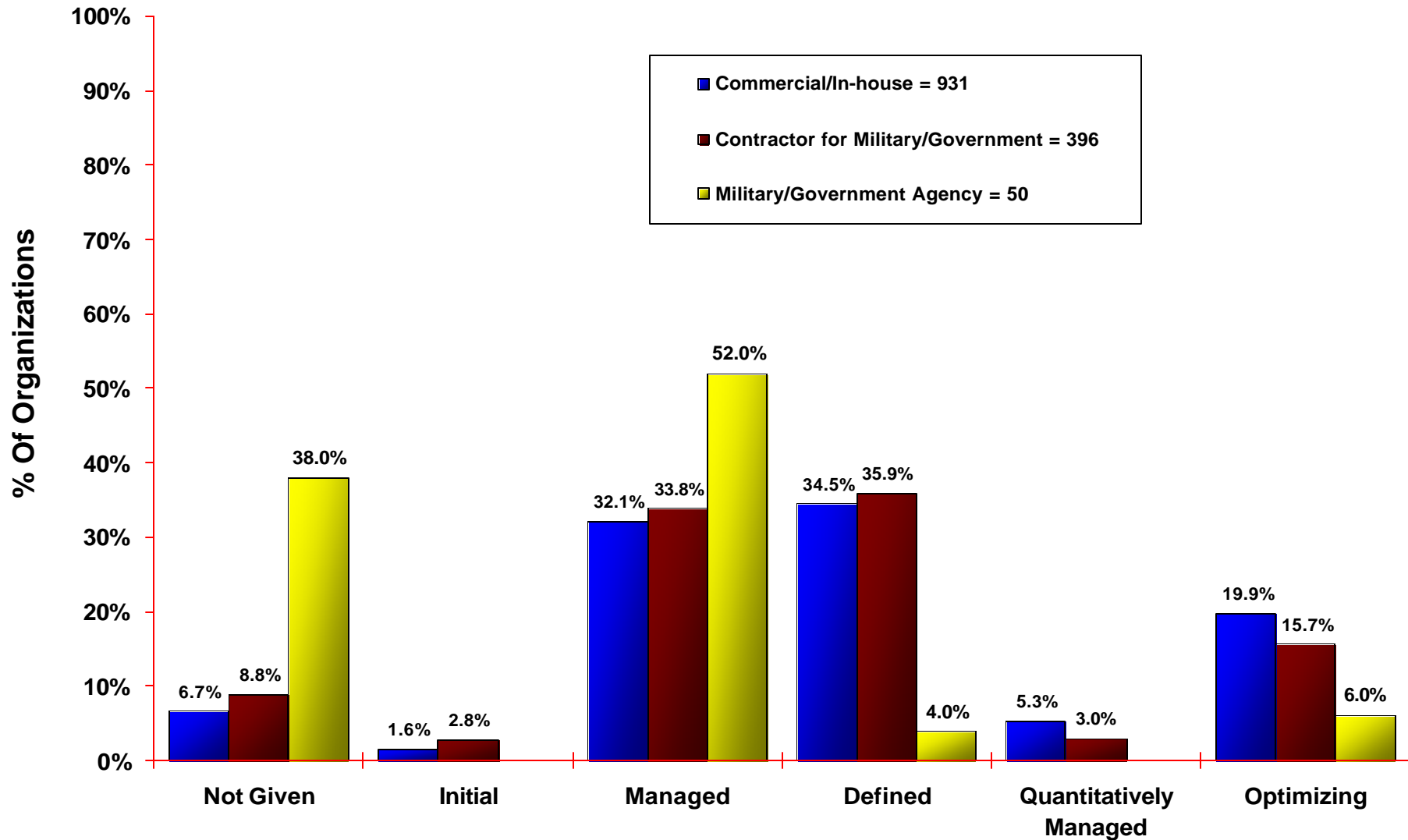
# Reporting Organizational Categories



Based on 1,377 organizations



# Process Maturity Profile by Reporting Organization Categories

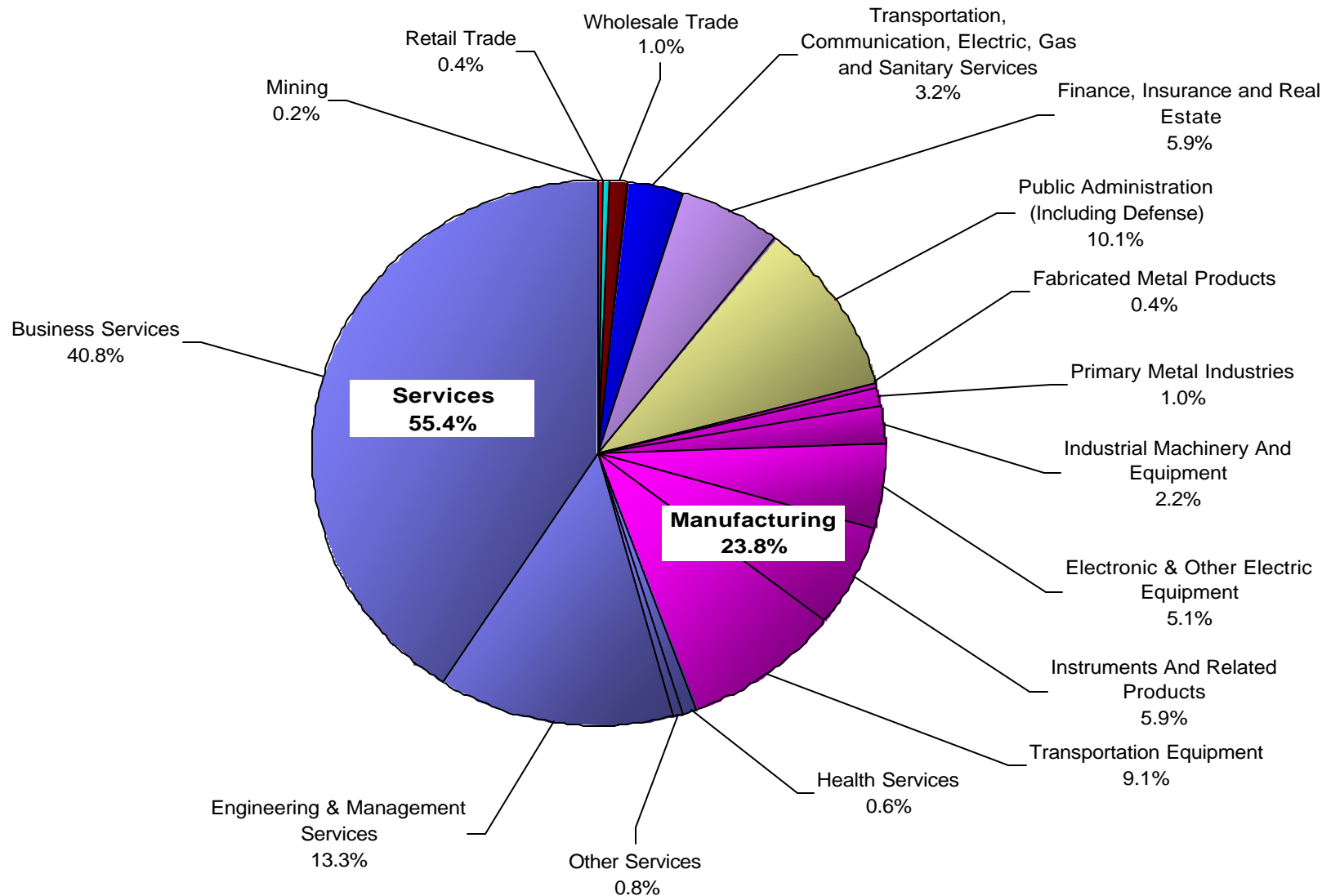


Based on most recent appraisal of **1,377** organizations



# Organization Type

Based on Primary Standard Industrial Classification (SIC) Code



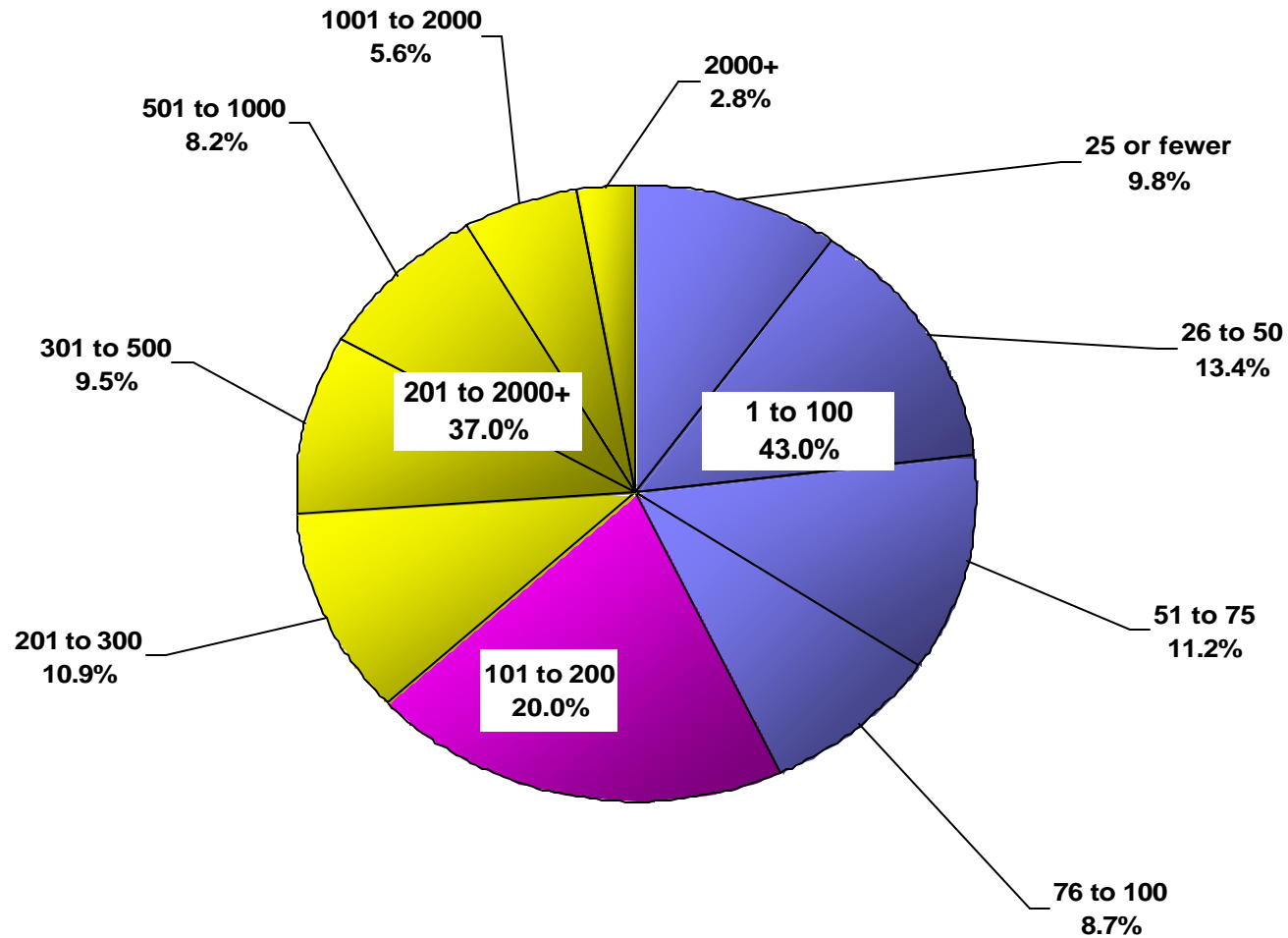
Based on **505** organizations reporting SIC code. For more information visit: <http://www.osha.gov/oshstats/sicser.html>





# Organization Size

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

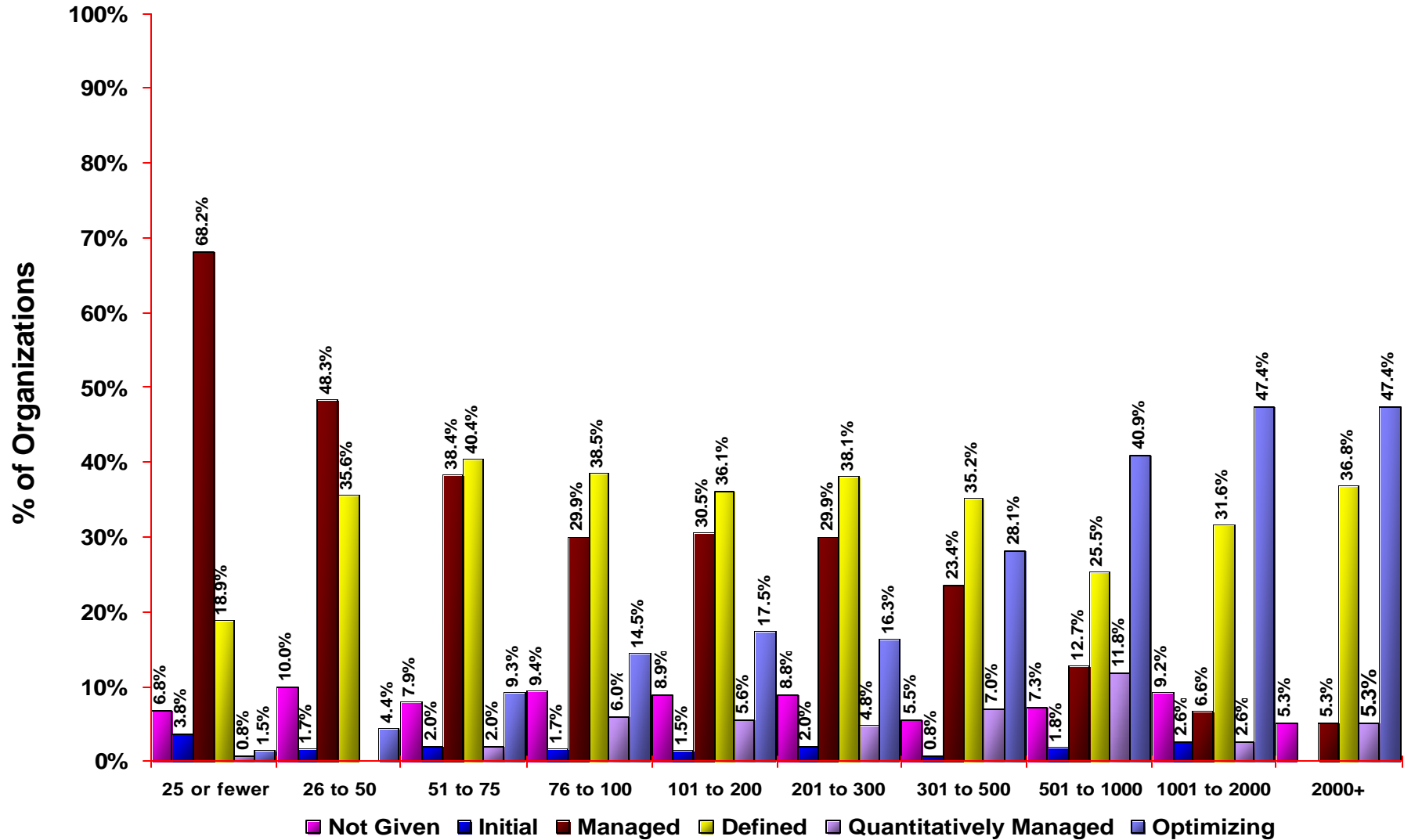


Based on 1,348 organizations reporting size data



# Maturity Profile by Organization Size

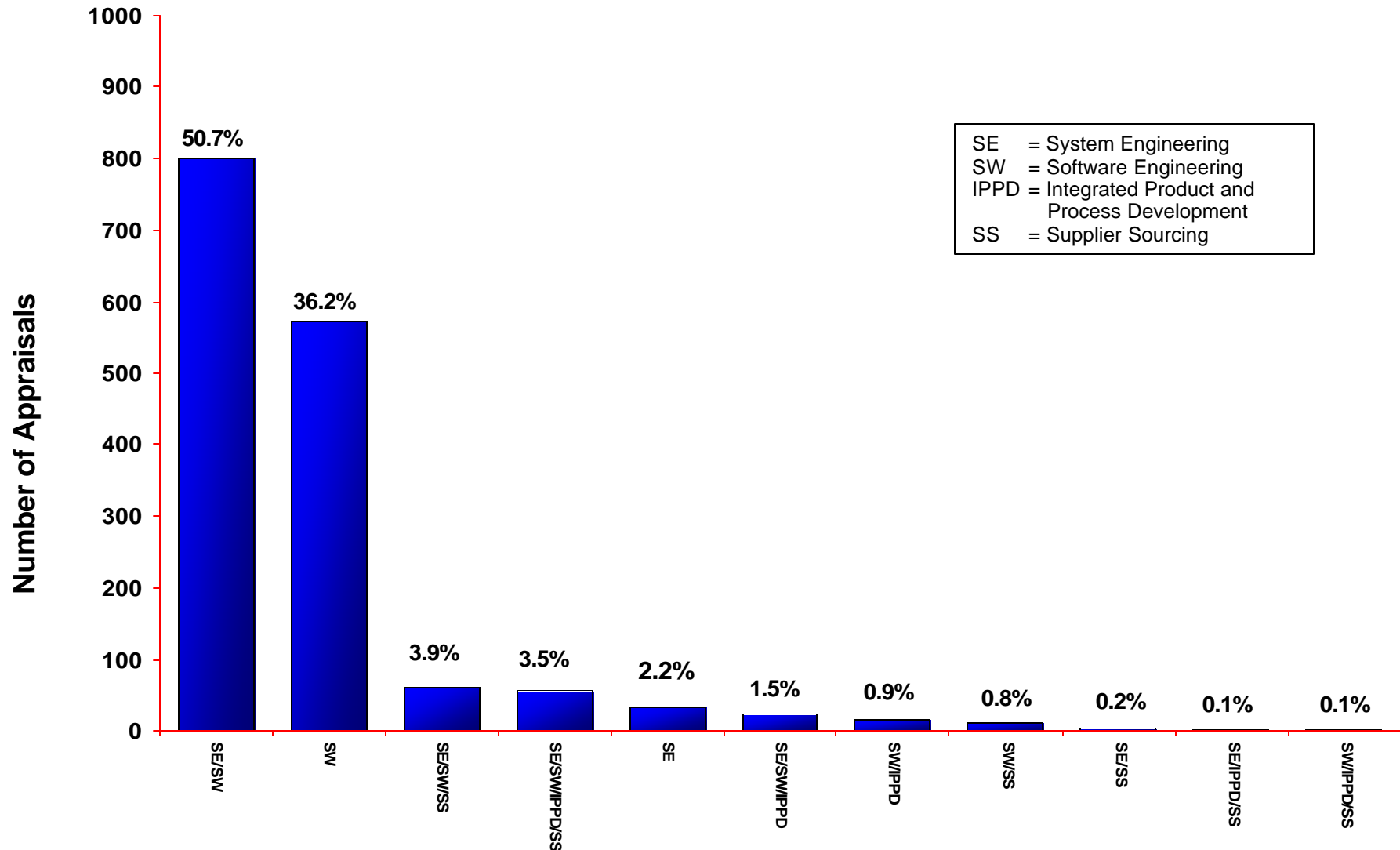
Based on the total number of employees within the area of the organization that was appraised



Based on 1,348 organizations reporting size data



# Disciplines Selected for Appraisals



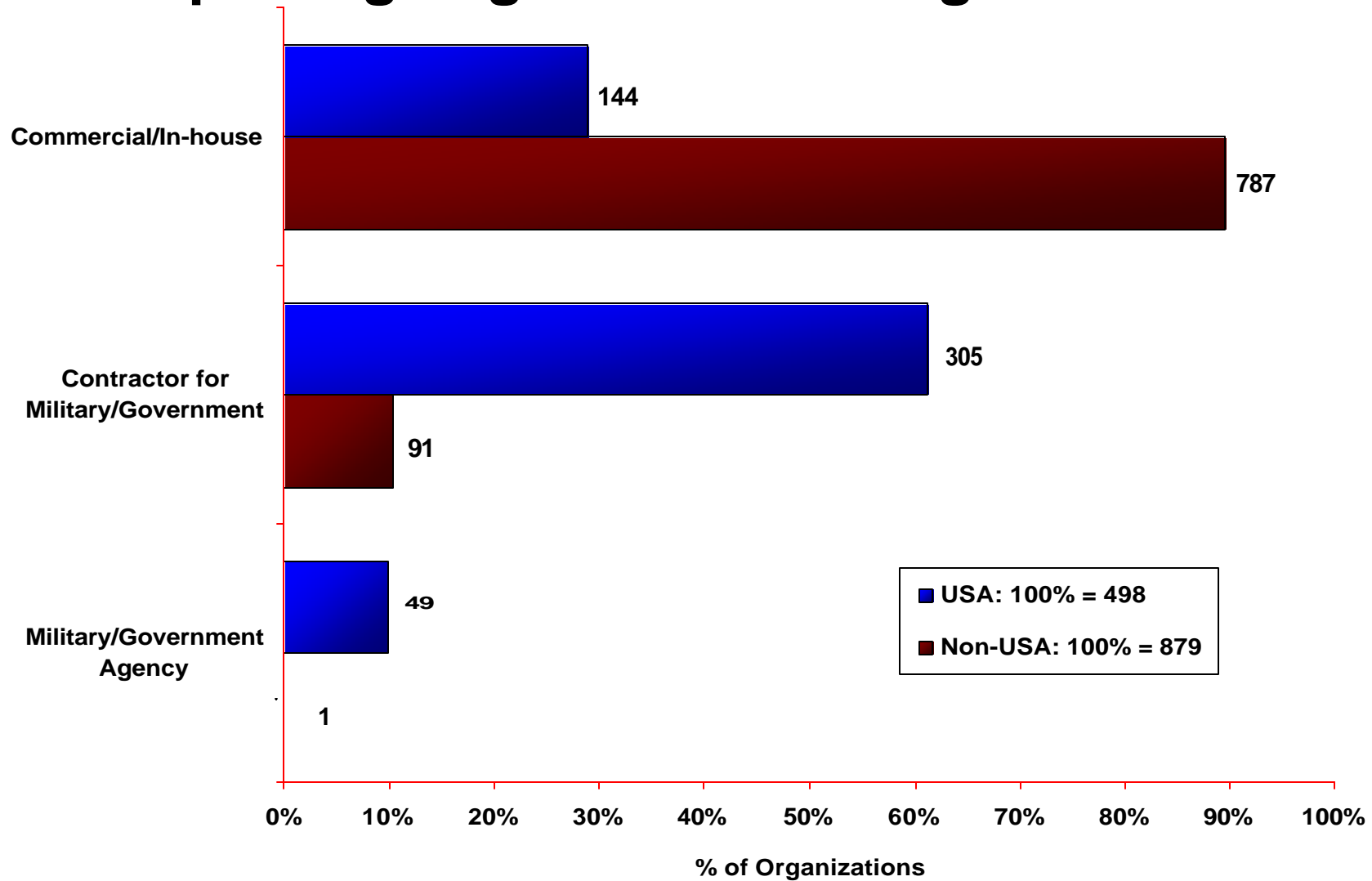
Based on 1,581 appraisals

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





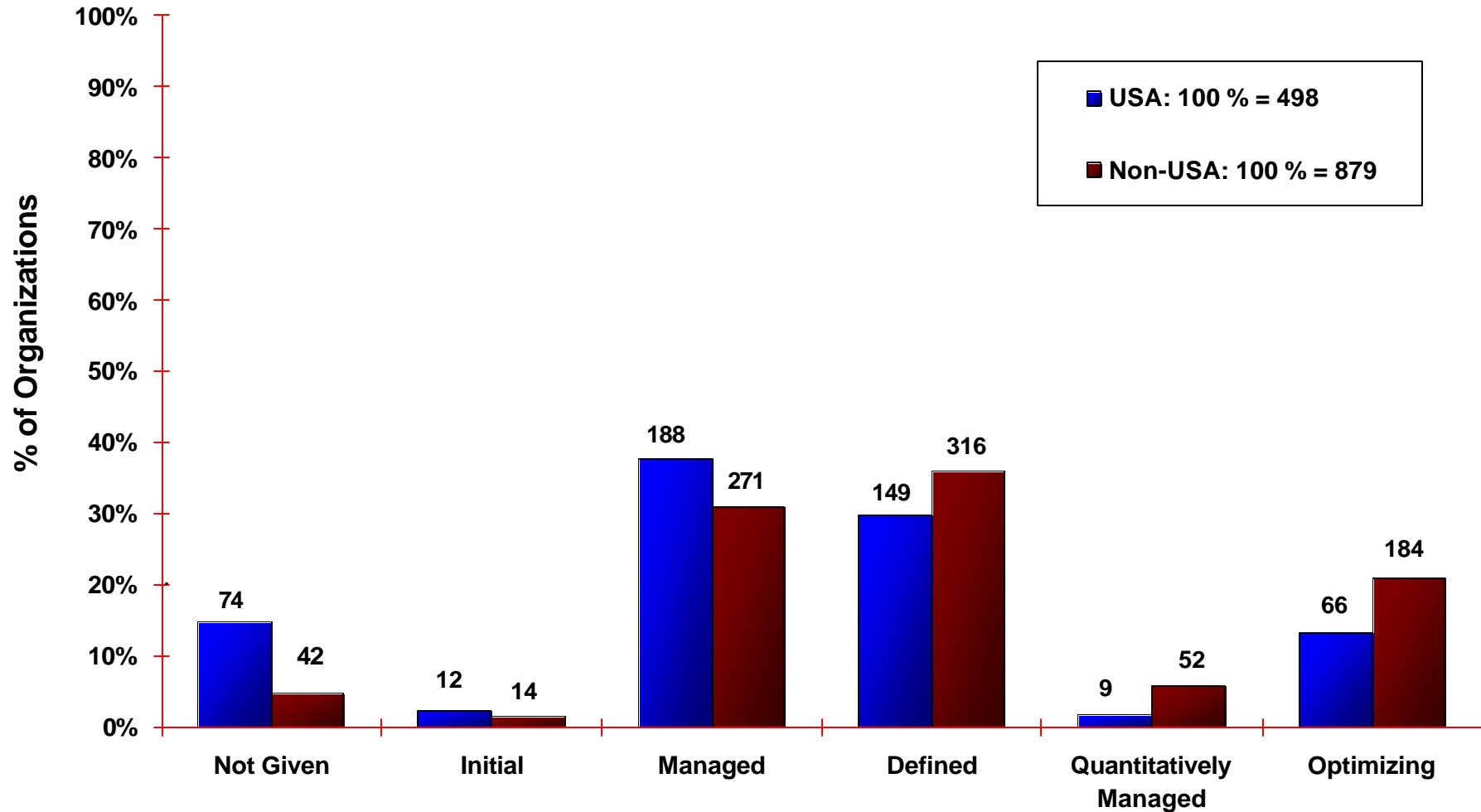
# USA and Non-USA Reporting Organization Categories



Based on **498** USA organizations and **879** Non-USA organizations



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



Based on **498** USA organizations and **879** Non-USA organizations



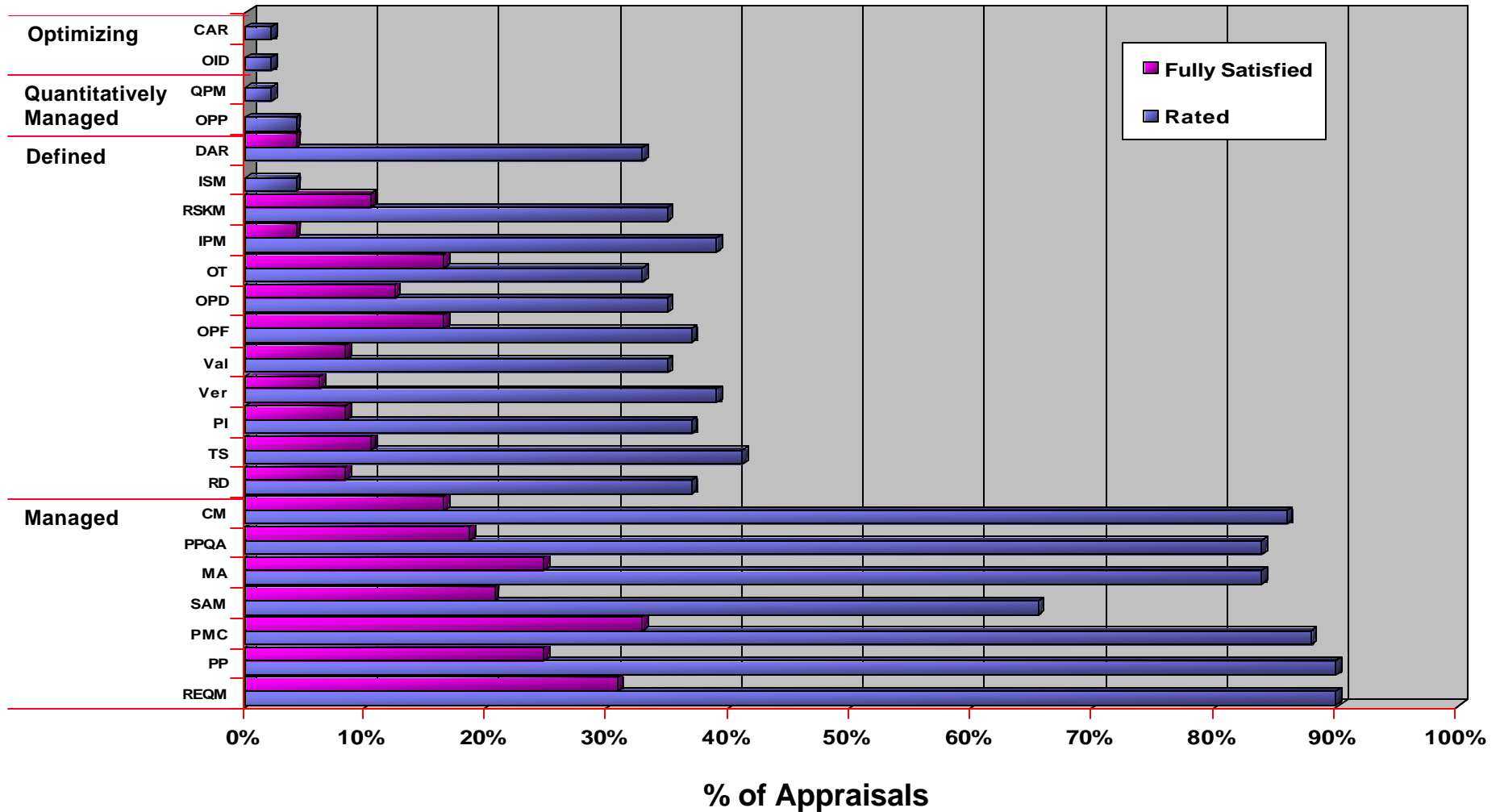
# Number of Appraisals and Maturity Levels Reported to the SEI by Country

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	15	No	Yes	Yes	Yes	Yes	Korea, Republic of	56	Yes	Yes	Yes	Yes	Yes
Australia	23	Yes	Yes	Yes	Yes	Yes	Latvia	10 or fewer					
Austria	10 or fewer						Malaysia	15	No	No	Yes	No	Yes
Bahrain	10 or fewer						Mauritius	10 or fewer					
Belarus	10 or fewer						Mexico	10 or fewer					
Belgium	10 or fewer						Morocco	10 or fewer					
Brazil	39	No	Yes	Yes	Yes	Yes	Netherlands	10 or fewer					
Canada	18	No	Yes	Yes	No	Yes	New Zealand	10 or fewer					
Chile	10 or fewer						Pakistan	10 or fewer					
China	158	Yes	Yes	Yes	Yes	Yes	Philippines	14	No	Yes	Yes	No	Yes
Colombia	10 or fewer						Portugal	10 or fewer					
Czech Republic	10 or fewer						Russia	10 or fewer					
Denmark	10 or fewer						Singapore	10 or fewer					
Dominican Republic	10 or fewer						Slovakia	10 or fewer					
Egypt	10						South Africa	10 or fewer					
Finland	10 or fewer						Spain	25	No	Yes	Yes	No	Yes
France	65	Yes	Yes	Yes	Yes	Yes	Sweden	10 or fewer					
Germany	28	Yes	Yes	Yes	Yes	Yes	Switzerland	10 or fewer					
Hong Kong	10 or fewer						Taiwan	31	No	Yes	Yes	No	No
India	177	No	Yes	Yes	Yes	Yes	Thailand	10 or fewer					
Indonesia	10 or fewer						Turkey	10 or fewer					
Ireland	10 or fewer						Ukraine	10 or fewer					
Israel	10 or fewer						United Kingdom	42	Yes	Yes	Yes	Yes	No
Italy	10 or fewer						United States	598	Yes	Yes	Yes	Yes	Yes
Japan	155	Yes	Yes	Yes	Yes	Yes	Vietnam	10 or fewer					



# Process Area Profiles - 1

## Organizations Appraised at Maturity Level 1



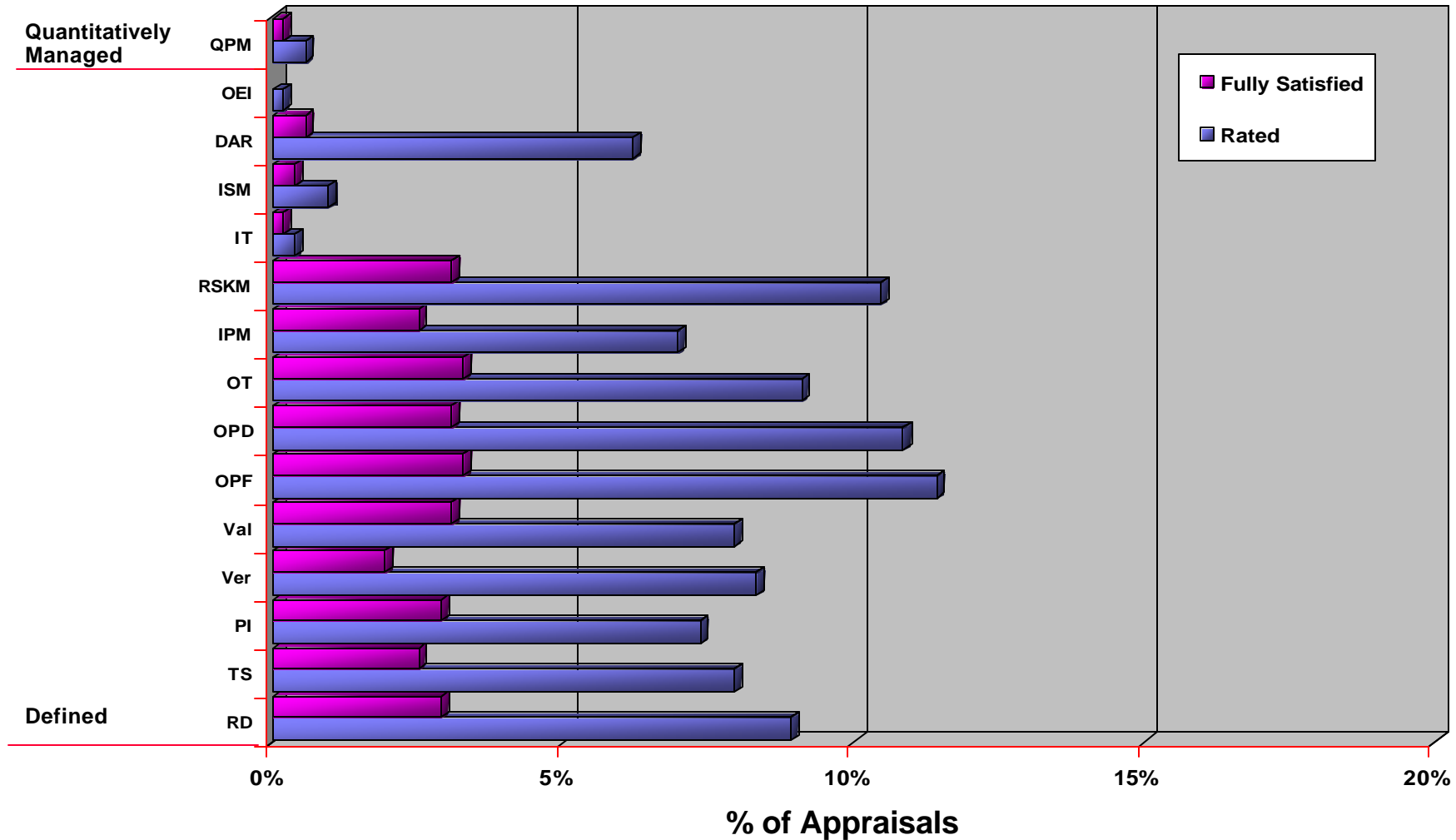
Based on 49 appraisals reporting a maturity level 1 rating





# Process Area Profiles - 2

## Organizations Appraised at Maturity Level 2



Based on 516 appraisals reporting a maturity level 2 rating



# Summary

**1,581 appraisals have been reported to the SEI in 52 months**

**Both Commercial/In-House organizations, Government/Military and Government/Military Contractors reporting appraisals are 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/appraisal-program/profile/about.html>**

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



## Contact Information

Please visit:

<http://www.sei.cmu.edu/appraisal-program/profile/about.html>

and review the information provided before contacting:

<b>SEI Customer Relations</b>	<b>(412) 268-5800</b>
<b>SEI FAX number</b>	<b>(412) 268-5758</b>

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