OIT Governor's Office of Information Technology

## STATE OF COLORADO

# OIT CUSTOMER SATISFACTION SURVEY

INFORMATION TECHNOLOGY SERVICES: BASELINE SERVICE DELIVERY SURVEY RESULTS—FISCAL YEAR 2009-2010

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#### INTRODUCTION

The Governor's Office of Information Technology (OIT) has been operating and delivering technology services and innovation across 17 Executive Branch agencies per Senate Bill 08-155, which transferred all Information Technology (IT) functions to OIT, effective July 1, 2008.

A priority within OIT is the development of a consistent service delivery philosophy across all Executive Branch agencies. Part of this philosophy involves the development of Service Level Agreements with each agency and measuring the satisfaction of the existing technology service delivery. An essential first-step in the Project Charter for the LOB Services band is to determine baseline "service delivery" expectations and requirements by and between the Executive Branch Agencies and OIT.

#### PROJECT DESCRIPTION

The Agency Services organization within OIT is responsible for the service delivery of all enterprise and "line-of-business" systems and applications. Agency Services management initiated a Customer Satisfaction Survey that addresses many facets of technology service delivery. The Executive Branch agencies invited to participate in the baseline study included the Colorado Historical Society, the Departments of Agriculture, Corrections, Health Care Policy & Financing, Human Services, Labor & Employment, Local Affairs, Military & Veterans Affairs, Natural Resources, Personnel & Administration, Public Health and Environment, Public Safety, Regulatory Agencies, Revenue, Transportation, and the Governor's Offices of Economic Development and Energy.

#### METHODOLOGY

The Governor's Office of Information Technology Agency Services contacted the author of this report regarding the research project in April 2010. Work ensued over the next two months to clarify the main purposes of the study and the survey objectives, identify the target populations and specify inclusion and exclusion criteria, develop and pilot the survey instrument, and determine a survey method that would work well for the purposes of the research.

#### TYPE OF STUDY

The Governor's Office of Information Technology LOB Services decided to implement the baseline study by targeting populations, not samples, within each agency. Each Agency's Chief Information Officer identified survey participants. Members of the targeted populations included staff in non-supervisory, supervisory and managerial positions.

#### RESEARCH PURPOSE, OBJECTIVES & INSTRUMENTATION

The Governor's Office of Information Technology, in coordination with the Colorado Department of Regulatory Agencies (DORA), Division of Registrations—Office of Examination Services, conducted the *Information Technology Services: Baseline Service Delivery Survey (IT Services Satisfaction Survey)* inquiry to determine baseline service delivery metrics for each Agency's pre-consolidation IT Services Group offerings for the 2009-2010 fiscal year.

The *ITS Services Satisfaction Survey* study aimed to measure opinions about service quality in each of the following categories as they relate to the business functions of the agencies:

- 1. Helpdesk Support Services
- 2. Hardware and Software: Equipment, Applications & Support
- 3. Information systems: Network Services & Operations
- 4. Intranet Services
- 5. Electronic Mail & Calendaring Services
- 6. Telephone and Voice Services

Opinions about service offerings were collected using Likert opinion scales representing a 1-5 continuum, with 1 indicating "not at all satisfied with a service", and 5 signifying "very satisfied". There were no neutral options. Respondents were instructed to select a "Cannot Evaluate" response option for any service in which they were not familiar enough to rate their level of satisfaction. The survey instrument is provided in Appendix A.

#### PROCEDURE

Members of each agency's targeted population received an e-mail describing the survey goals, requesting their participation in the study and providing them a link to take the *IT Services Satisfaction Survey*. Individuals were instructed to complete the survey in one sitting (i.e., to not exit the survey until completing it). All respondents were completely anonymous. The survey was developed and administered using Vovici Online Survey Software solutions (<u>http://www.vovici.com/</u>).

#### RECEIPT & TREATMENT OF THE DATA

The *IT Services Satisfaction Survey* was posted from July 1, 2010 through July 30, 2010. Survey responses were exported and analyzed using IBM PASW SPSS Statistics Software, version 18.0.2 (<u>http://www.spss.com/</u>). Results from the SPSS analyses were exported and graphed using Microsoft<sup>®</sup> Office Excel<sup>®</sup> 2007. Various checks were performed to ensure that the data were read accurately.

Respondents were required to answer each item in the *IT Services Satisfaction Survey*. The software, however, could not prevent individuals from closing their browser session once they began the survey. A total of 628 responses were received on the first three questions, which asked participants to indicate state agency, type of position and the percentage of their job that required them to use Information Technology Systems and Services. Forty respondents (6.4%) did not complete the remaining survey questions after answering Q1–Q3.

The number of total employees, targeted survey population, respondents and response rate for individuals who responded to at least Q1–Q3 of the *IT Services Satisfaction Survey* are summarized in Table 1. The actual numbers of respondents by agency are provided throughout this report to assist the reader in noting the presence of relatively large or small numbers of respondents. The reader should

exercise caution to not "over-interpret" information based on relatively few numbers of respondents as such data are likely to be unstable estimates of the opinions of their respective agency.

Agency	ency Total N Targeted N Responses		Responses	%Response
Historical Society	120	15	8	53%
Agriculture	250	240	75	31%
Corrections	6500	—	0	0%
HCPF	225	50	23	46%
Human Services	5500	60	21	35%
Labor & Employment	1400	10	8	80%
Local Affairs	207	200	72	36%
Military Affairs	45	43	25	58%
Natural Resources	1550	1485	221	15%
Personnel & Admin.	—	—	51	_
Public Health & Envt.	1550	1485	25	2%
Public Safety	1230	30	8	27%
Regulatory Agencies	600	97	85	88%
Revenue	1550	_	0	0%
Transportation	3300	_	3	_
Governor's Office	_	—	3	_
Total	24,027	3,715	628	17%

### RESULTS

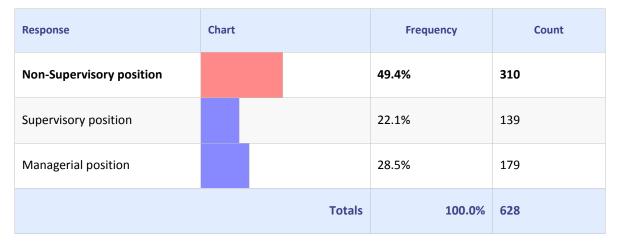
#### Q1: SURVEY RESPONDENTS BY AGENCY

#### (Respondents could only choose a single response)

Response	Chart	Frequency	Count
Colorado Historical Society		1.3%	8
Department of Agriculture		11.9%	75
Department of Corrections		0.0%	0
Department of Health Care Policy and Financing		3.7%	23
Department of Human Services		3.3%	21
Department of Labor & Employment		1.3%	8
Department of Local Affairs		11.5%	72
Department of Military & Veterans Affairs		4.0%	25
Department of Natural Resources		35.2%	221
Department of Personnel & Administration		8.1%	51
Department of Public Health and Environment		4.0%	25
Department of Public Safety		1.3%	8
Department of Regulatory Agencies		13.5%	85
Department of Revenue		0.0%	0
Department of Transportation		0.5%	3
Governor's Office		0.5%	3
	Totals	100.0%	628

#### Q2: CURRENT POSITION WITH STATE

(Respondents could only choose a single response)

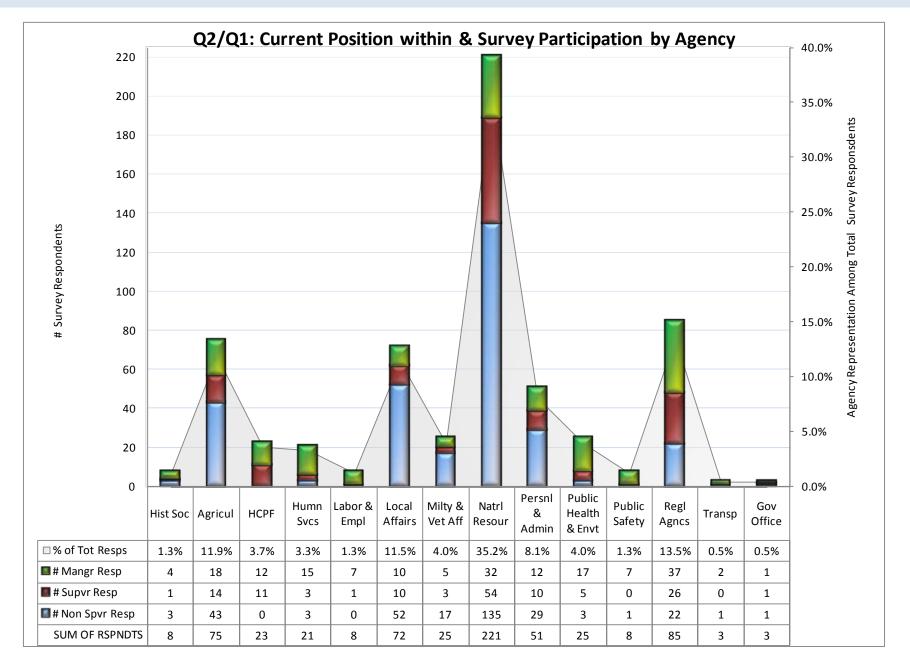


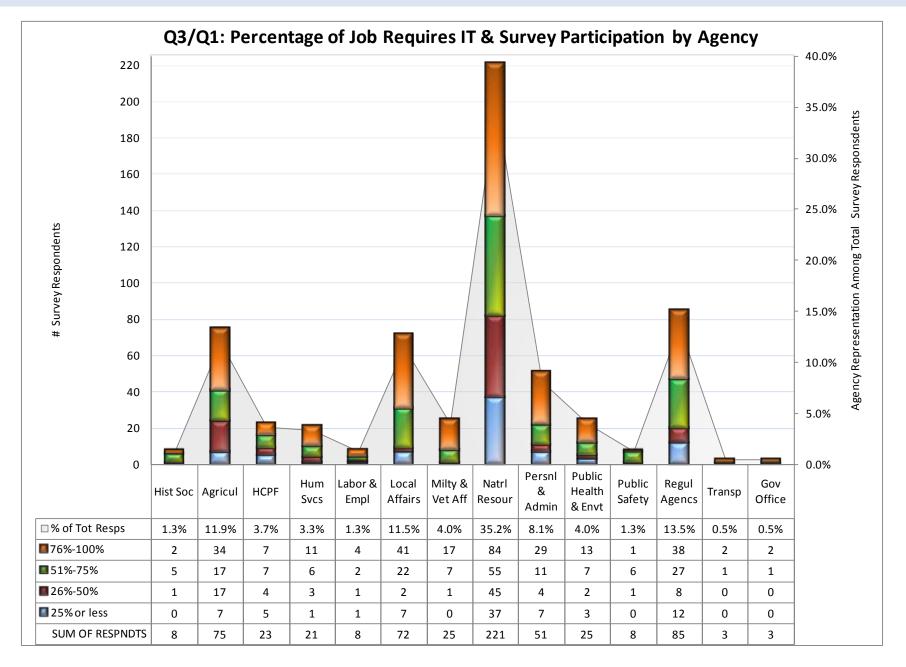
#### Q3: PERCENTAGE OF JOB REQUIRING USE OF IT SYSTEMS & SERVICES

Response	Chart	Frequency	Count
25% of the time or less		12.7%	80
26%-50% of the time		14.2%	89
51%-75% of the time		27.7%	174
76%-100% of the time		45.4%	285
	Totals	100.0%	628

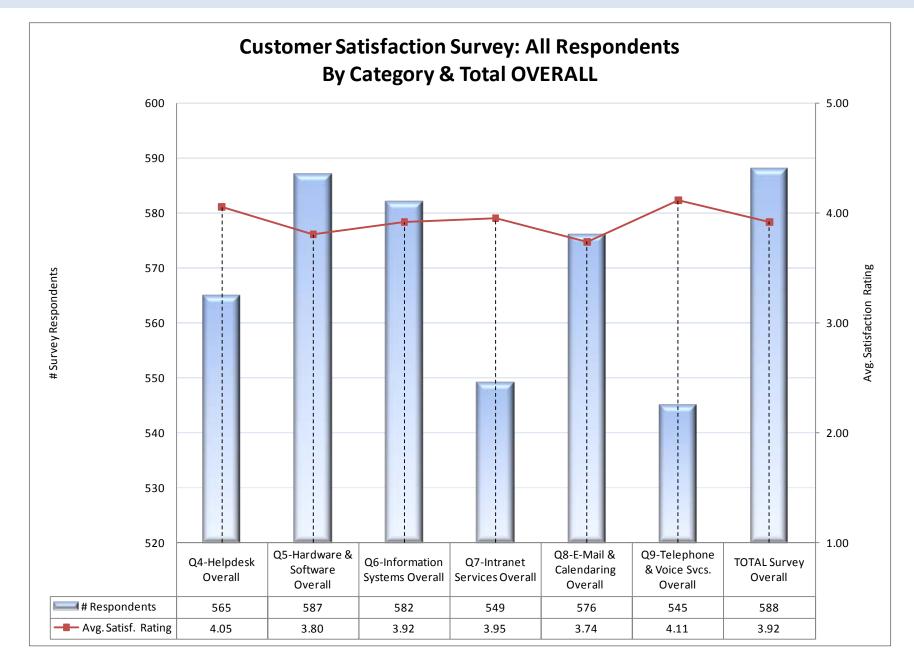
(Respondents could only choose a single response)

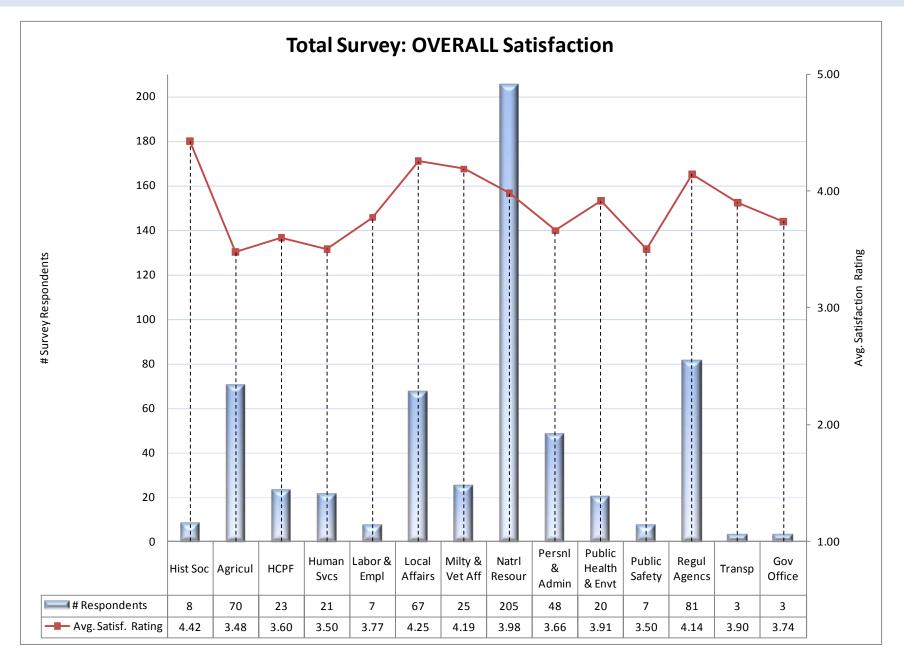
#### Q2 BY Q1: CURRENT POSITION BY AGENCY SURVEY PARTICIPATION

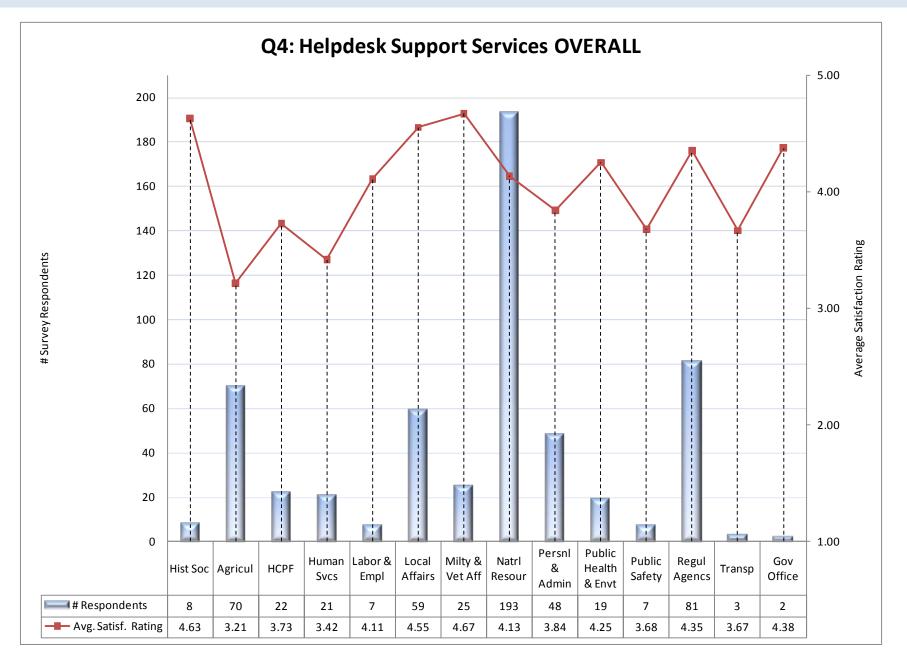


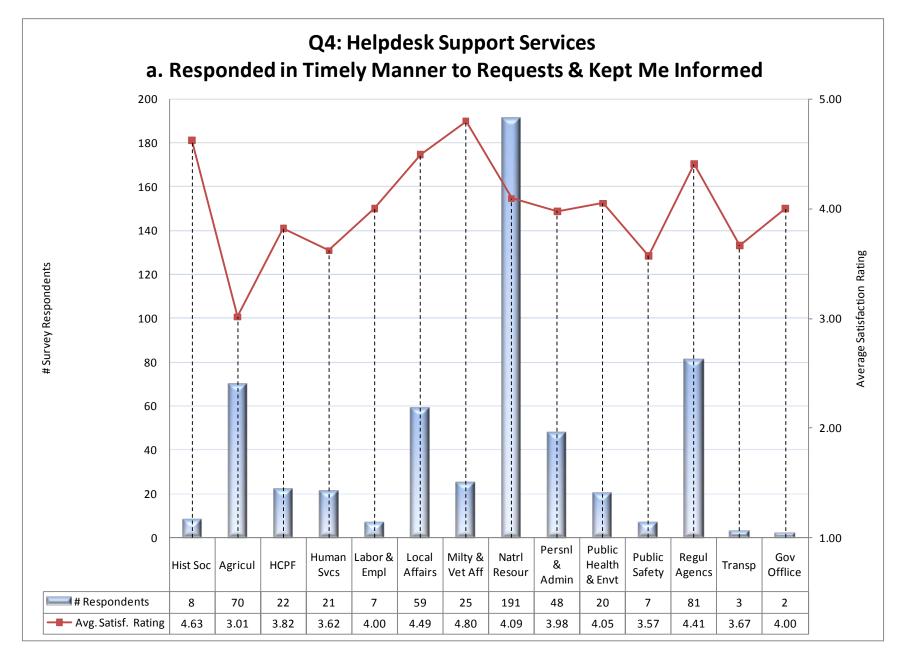


#### TOTAL SURVEY: OVERALL SATISFACTION BY SURVEY CATEGORY

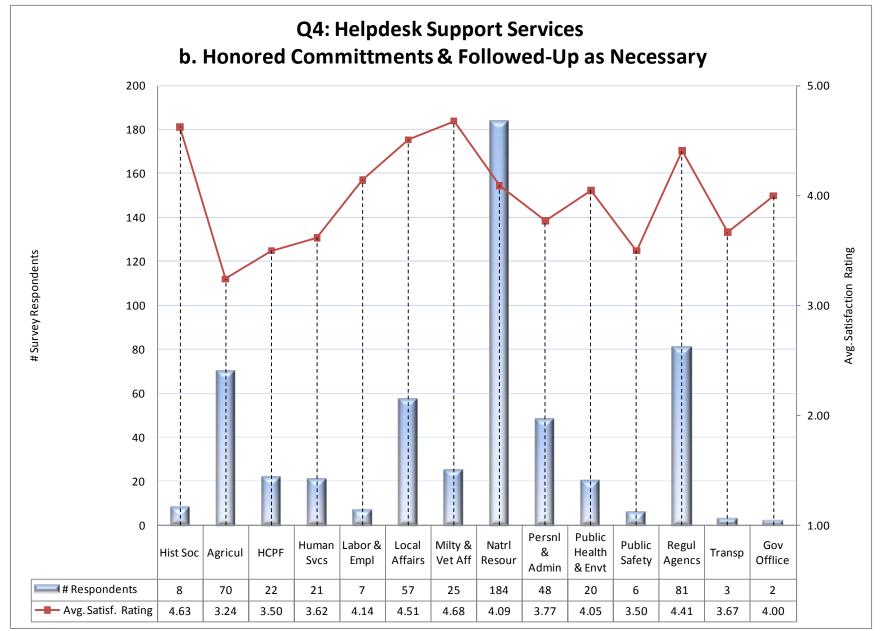




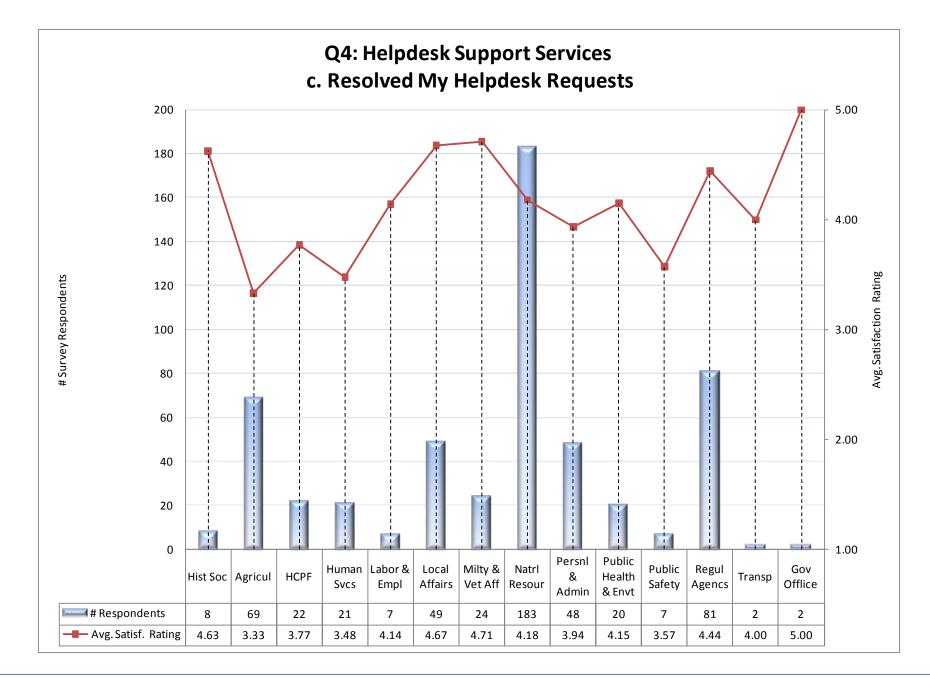




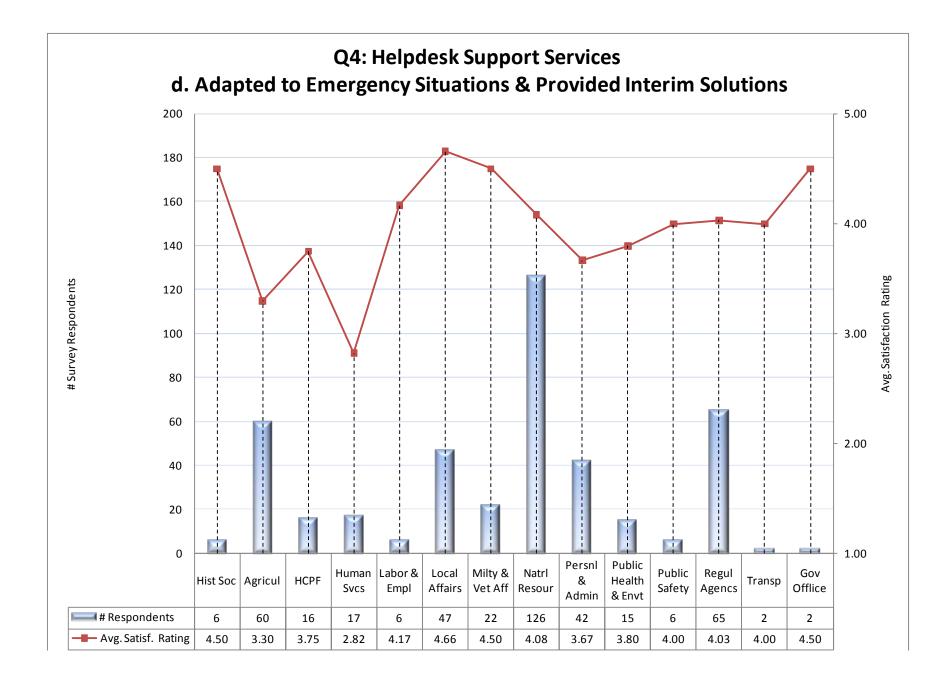
Q4-B: HELPDESK SUPPORT SERVICES-HONORED COMMITMENTS & FOLLOWED-UP

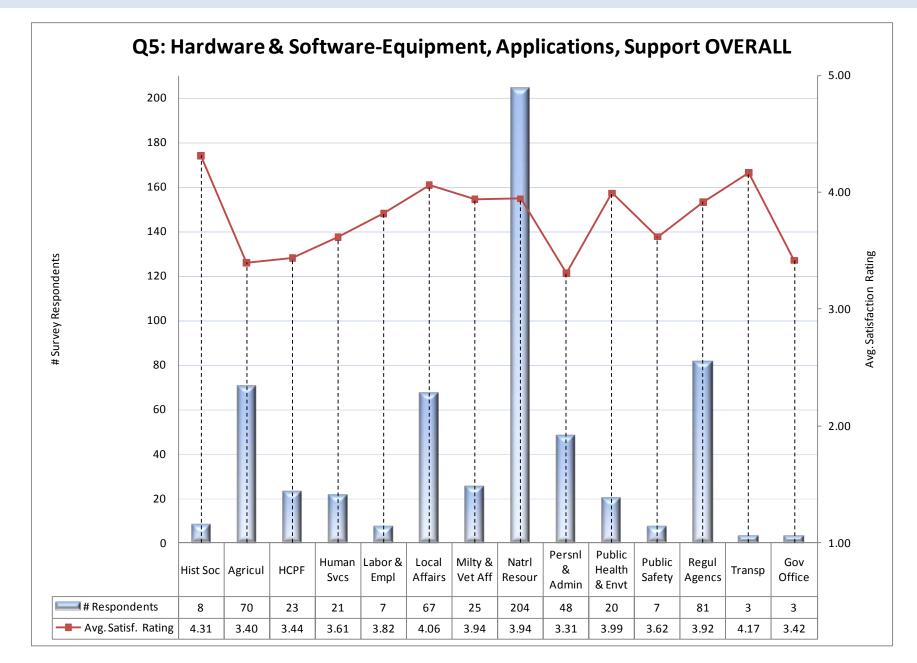


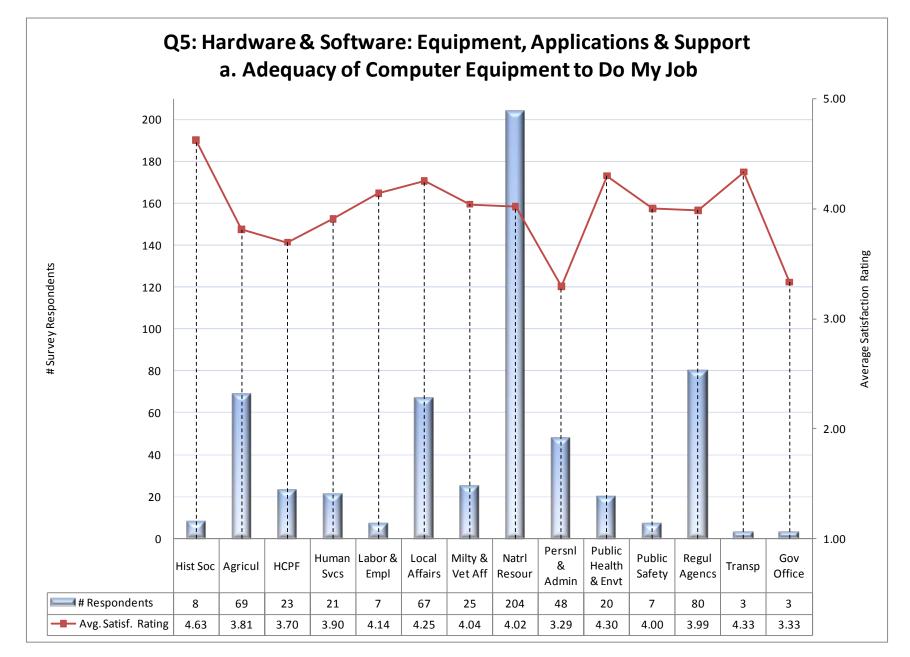
Q4-C: HELPDESK SUPPORT SERVICES-RESOLVED REQUESTS

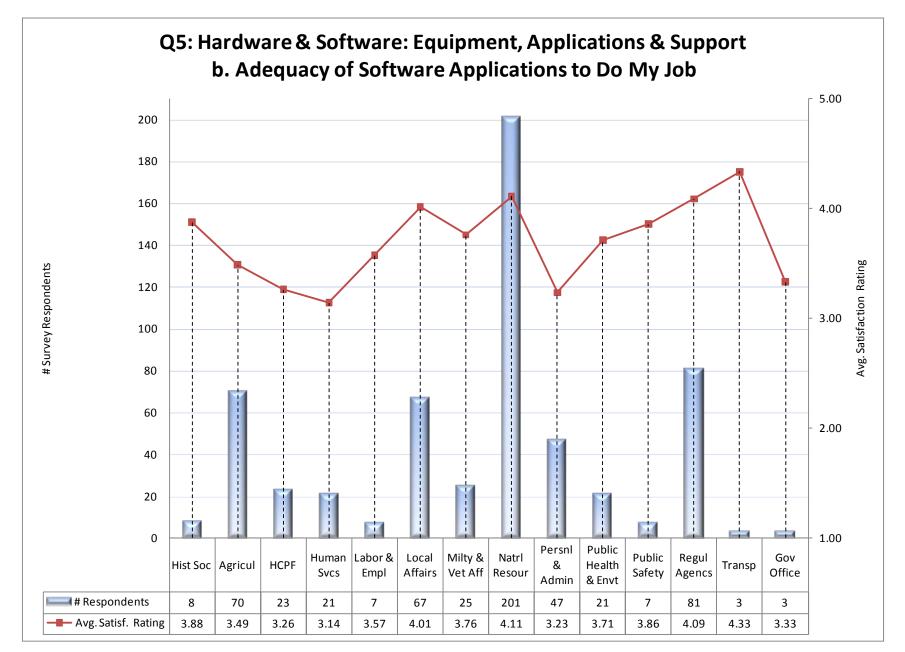


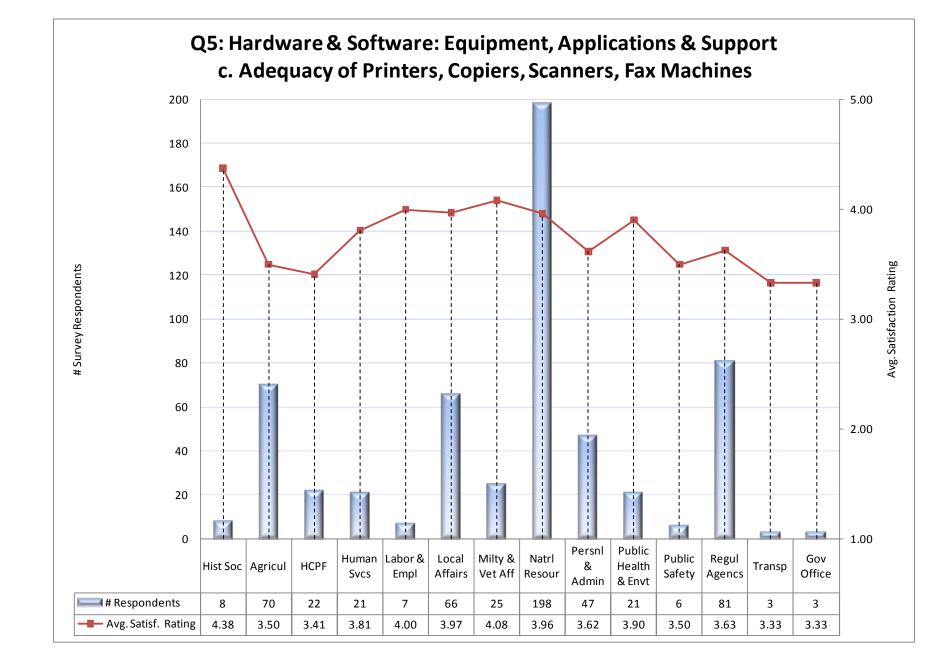
Q4-D: HELPDESK SUPPORT SERVICES-EMERGENCY SITUATIONS & INTERIM SOLUTIONS

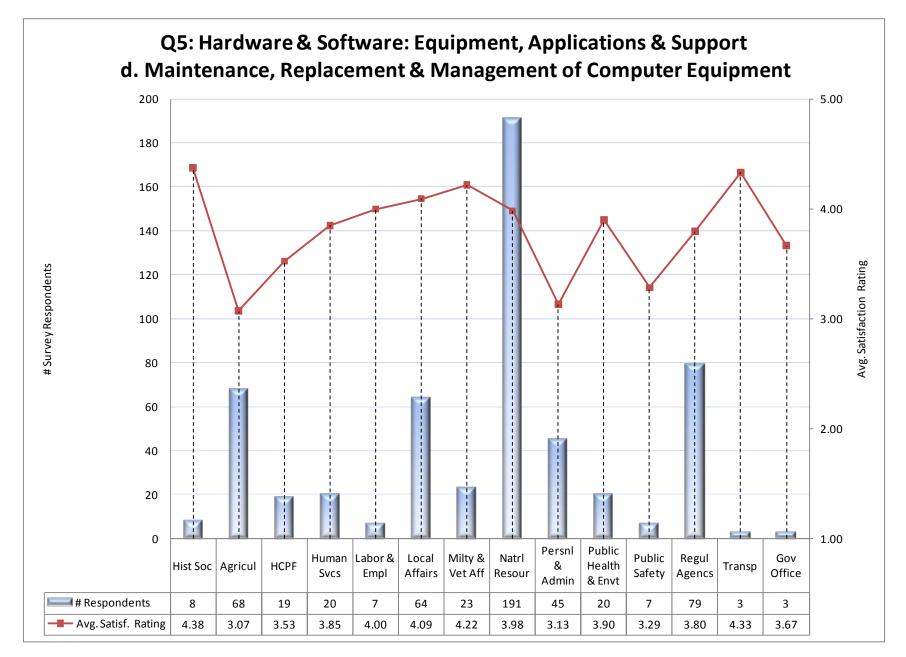


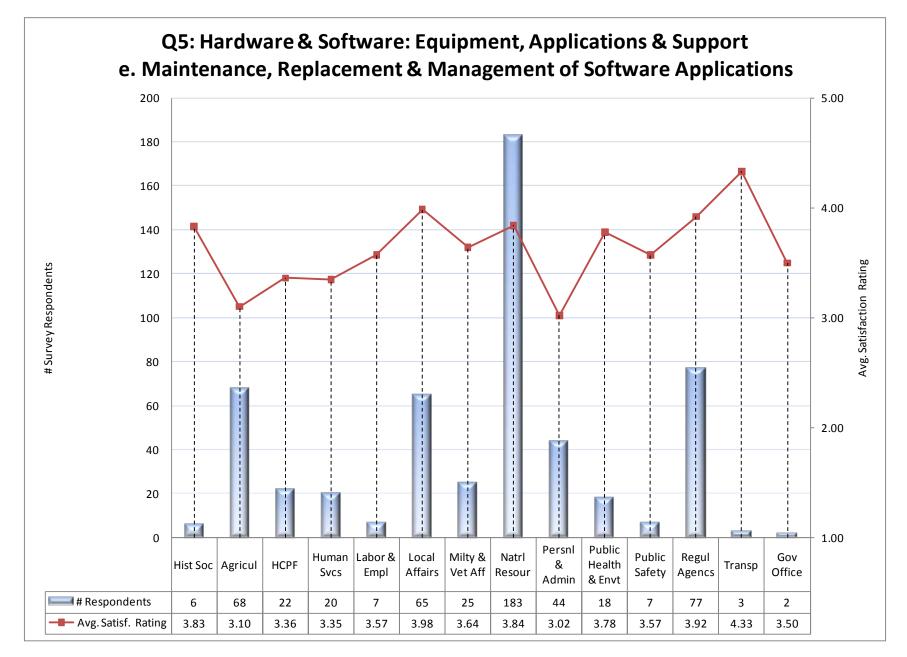


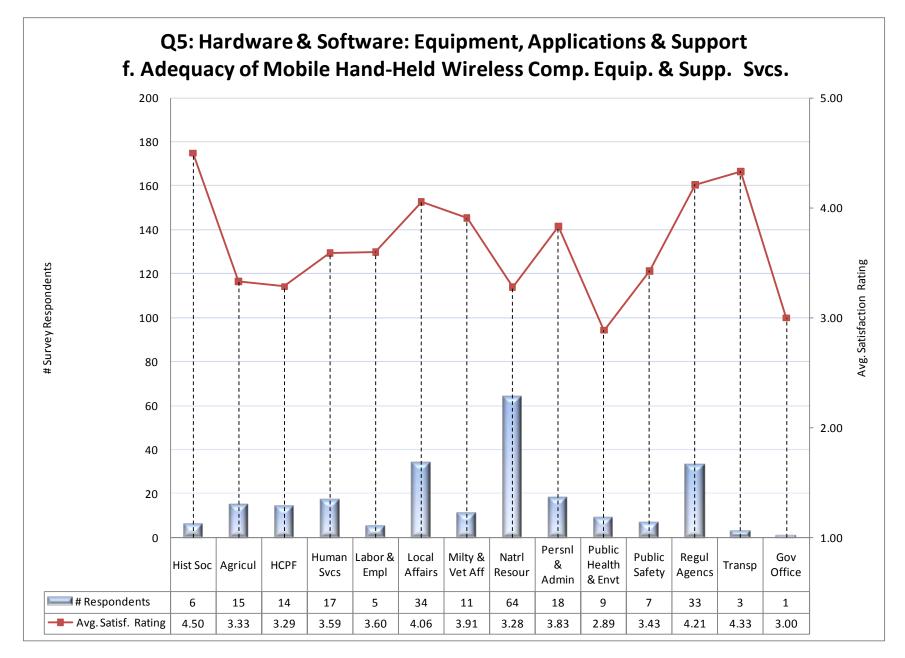


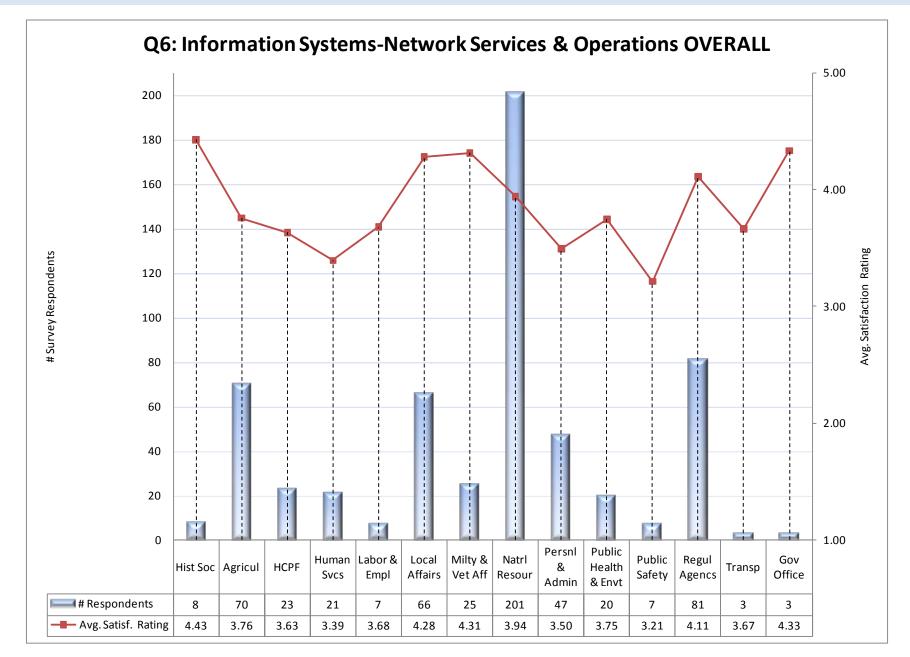


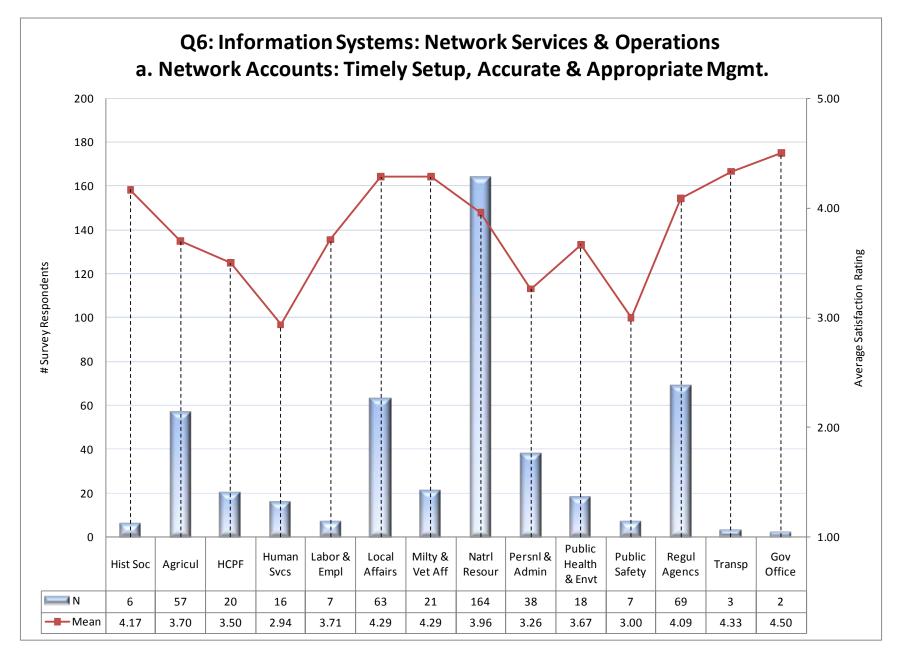


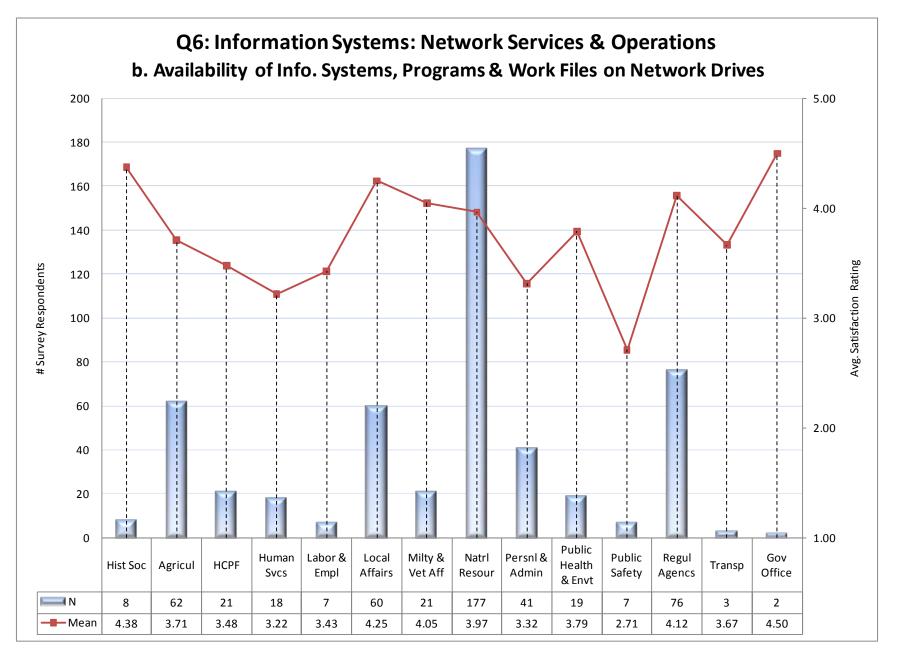


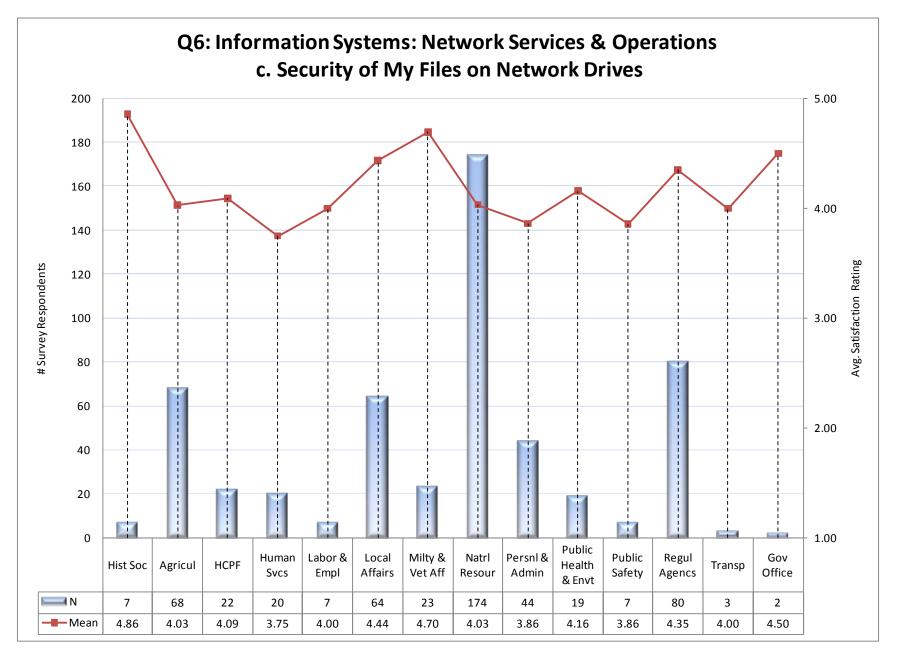


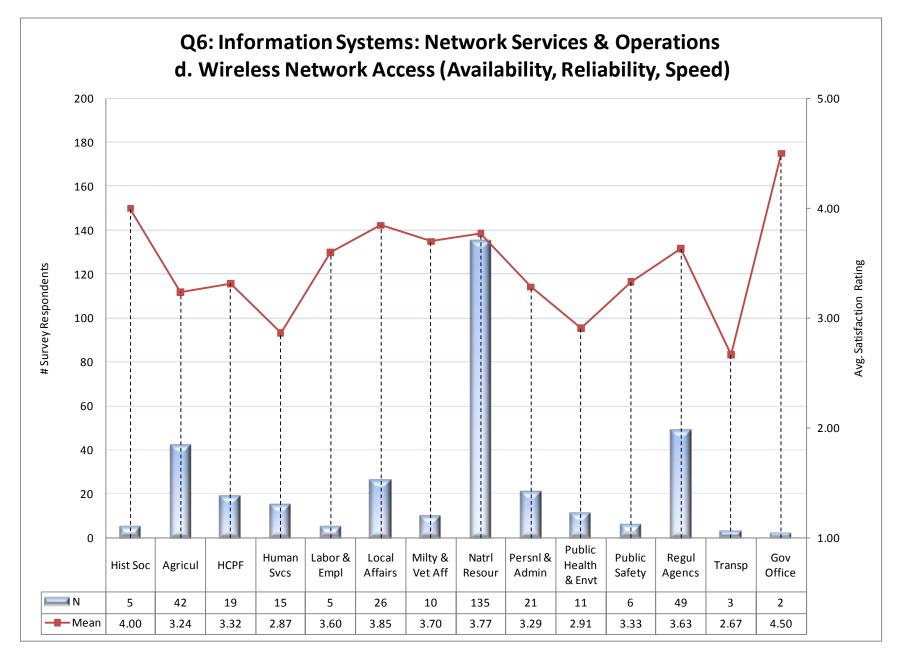




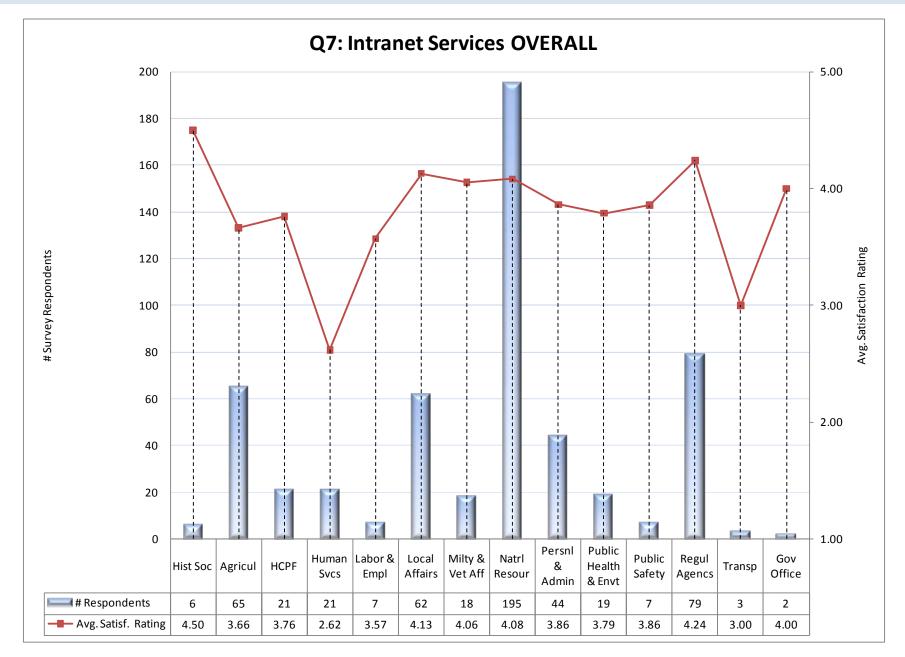




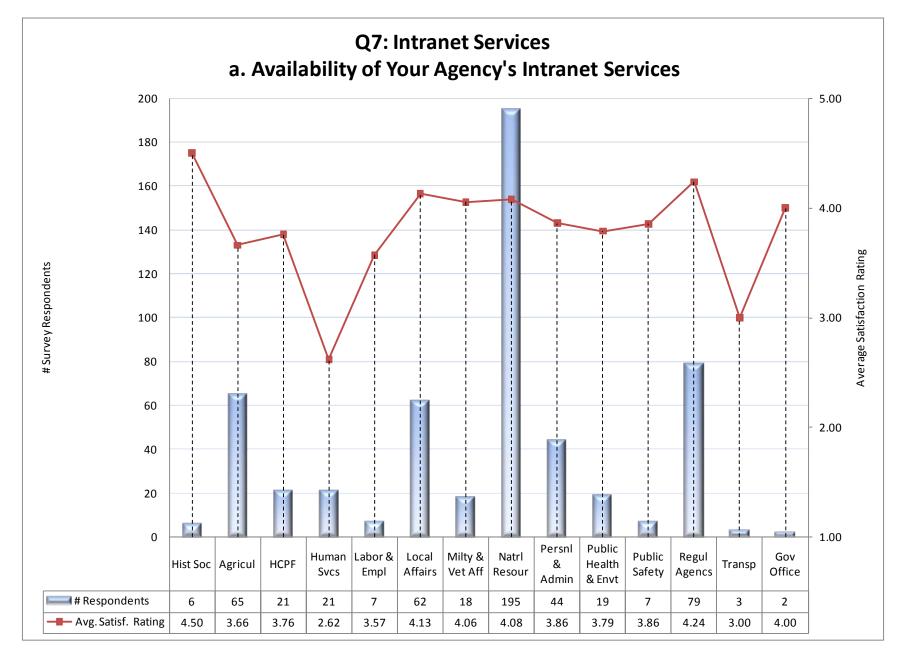




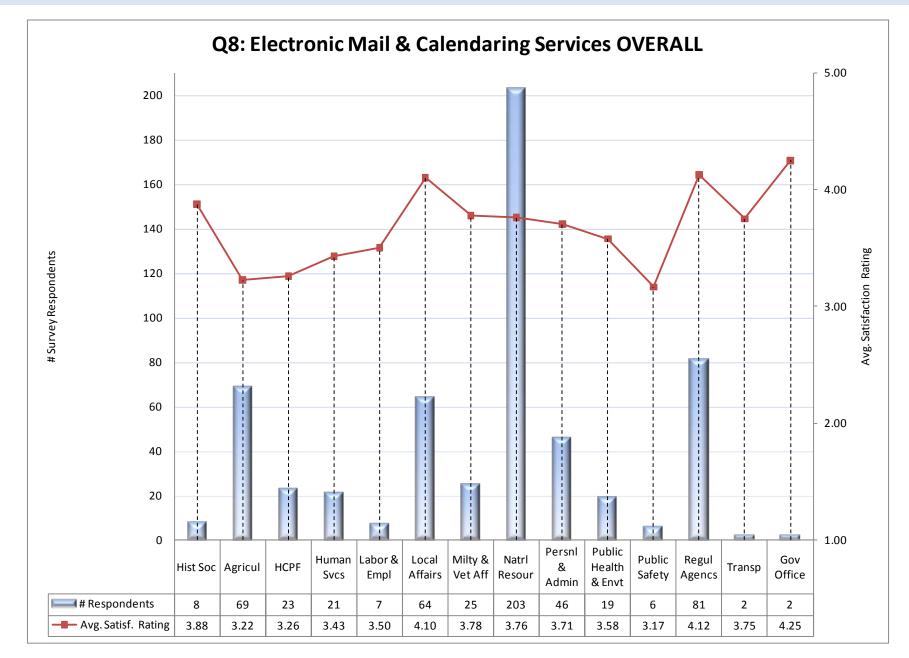
#### Q7: INTRANET SERVICES-OVERALL BY AGENCY

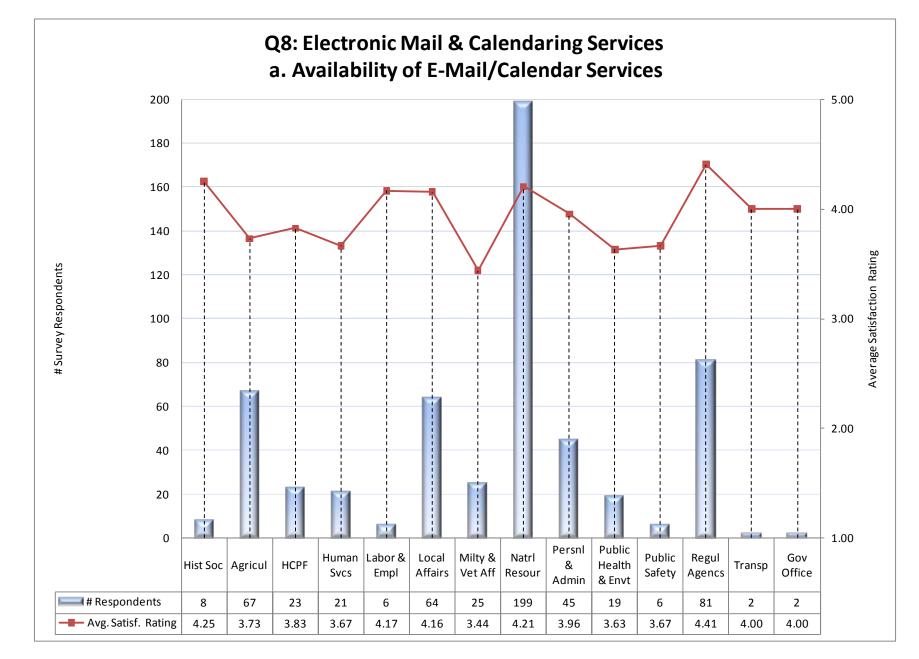


#### Q7-A: INTRANET SERVICES-AVAILABILITY OF AGENCY INTRANET

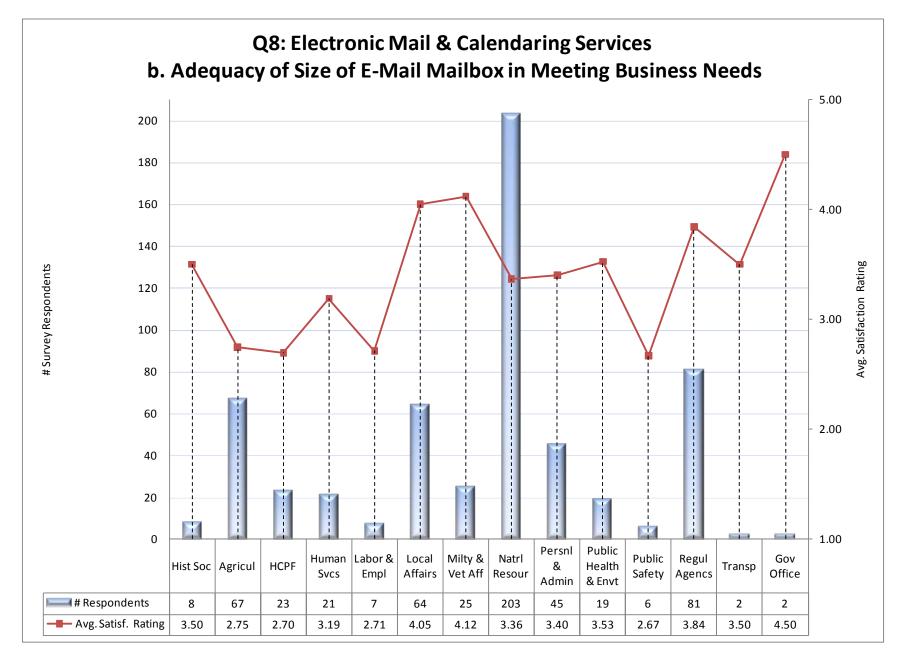


#### Q8 A-B: ELECTRONIC MAIL & CALENDARING SERVICES-OVERALL BY AGENCY

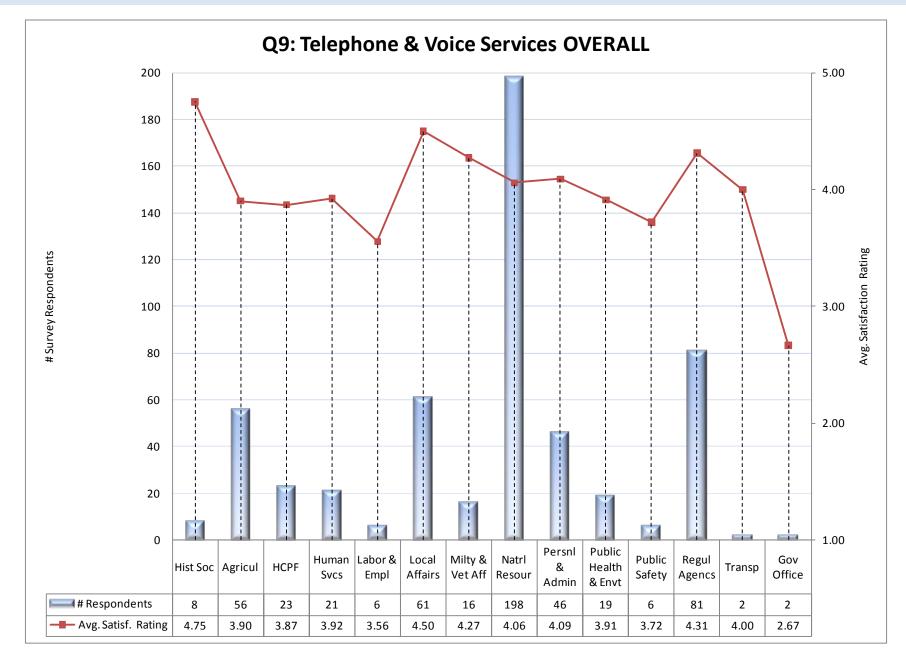




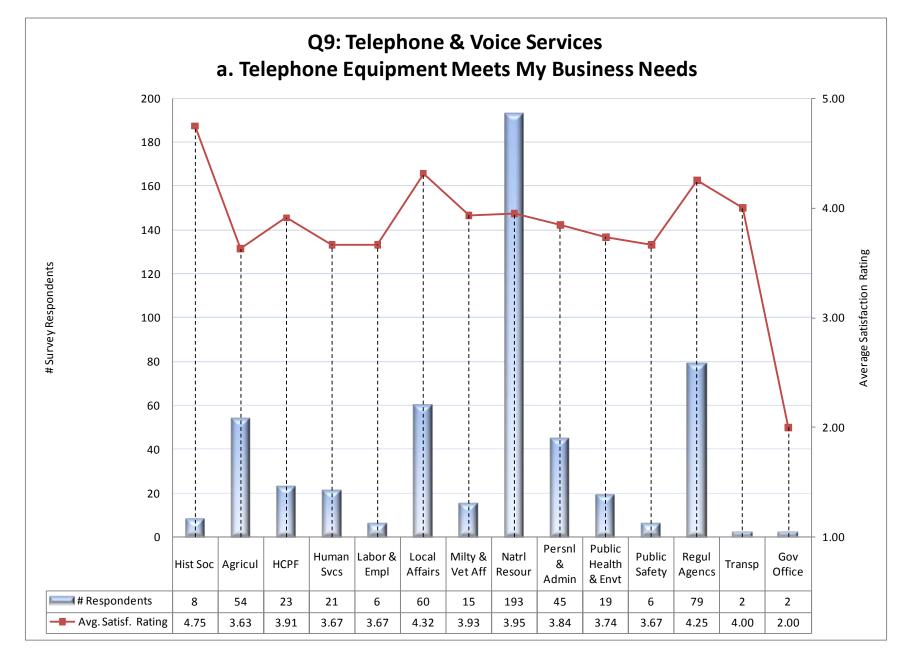
#### Q8-A: ELECTRONIC MAIL & CALENDARING SERVICES-AVAILABILITY OF E-MAIL & CALENDAR

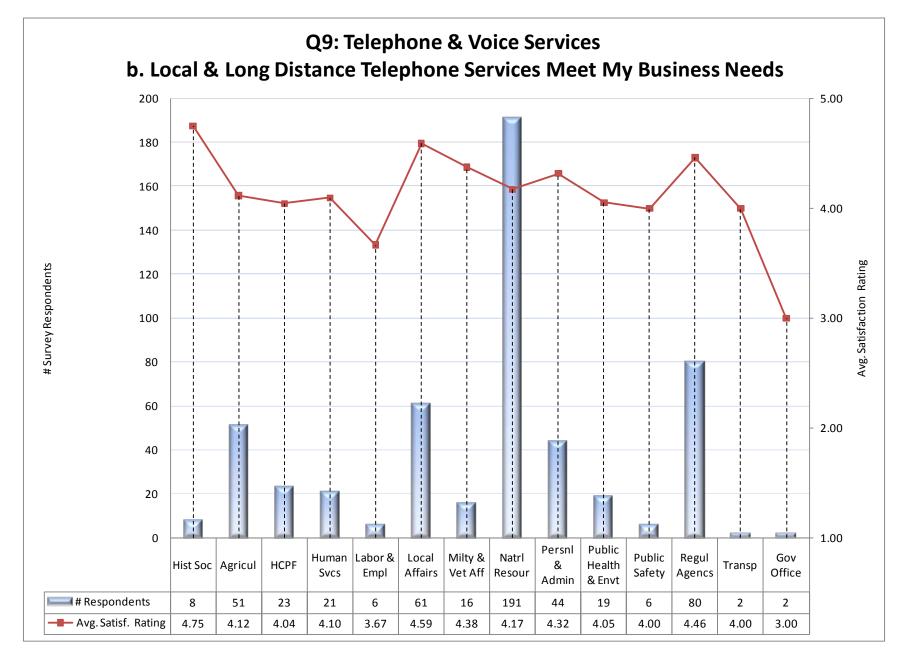


#### Q9 A-C: TELEPHONE & VOICE SERVICES-OVERALL BY AGENCY

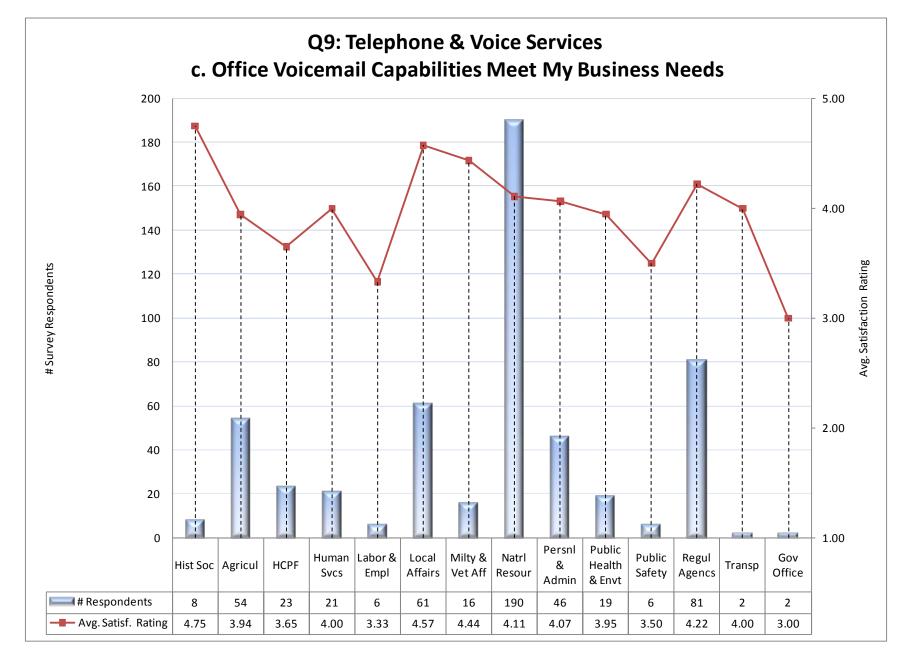


#### Q9-A: TELEPHONE & VOICE SERVICES-ADEQUACY OF TELEPHONE EQUIPMENT





#### Q9-C: TELEPHONE & VOICE SERVICES-VOICEMAIL CAPABILITIES



#### Q4. PLEASE INDICATE YOUR SATISFACTION WITH THE FOLLOWING **HELPDESK SUPPORT SERVICES** YOU RECEIVED OVER THE PAST YEAR FROM YOUR AGENCY'S IT SERVICES GROUP.

	Helpdesk Support Services								
	1	2	3	4	5	Cannot Evaluate			
a. Responded in a timely manner to my requests and kept me informed (created tracking tickets; scheduled service calls; communicated effectively with me)	C	6	0	0	C	C			
b. Honored commitments to me and followed-up as necessary	0	C		0	C	6			
c. Resolved my Helpdesk requests	0	C		0	C	6			
d. Adapted to emergency situations and provided interim solutions	8	0		0	6	C			

#### Q5. PLEASE INDICATE YOUR SATISFACTION WITH THE FOLLOWING HARDWARE AND SOFTWARE: EQUIPMENT, **APPLICATIONS & SUPPORT** YOU RECEIVED OVER THE PAST YEAR FROM YOUR AGENCY'S IT SERVICES GROUP.

	Hardware and Software: Equipment, Applications & Support							
	1	2	3	4	5	Cannot Evaluate		
a. Adequacy of computer equipment to do my job (PCs, laptops, monitors, keyboard, mouse)	0	Ø	0	0	6	C		
b. Adequacy of software applications to do my job (off-the-shelf office productivity software [Word, Excel, etc.]; software unique to specific job functions, or in-house custom developed)	C	C	C	C	B	E		
c. Adequacy of printers, copiers, scanners, fax machines	۲			0				
d. Maintenance, replacement and management of computer equipment (PCs, laptops, monitors, keyboards, mouse)	0	C	0	0	6	C		
e. Maintenance, replacement and management of software applications to do my job (off-the-shelf office productivity software; software unique to specific job functions, or in-house custom developed)	0	C	C	C	8	E		
f. Adequacy of mobile hand-held wireless computer equipment and support services (Blackberries, etc.)	C	C	C	C	0	C		

#### Q6. PLEASE INDICATE YOUR SATISFACTION WITH THE FOLLOWING **INFORMATION SYSTEMS: NETWORK SERVICES & OPERATIONS** YOU RECEIVED OVER THE PAST YEAR FROM YOUR AGENCY'S IT SERVICES GROUP.

	Infor	matio	-	ems: N perati		k Services &
	1	2	3	4	5	Cannot Evaluate
a. Network Accounts: Timely setup, accurate and appropriate management of user accounts, groups, resources	0	0	0	C	C	C
b. Availability of Information Systems, programs, and work files that reside on network drives, versus those installed or stored locally on the hard drive of your PC or laptop (includes onsite and remote access)	0	0	6	8	C	C
c. Security of my files on network drives (e.g., confidence that my work is protected from unauthorized users)	0	0	G	C	C	C
d. Wireless network access (availability, reliability, speed)	C	C		C	0	C

#### Q7. PLEASE INDICATE YOUR SATISFACTION WITH THE **INTRANET SERVICES** YOU RECEIVED OVER THE PAST YEAR FROM YOUR AGENCY'S IT SERVICES GROUP. **INTRANET SERVICES** REFERS TO INTERNAL PRIVATE WEB SITES FOR USE BY AGENCY EMPLOYEES.

	Intranet Services							
	1	2	3	4	5	Cannot Evaluate		
a. Availability of agency's Intranet Services	0	C	O	C	0			

### Q8. PLEASE INDICATE YOUR SATISFACTION WITH THE FOLLOWING **ELECTRONIC MAIL & CALENDARING SERVICES** YOU RECEIVED OVER THE PAST YEAR FROM YOUR AGENCY'S IT SERVICES GROUP.

	Electronic Mail & Calendaring Services								
	1	2	3	4	5	Cannot Evaluate			
a. Availability of E-Mail/Calendar services (Microsoft Exchange-Outlook, GroupWise)	0	C	C	C	C	C			
b. Adequacy of the size of your email mailbox in meeting business requirements	0	C	C	C	C	8			

#### Q9. PLEASE INDICATE YOUR SATISFACTION WITH THE FOLLOWING **TELEPHONE & VOICE SERVICES** YOU RECEIVED OVER THE PAST YEAR FROM YOUR AGENCY'S IT SERVICES GROUP.

	Telephone & Voice Services								
	1	2	3	4	5	Cannot Evaluate			
a. Telephone equipment meets my business needs (features, conferencing, set-up)	C	0		0	C	C			
b. Local and long distance telephone services meet my business needs		0							
c. Office voicemail capabilities meet my business needs	C		C	0	C	C			