Carnegie Mellon
Software Engineering Institute

Process Maturity Profile

CMMI® v1.1
SCAMPISM v1.1 Class A Appraisal Results
2005 Mid-Year Update

September 2005

We could not produce this report
without the support of the organizations
and lead appraisers who reported their
appraisal results to the SEISM.

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

CMMI Appraisal Program

Report Documentation Page

Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

1. REPORT DATE **SEP 2005**	2. REPORT TYPE	3. DATES COVERED **00-00-2005 to 00-00-2005**

4. TITLE AND SUBTITLE **Process Maturity Profile: CMMI v1.1 SCAMPISM v1.1 Class A Appraisal Results 2005 Mid-Year Update**	5a. CONTRACT NUMBER
	5b. GRANT NUMBER
	5c. PROGRAM ELEMENT NUMBER
6. AUTHOR(S)	5d. PROJECT NUMBER
	5e. TASK NUMBER
	5f. WORK UNIT NUMBER

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) **Carnegie Mellon University,Software Engineering Institute,Pittsburgh,PA,15213**	8. PERFORMING ORGANIZATION REPORT NUMBER

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)	10. SPONSOR/MONITOR'S ACRONYM(S)
	11. SPONSOR/MONITOR'S REPORT NUMBER(S)

12. DISTRIBUTION/AVAILABILITY STATEMENT **Approved for public release; distribution unlimited**

13. SUPPLEMENTARY NOTES

14. ABSTRACT

15. SUBJECT TERMS

16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON
a. REPORT **unclassified**	b. ABSTRACT **unclassified**	c. THIS PAGE **unclassified**	**Same as Report (SAR)**	**21**	

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 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 authorizes 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 (SCAMPISM), 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 2005 <u>and</u> reported to the SEI by July 2005
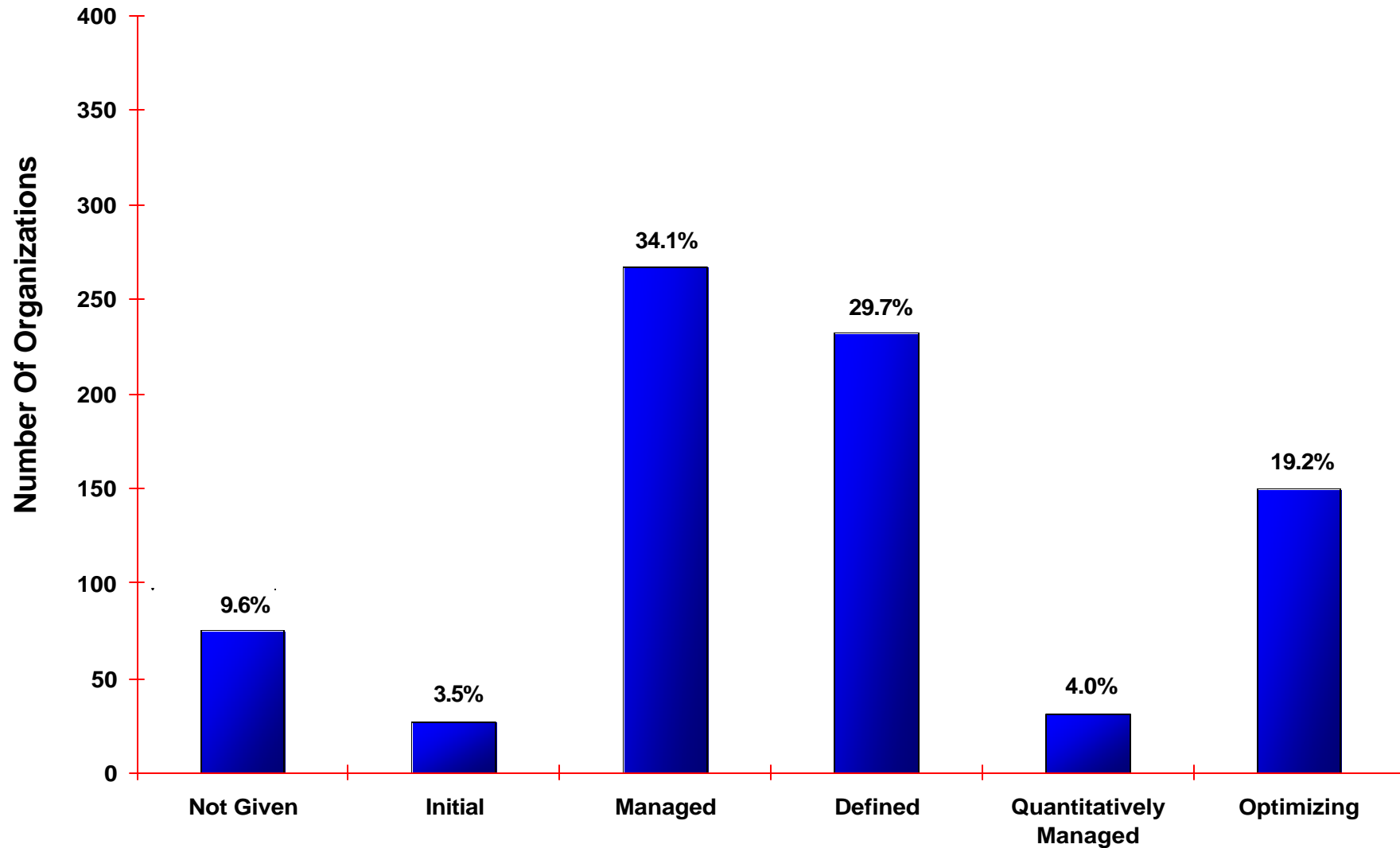
- **868 appraisals**
- **782 organizations**
- **438 participating companies**
- **74 reappraised organizations**
- **3,250 projects**
- **59.0% Non-USA organizations**

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.
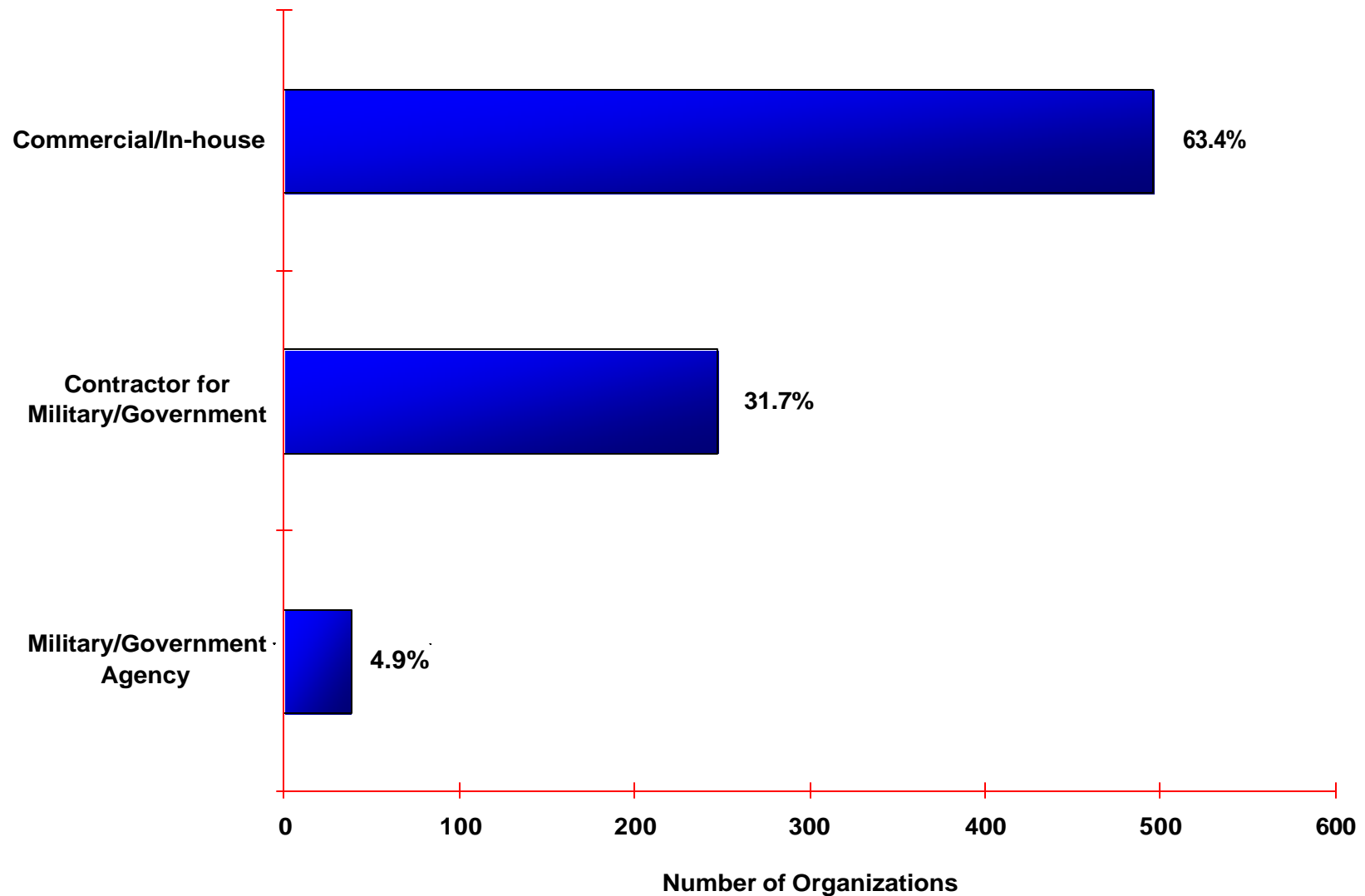
Process Maturity Profile
by All Reporting Organizations

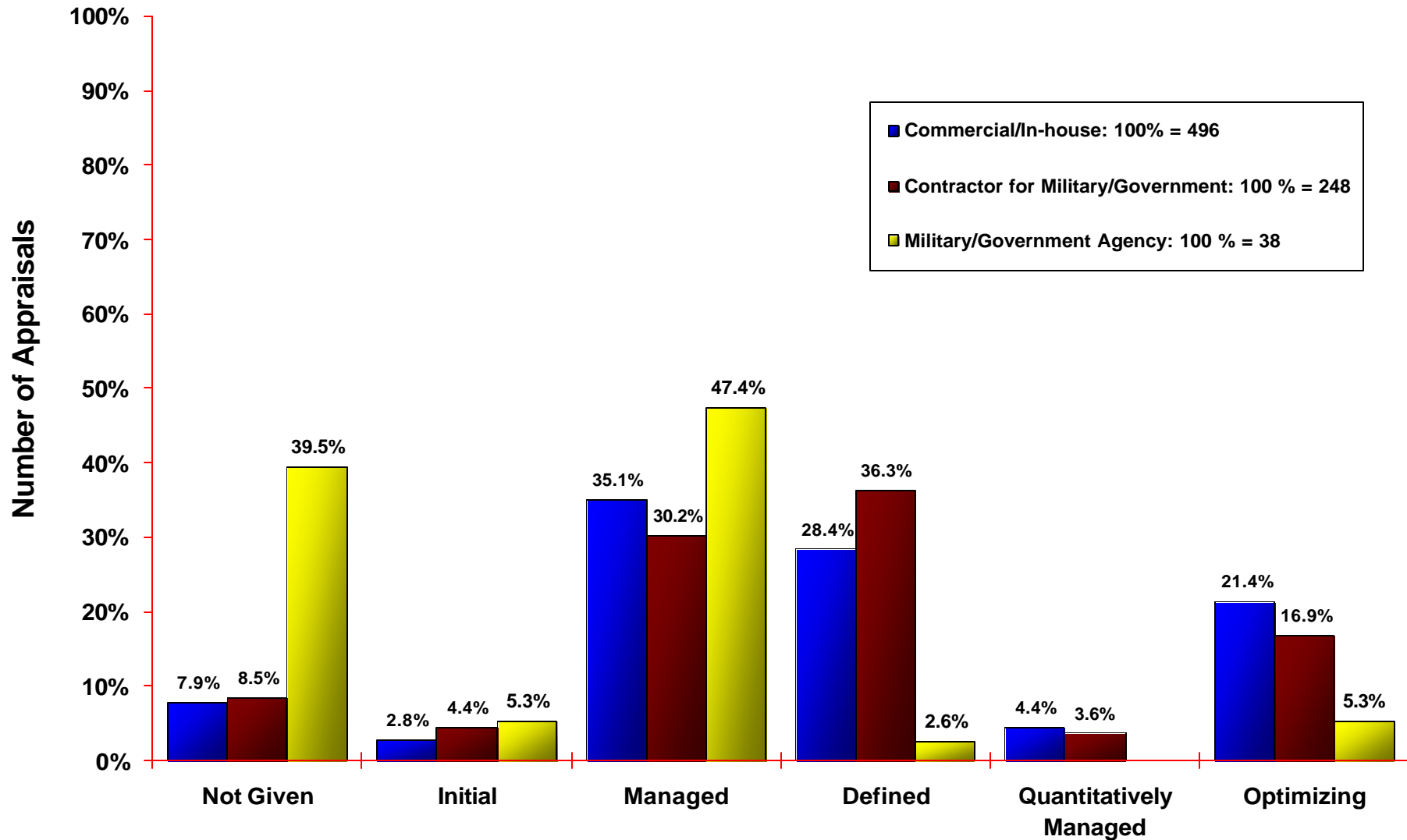Based on most recent appraisal of **782** organizations

Reporting Organizational Categories

Based on **782** organizations

Process Maturity Profile
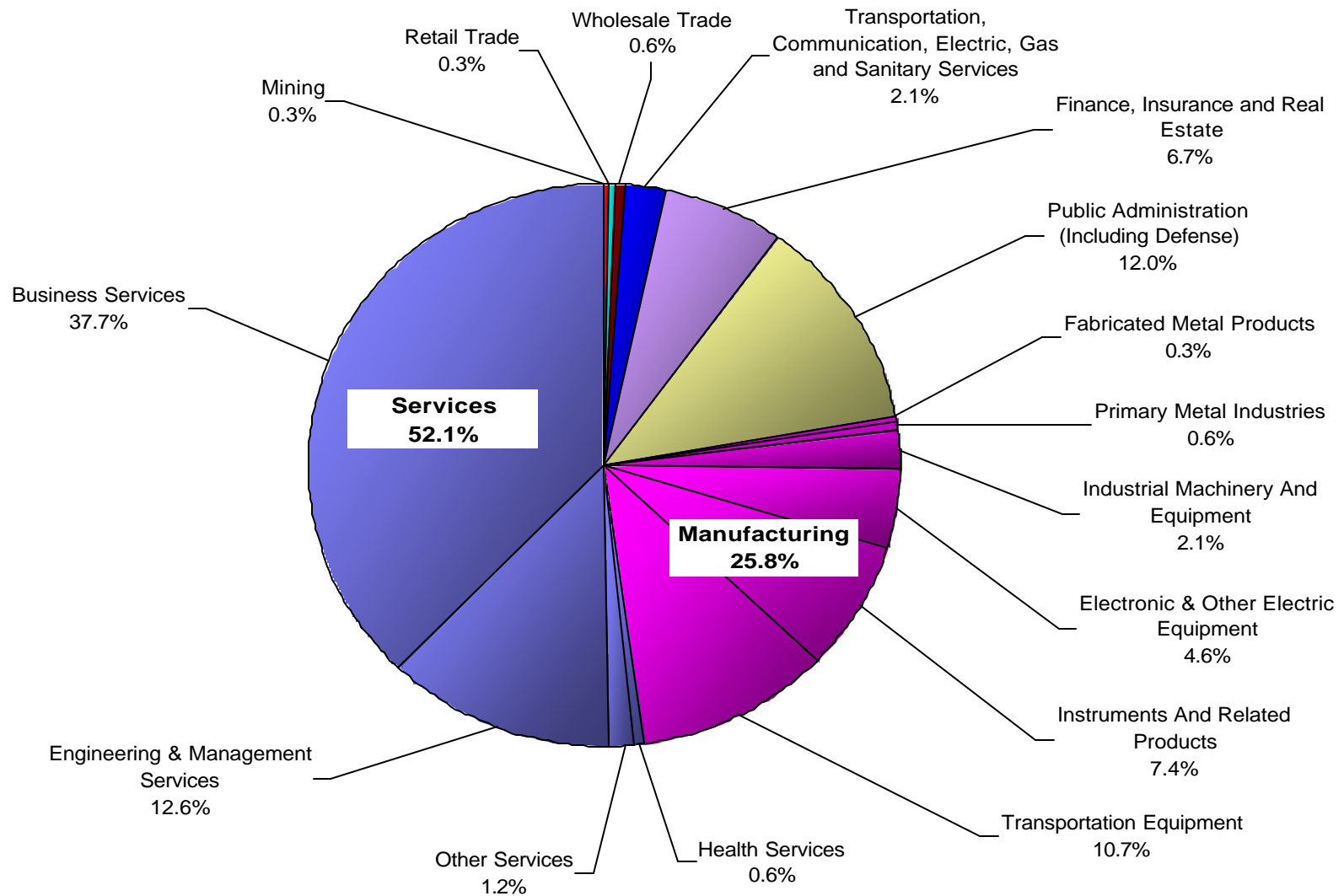# by Reporting Organization Categories

Based on most recent appraisal, of **782** organizations

Organization Type
Based on Primary Standard Industrial Classification (SIC) Code

Retail Trade
0.3%

Wholesale Trade
0.6%

Transportation, Communication, Electric, Gas and Sanitary Services
2.1%

Mining
0.3%

Finance, Insurance and Real Estate
6.7%

Business Services
37.7%

Public Administration (Including Defense)
12.0%

Services
52.1%

Fabricated Metal Products
0.3%

Primary Metal Industries
0.6%

Manufacturing
25.8%

Industrial Machinery And Equipment
2.1%

Electronic & Other Electric Equipment
4.6%

Instruments And Related Products
7.4%

Engineering & Management Services
12.6%

Transportation Equipment
10.7%

Other Services
1.2%

Health Services
0.6%

Based on **326** 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

1001 to 2000
6.9%

2000+
3.4%

25 or fewer
10.2%

501 to 1000
9.4%

201 to 2000+
40.9%

1 to 100
40.5%

26 to 50
12.8%

301 to 500
10.3%

51 to 75
9.3%

101 to 200
18.7%

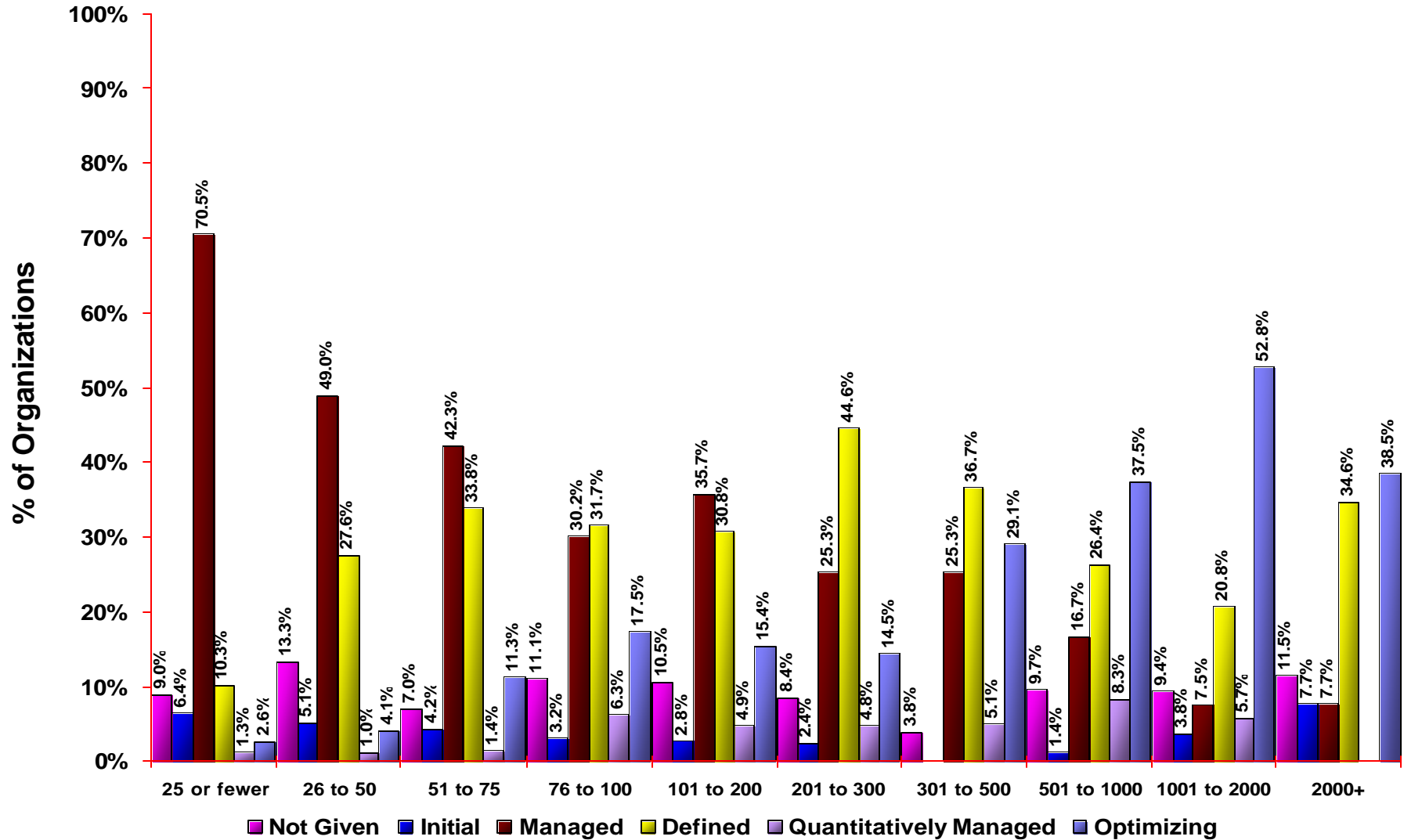**201 to 300**
10.8%

76 to 100
8.2%
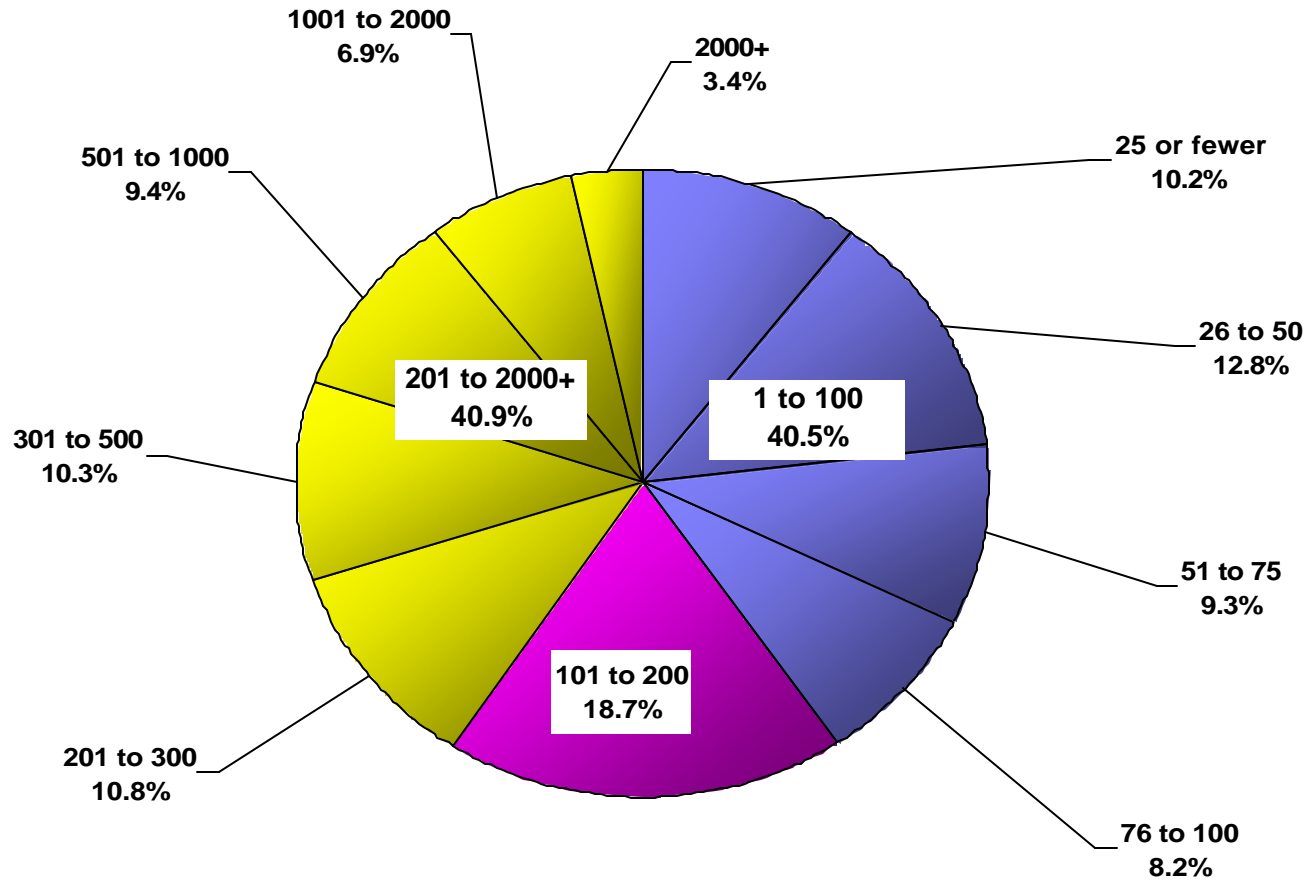
Based on **766** organizations reporting size data

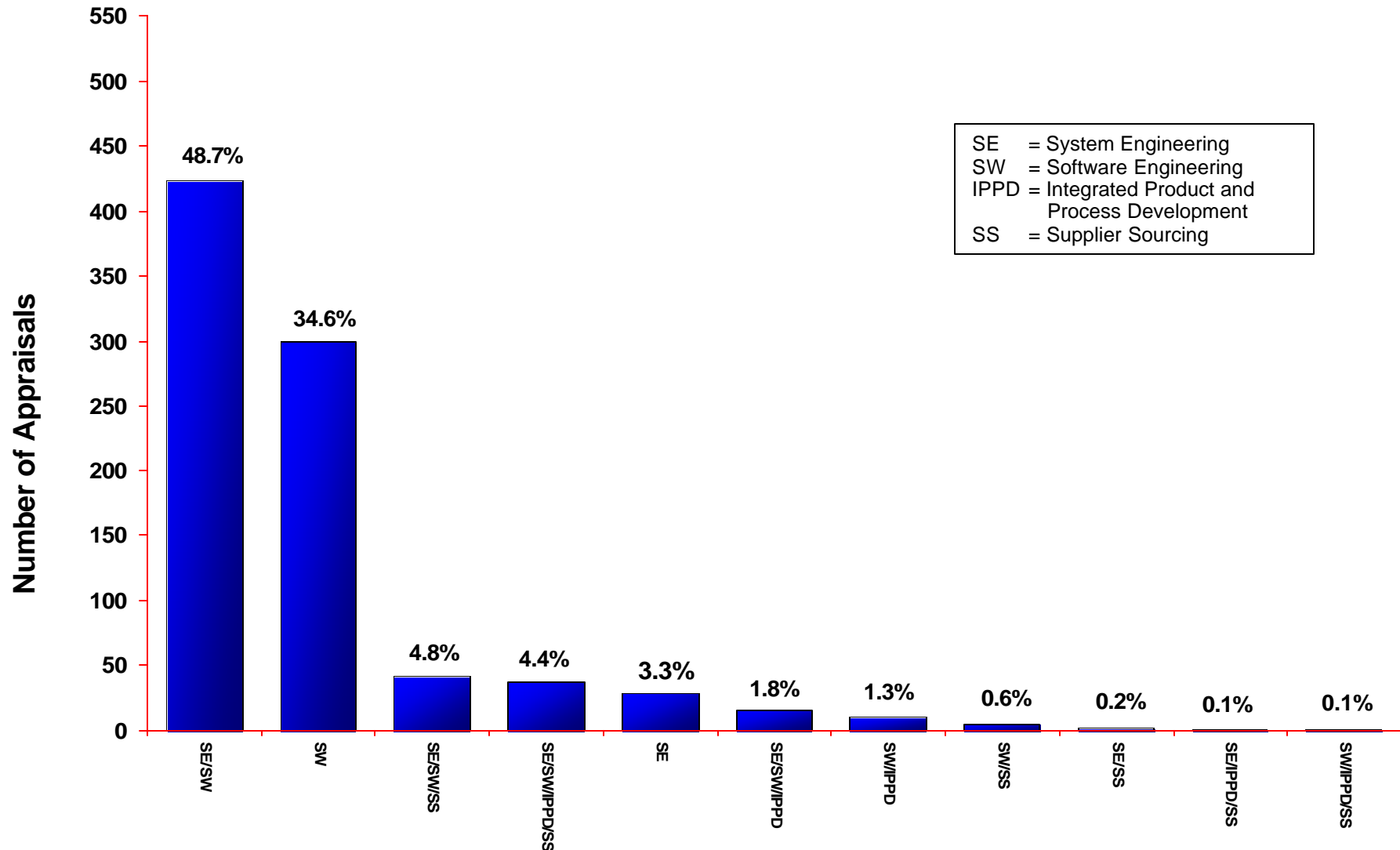# Maturity Profile by Organization Size

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

Based on **766** organizations reporting size data

Disciplines Selected for Appraisals

SE = System Engineering
SW = Software Engineering
IPPD = Integrated Product and
          Process Development
SS = Supplier Sourcing

Based on **868** appraisals

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

Countries where Appraisals have been Performed <u>and</u> Reported to the SEI
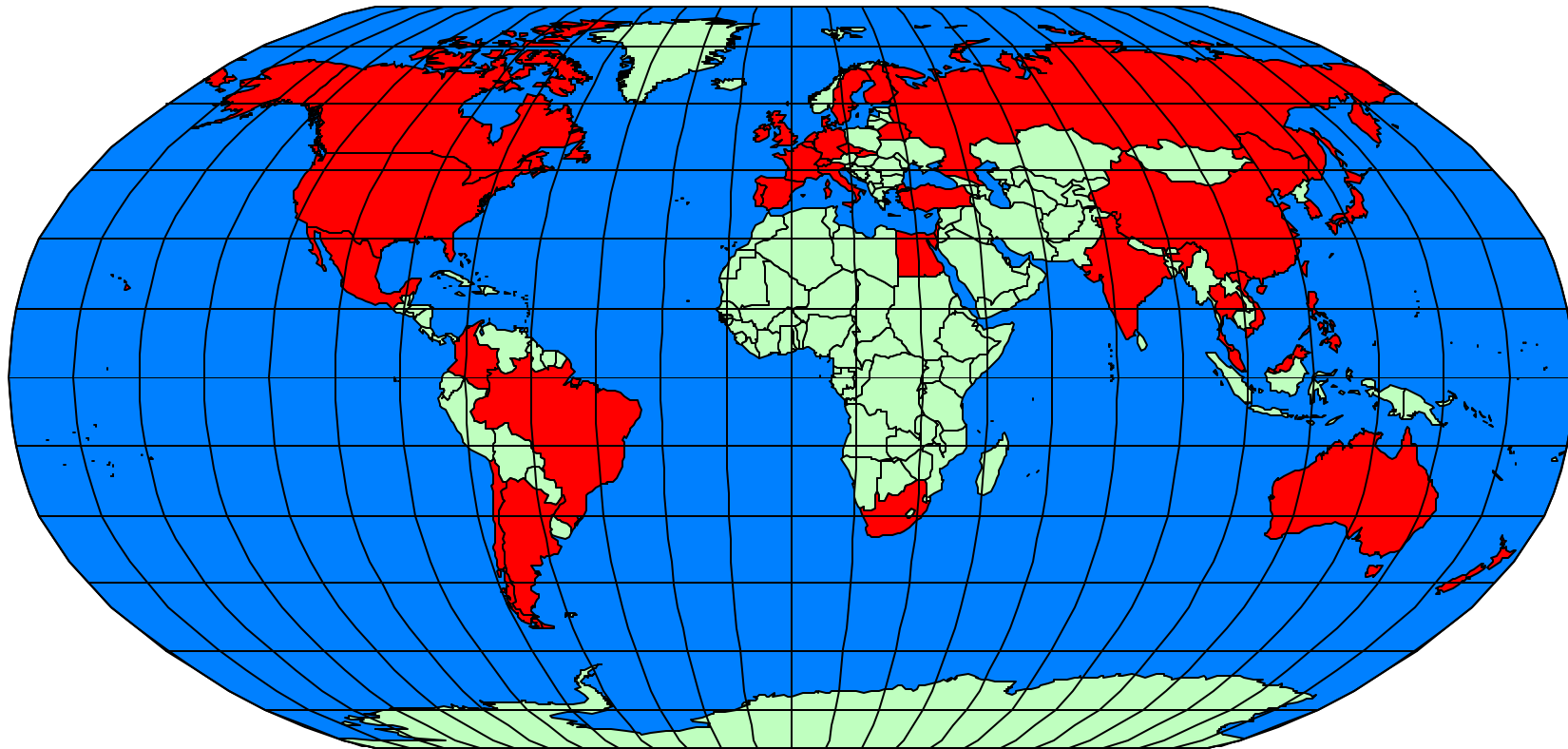
Argentina	**Australia**	**Belarus**	**Belgium**	**Brazil**	**Canada**	**Chile**
China	**Colombia**	**Czech Republic**	**Denmark**	**Egypt**	**Finland**	**France**
Germany	**Hong Kong**	**India**	**Ireland**	**Israel**	**Italy**	**Japan**
Korea, Republic of	**Malaysia**	**Mexico**	**Netherlands**	**New Zealand**	**Philippines**	**Portugal**
Russia	**Singapore**	**Slovakia**	**South Africa**	**Spain**	**Sweden**	**Switzerland**
Taiwan	**Thailand**	**Turkey**	**United Kingdom**	**United States**	**Vietnam**	

Red country name: New additions with this reporting

USA and Non-USA Reporting Organization Categories

Commercial/In-house
91
405

Contractor for Military/Government
193
55

Military/Government Agency
37
1

Legend:
■ USA: 100% = 321
■ Non_USA: 100% = 461

x-axis: 0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
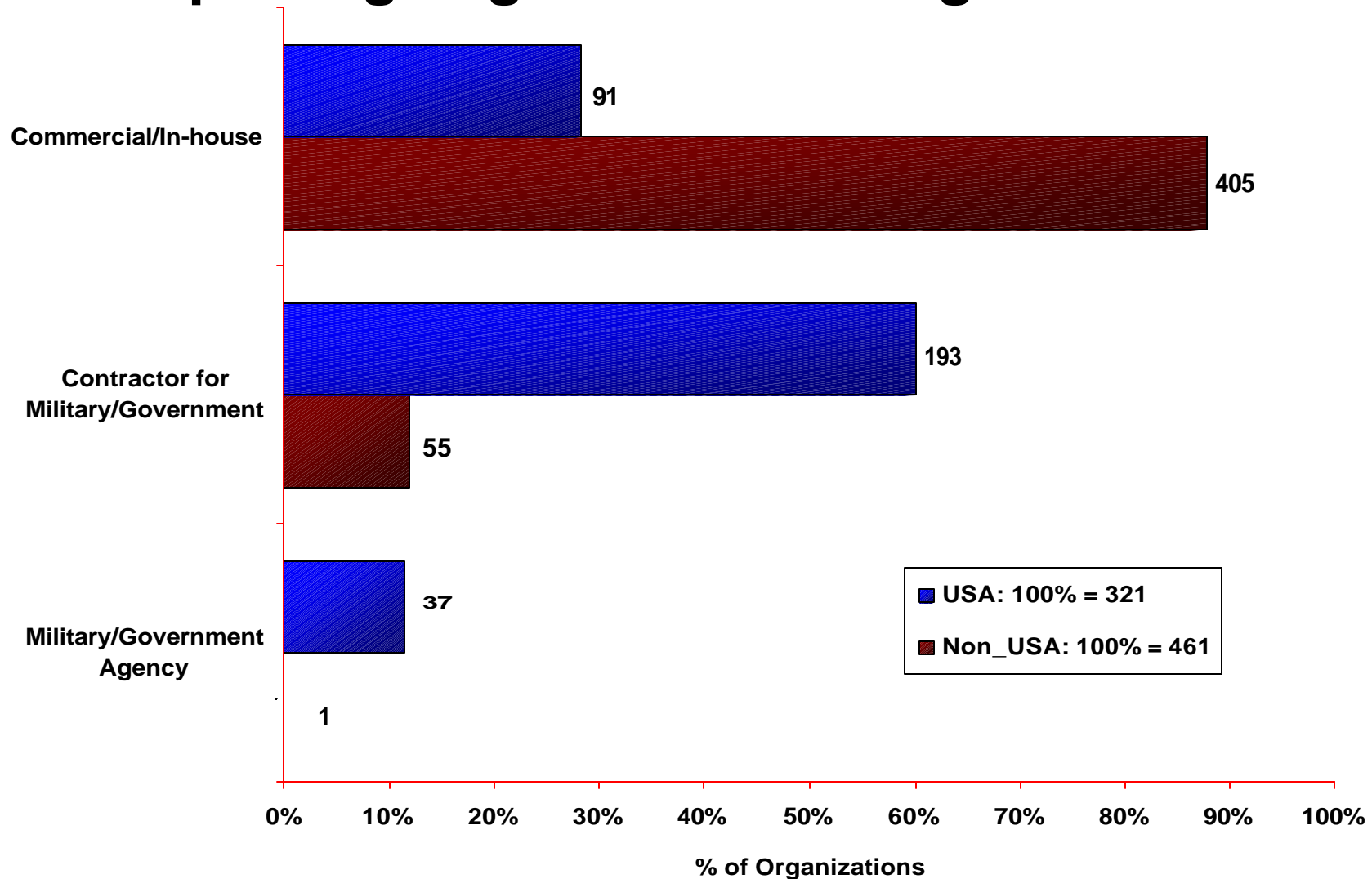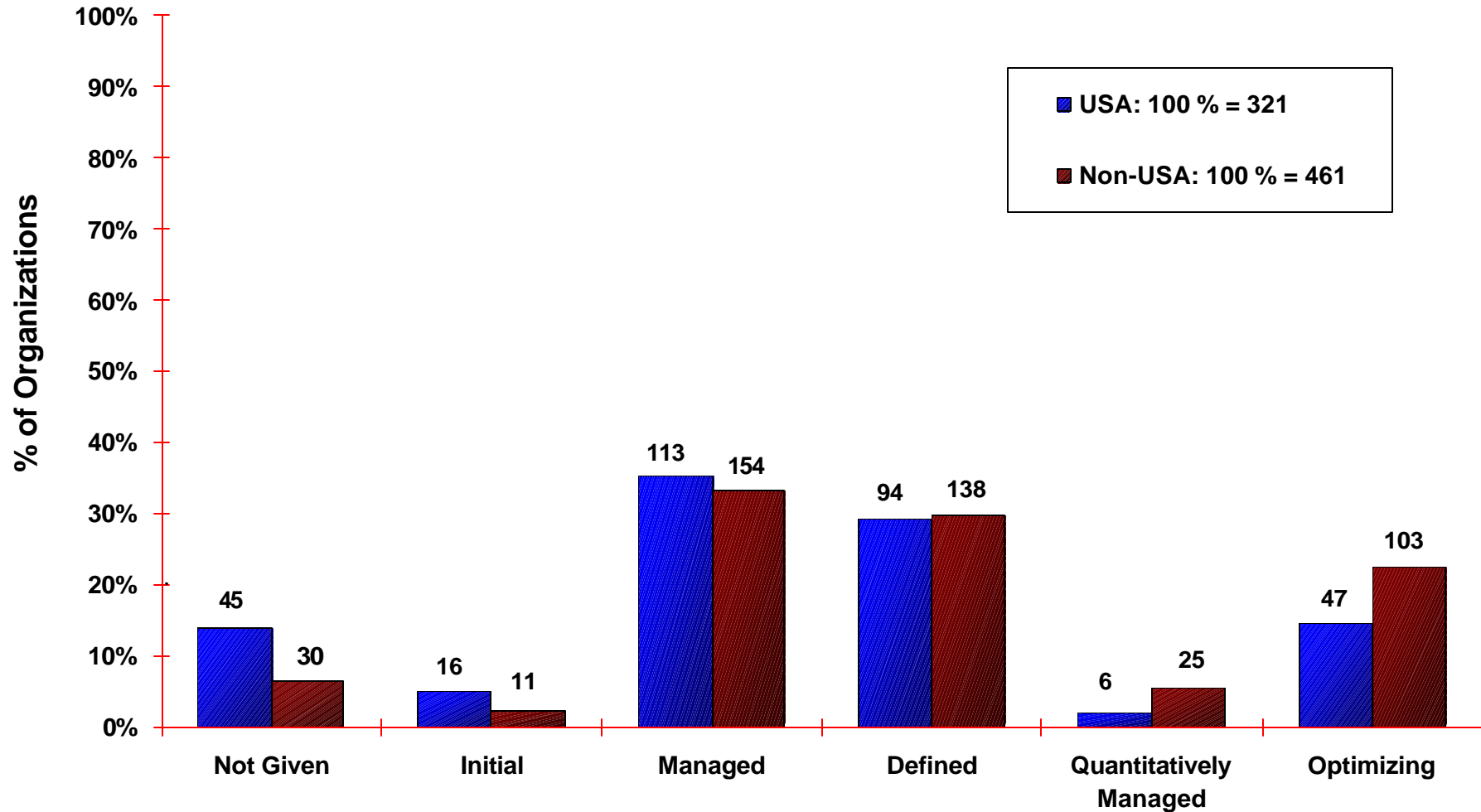
% of Organizations

Based on **321** USA organizations and **461** 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						Korea, Republic of	30	Yes	Yes	Yes	Yes	Yes
Australia	14	Yes	Yes	Yes	Yes	Yes	Malaysia	10 or fewer					
Belarus	10 or fewer						Mexico	10 or fewer					
Belgium	10 or fewer						Netherlands	10 or fewer					
Brazil	10						New Zealand	10 or fewer					
Canada	10 or fewer						Philippines	10 or fewer					
Chile	10 or fewer						Portugal	10 or fewer					
China	62	Yes	Yes	Yes	Yes	Yes	Russia	10 or fewer					
Colombia	10 or fewer						Singapore	10 or fewer					
Czech Republic	10 or fewer						Slovakia	10 or fewer					
Denmark	10 or fewer						South Africa	10 or fewer					
Egypt	10 or fewer						Spain	10 or fewer					
Finland	10 or fewer						Sweden	10 or fewer					
France	26	Yes	Yes	Yes	No	Yes	Switzerland	10 or fewer					
Germany	16	Yes	Yes	Yes	No	Yes	Taiwan	18	No	Yes	Yes	No	No
Hong Kong	10 or fewer						Thailand	10 or fewer					
India	104	No	Yes	Yes	Yes	Yes	Turkey	10 or fewer					
Ireland	10 or fewer						United Kingdom	29	Yes	Yes	Yes	Yes	No
Israel	10 or fewer						United States	365	Yes	Yes	Yes	Yes	Yes
Italy	10 or fewer						Vietnam	10 or fewer					
Japan	100	Yes	Yes	Yes	Yes	Yes							

Process Area Profiles - 1
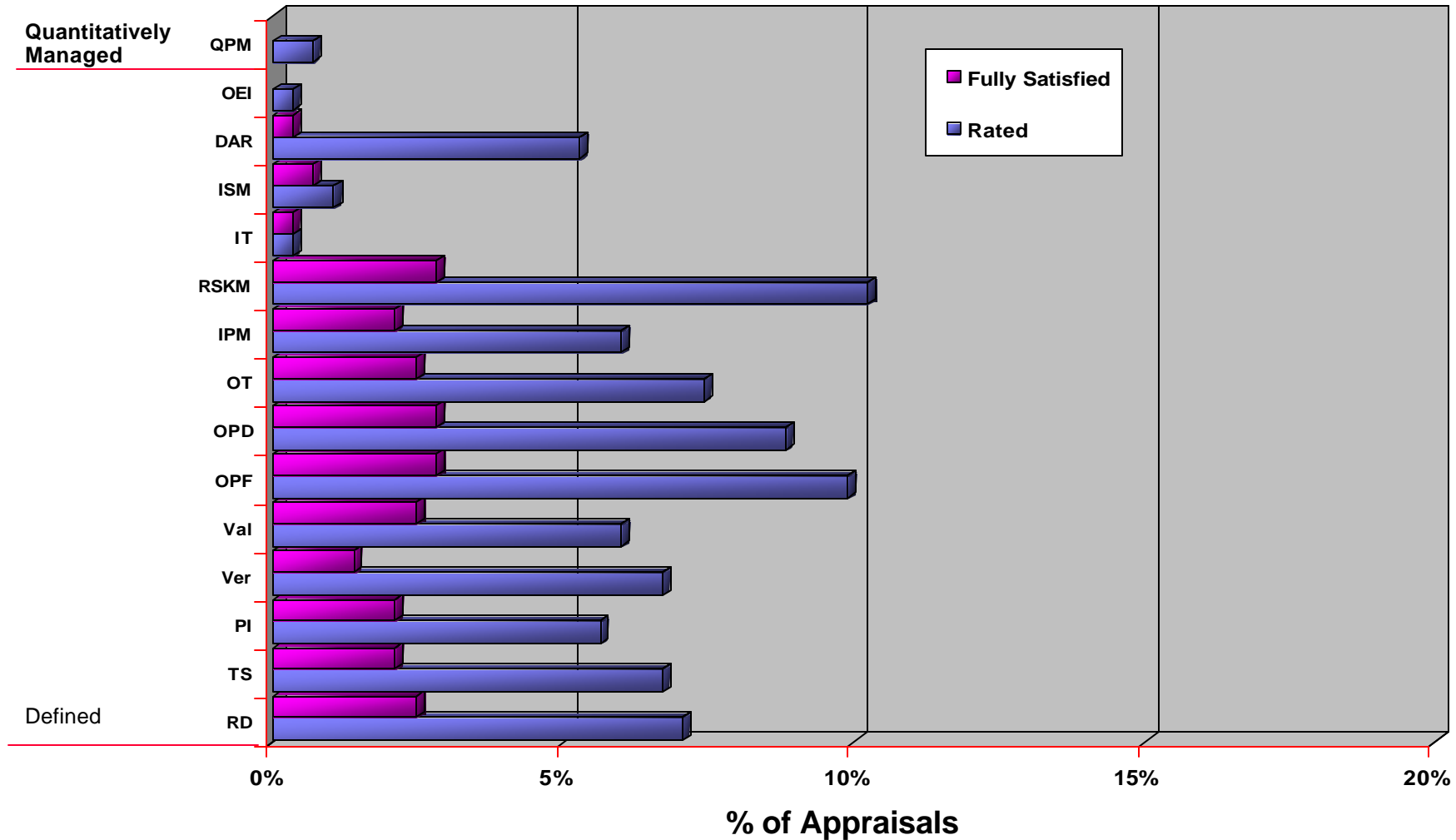# Organizations Appraised at Maturity Level 1
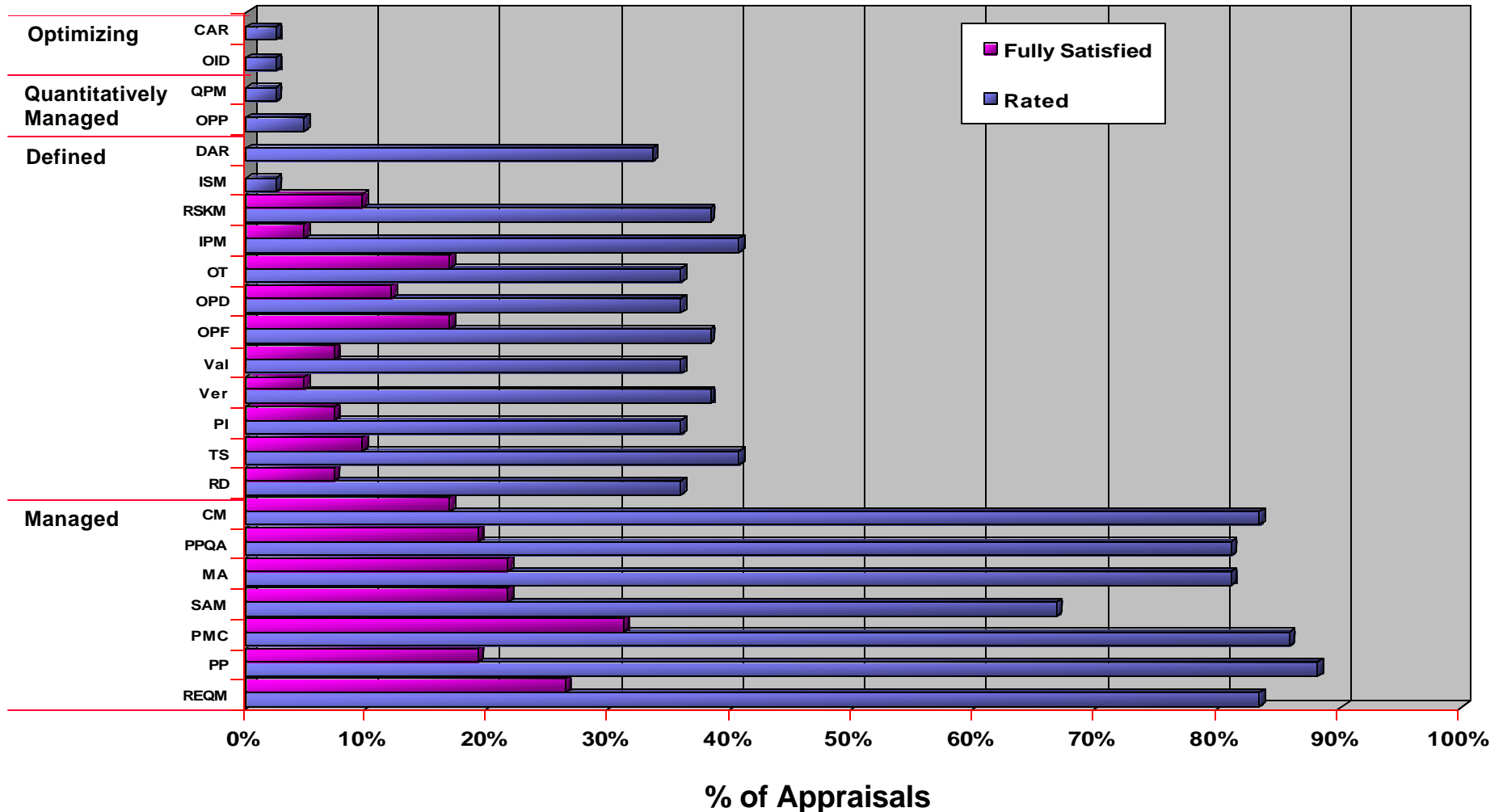
Based on **42** appraisals reporting a maturity level 1 rating

Process Area Profiles - 2
Organizations Appraised at Maturity Level 2

Based on **283** appraisals reporting a maturity level 2 rating

Summary

868 appraisals have been reported to the SEI in 40 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/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:

SEI Customer Relations	**(412) 268-5800**
SEI FAX number	**(412) 268-5758**

Internet Address
  customer-relations@sei.cmu.edu

Mailing Address
  Customer Relations
  Software Engineering Institute
  Carnegie Mellon University
  Pittsburgh, PA 15213-3890