

# Determinants of Services Sourcing Performance 8th Acquisition Research Symposium

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sues In Service Contract Management urpose & Research Questions

heoretical Frameworks

Service quality

**Expectation** – **Disconfirmation** → **Satisfaction** 

Resource-based view

Competence-based view

Relational exchange

Agency theory

Conceptual model

ethodology

esults & Implications

# Manayti

- 005: services > 78% US GDP & employed 0% of country's workforce
- ervices > 50% of DoD's Contract Spend
- ersistent Problems Acquiring Services
  - 13 GAO Reports since 2001
  - 7 IG Reports since 2000

# ymptoms:

- **Poorly defined requirements**
- Insufficient oversight
- **Inadequate staffing**
- Not strategically managing spend
- Lack of competition
- Poor assessment of contractor performance

Non-compliance

Vhy is DoD struggling to effectively manage ervices?

consider key outcomes:

Service quality (SERVQUAL)

Compliance

irst, need to understand their determinants

urpose: Identify the factors that affect

**ERVQUAL & compliance** 

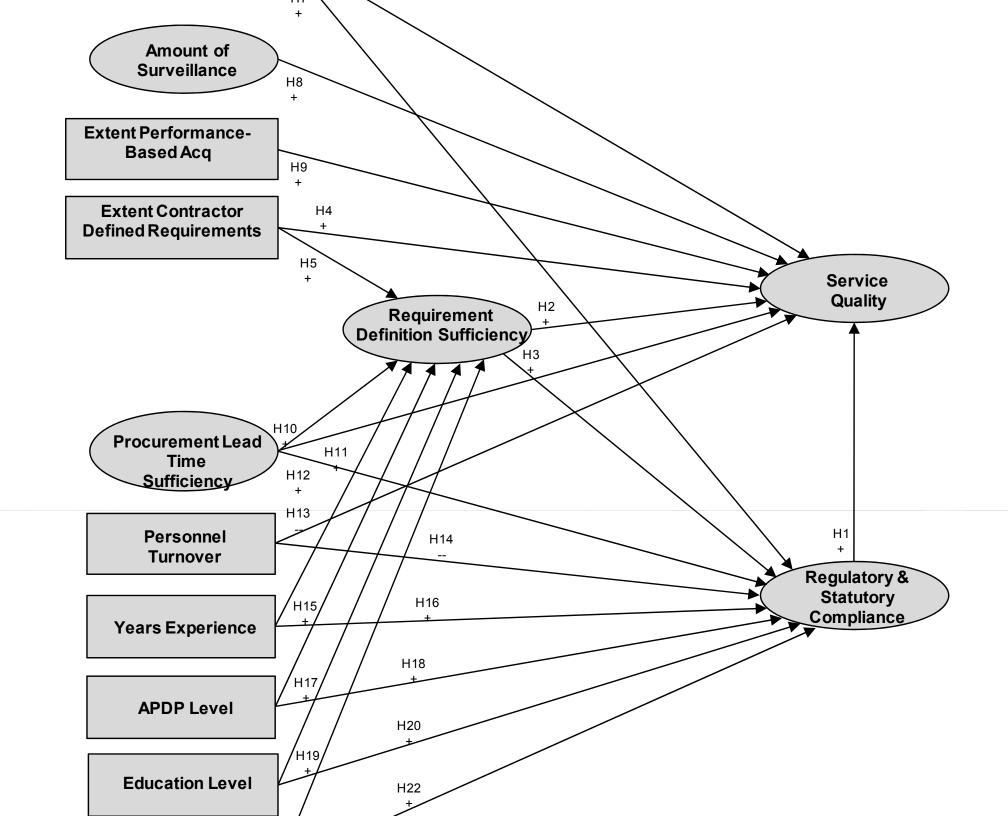
ervices are difficult to define and assess.

### Differ from goods in terms of:

- Intangibility
- Heterogeneity
- Perishability
- Inseparability

## Parasuraman, Zeithaml, & Berry, 1985

- Gaps model key to troubleshooting SERVQUAL problems
- 5 dimensions of SERVQUAL
  - Tangibles
  - Reliability
  - Responsiveness
  - Assurance
  - Empathy
- Needed to be adapted to a B2B setting:
  - · Reliability



tructural Equation Modeling online survey

ample:

240 USAF service contract administrators

42 buying activities

Response rate = 34%

urvey measures

Adopted and adapted existing scales where possible

Created new scales for: sufficiency of rqmt def & sufficiency of lead time

Table 14. Service Type Administered by Respondents

•	
ervice Type	Percent of total
aintenance/repair	22.22
ofessional, administrative and management support	17.70
tilities and housekeeping	17.28
edical	10.29
ducation and training	4.53
rchitect-engineering	3.29
uality control, testing, and inspection	0.82
esearch and development	0.82
ther	23.05

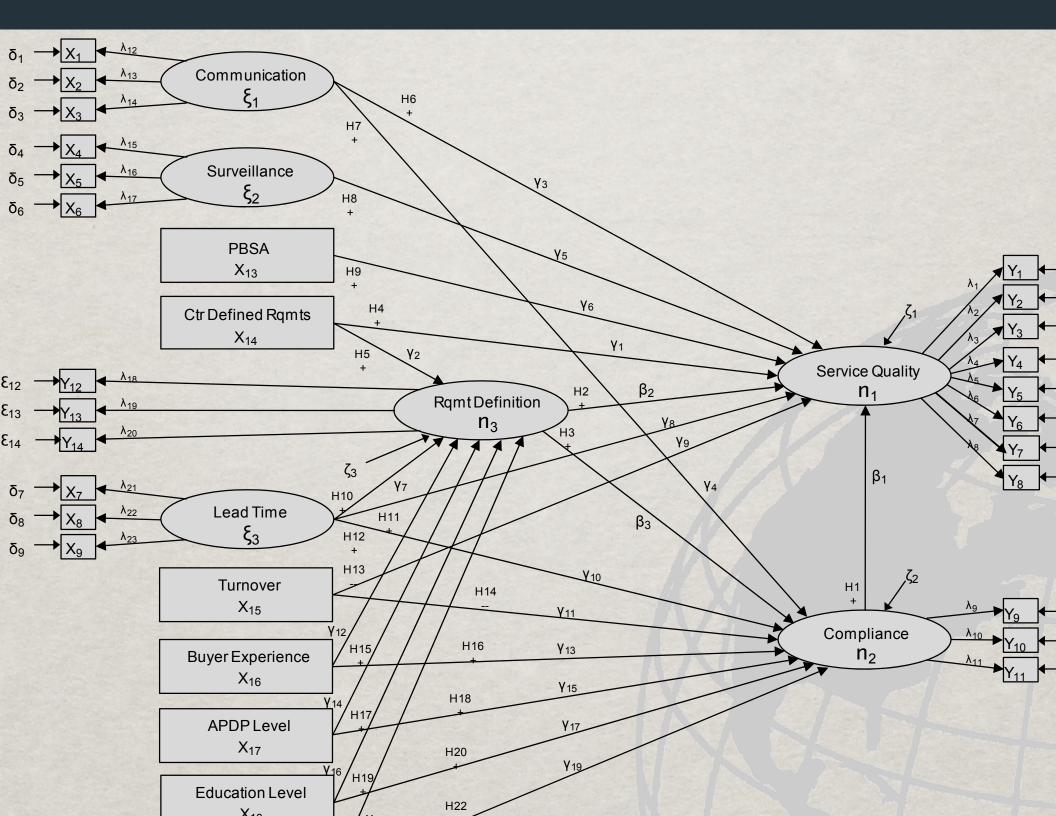
ace validity: Expert and Practitioners reviewed the nodel & survey

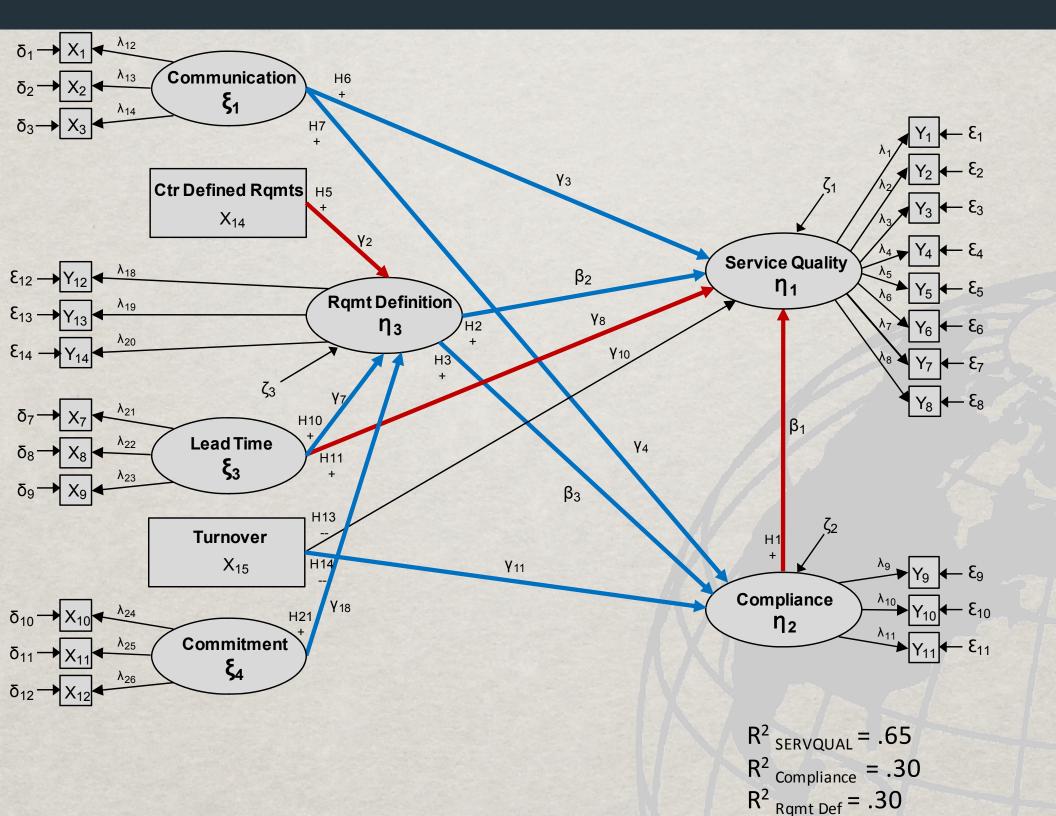
omposite reliabilities > .7

onstruct validity: confirmatory factor analysis w/ so

onvergent validity: Average variance extracted > .5

iscriminant Validity: AVE > squared correlations





compliance is less where acquisition personnel arnover  $\geq$  100% (Regression  $\beta$  = -.18; p < .01).

compliance is less where acquisition personnel urnover ≥ 42% annually (Regression β = -.19; p < .01)

here was no difference in SERVQUAL by amounts of urnover.

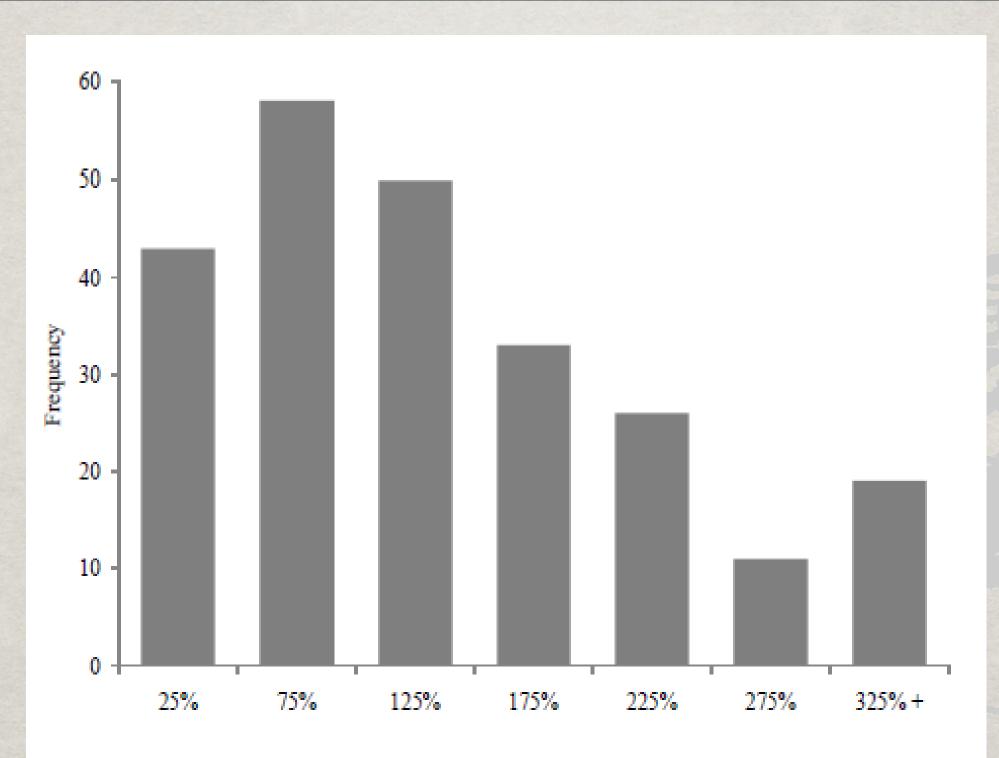


Figure 12. Histogram of Percent Turnover of Acquisition Personnel

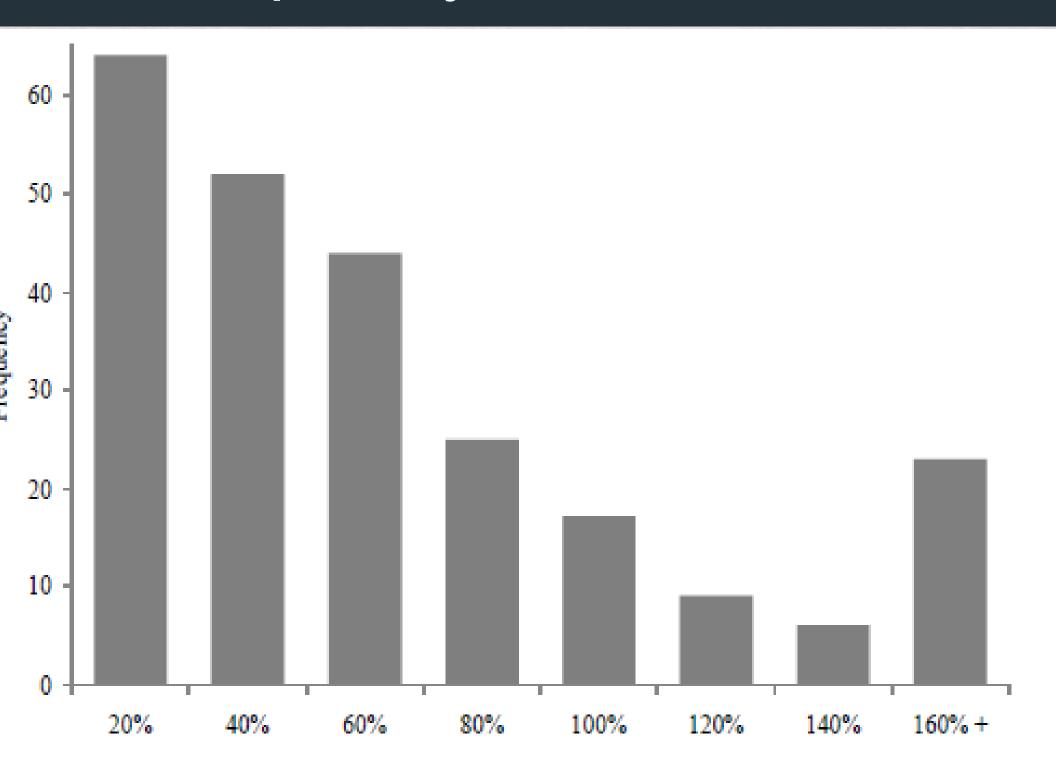


Figure 13. Histogram of Annualized Percent Turnover of Acquisition Personnel

ow CO experience (5 years or less) is associated with ower levels of service quality (Regression  $\beta$  = -.13;  $\rho$  05).

xperience is not associated with compliance or rqmtef

xplored differences in rqmts definition & compliance PDP certification level.

One difference detected: APDP Level II define rqmt more sufficiently than do APDP Level III

o differences in rqmt def or compliance by CO

nit the turnover of acquisition personnel to no more than 100% over the contracts and 42% annually.

tablish buyer-supplier relationship management skills (communication) as a core-competency.

sure that assigned internal customers are fully committed to services quisitions prior to engaging in procurement processes & develop meastrease commitment.

tter educate customers on methods to effectively develop requirement cuments; develop high-quality requirements documents templates for mmonly acquired services.

vise or remove non-value added regulations & policy

plement a supplier performance evaluation system for service contracting the service quality scale.

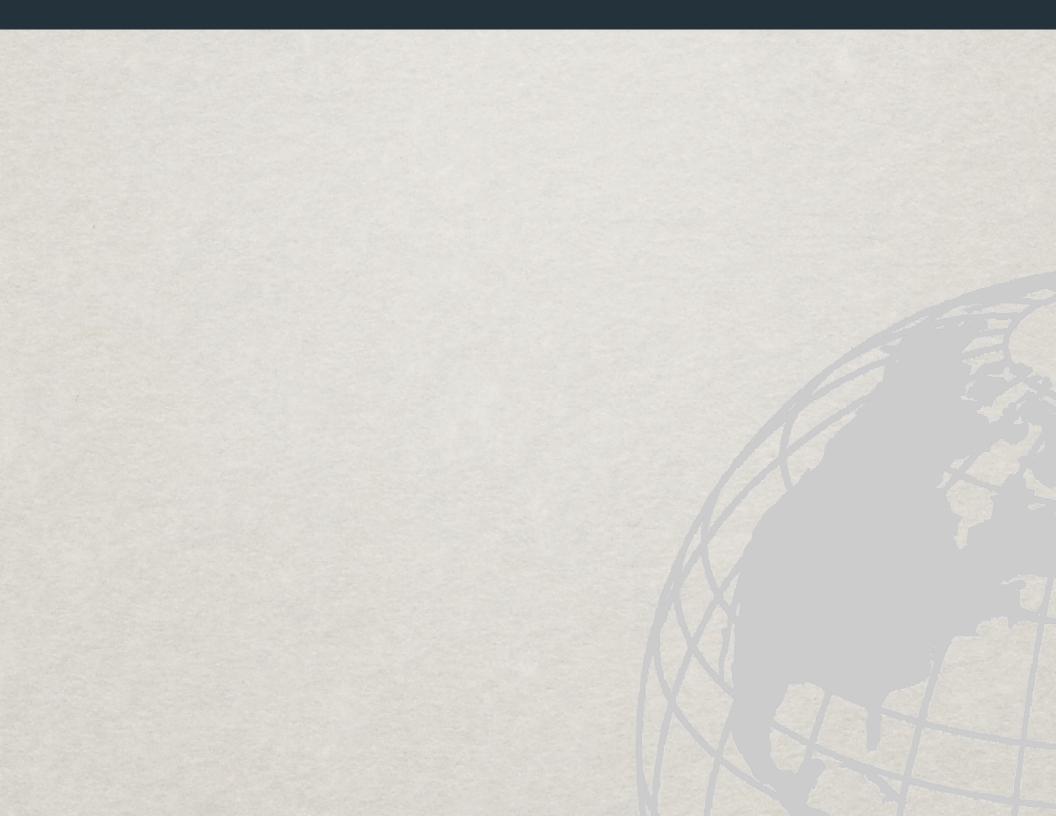
hy is turnover so high, and how do we control it? ow do we retain experience? hy is procurement lead time not sufficient? hat are the antecedents of a well-defined requirement? hat is the supplier's perspective on the relationship betwee ompliance and SERVQUAL? contract award the goal line or is supplier performance the esired end state – positive vs. normative? oes CPARS adequately help us manage supplier performan

ric a SDE cyctom poodod?

cquisition Research Program, Mr. Keith Snider Is. Karey Shaffer; RADM Jim Greene (ret)

FPEO/CM, MG Wendy Masiello

AF/AQC, Mr. Roger S. Correll



SAF sample may limit generalizability

ot a random sample

ommon method variance

ocially desirable response bias

nternal customer commitment measured by the CO value customer

ne single-item scale (contractor defined rqmts) revents assessment of reliability

ucation level	Percent of total	Certification level	Percent total
sh school diploma or GED	11.90%	No APDP certification	19.309
sociate's degree	12.30%	APDP Level I	18.50
chelor's degree	43.20%	APDP Level II	36.60
ster's degree	31.70%	APDP Level III	25.509
ctoral or professional degree	00.80%	Other professional certification	15.409