

NAVAL Postgraduate School

Category Management of Services: A Method for Strategically Clustering DoD Installations

> Dr. Karen A.F. Landale, Assistant Professor Dr. Aruna Apte, Associate Professor Capt Austin Clark, Student Capt Corey Arruda, Student Graduate School of Business & Public Policy



Cameron Holt, Brig Gen, USAF Roger Westermeyer, Col (Ret) USAF Steve Brady, Civ, USAF Dr. Carl Parson, Civ, USAF



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The Service Economy



Source: OUSD AT&L (2017)



Optimally cluster DoD installations based on known cost-drivers of common, enterprise-wide installation services.



Latest evolution of strategic purchasing that attempts to control costs in order to achieve competitive advantages



Functional Ownership of Spend!



Category Management

Government-Wide Category Organiza				
1. IT- \$50.7B	2. Professional Services – \$63.4B	3. Security and Protection – \$5.3	I. Facilities & Construction - \$72.5B	Industrial Products and Services - \$11.0B
1.1 IT Software 1.2 IT Hardware 1.3 IT Consulting 1.4 IT Security 1.5 IT Outsourcing 1.6 Telecommunications	 2.1 Business Administration Services 2.2 Legal Services 2.3 Management Advisory Services (Excludes R&D 17.0) 2.4 Marketing and Distribution 2.5 Public Relations and Professional Communications Services 2.6 Real Estate Services 2.7 Trade Policy and Services 2.8 Technical and Engineering Services (non-IT) (Excludes 1.0) 2.9 Financial Services 2.10 Social Services 	3.1 Security Animals & Related Services 3.2 Security Systems 3.3 Security Services	 4.1 Construction Related Materials 4.2 Construction Related Services 4.3 Facility Related Materials 4.4 Facility Related Services 4.5 Facilities Purchase & Lease 	Machinery & Component Fire/Rescue/Safety/Envir nmental Protection Equipment Hardware & Tools Test & Measurement Supplies Industrial Products Install/Maintenance/Repa /Rebuild Basic Materials Oils, Lubricants, and Waxes
 Office Management - \$1.7B 	7. Transportation and Logistics Services – \$25.6B	8. Travel and Lodging - \$2.2B	9. Human Capital - \$4.7B	10. Medical - \$35.2B
6.1 Office Management Products6.2 Office Management Services6.3 Furniture	7.1 Package Delivery & Packaging 7.2 Logistics Support Services 7.3 Logistics Civil Augmentation Program 7.4 Transportation of Things	8.1Passenger Travel 8.2Lodging Travel Agent & Misc. 8.3Services	 9.1 Alternative Educational Systems 9.2 Educational Facilities 9.3 Educational Institutions 9.4 Specialized Educational Services 9.5 Vocational Training 9.6 Human Resources Services 	10.1 Drugs and Pharmaceutical Product 10.2 Medical Equipment & Accessories & Supplies 10.3 Healthcare Services
	7.5 Motor Vehicles (non- combat) 7.6 Transportation Equipment 7.7 Fuels			based on FY15 FPDS da

Source: Defense Procurement and Acquisition Policy (n.d.).





Method



Method



Use aerial and satellite images for geographic editing and reference



Analyze sales and customer data by postal code or ZIP Code



Find Crime hot spots



Create territories based on drive time or distance





Perform nationwide Census demographic analysis



Find shortest paths and routes



Use geographic data from other GIS and CAD Sources



Visualized flows of goods or people



Locate your customers and facilities



Determine market potential and target growth opportunities



Analyze real estate trends Source: MPCluster (n.d.)





- Identify DOD requiring activities for a given service
- Identify cost-driver market intelligence relevant to developing clusters
- Integrate cost-driver market intelligence
 into commercial mapping software
- Use cost-driver market intelligence to determine optimal cluster size



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- FY15 DoD Base Structure Report
 - Building ft²
 - Owned acreage
 - # Personnel assigned
- 2016 ISWM Category Intelligence Report
- CE Sub-Activity Management Plan Data
- FPDS-NG Contract Data (15 DoD installations within 100 mile radius of El Segundo)
- Landfills & transfer stations (27 within 100 mile radius of El Segundo)





- ISWM is less wage-driven than the overall services sector
- Fixed assets are expensive (trucks, equipment, dumpsters)
- Variable costs can be high (fuel, landfill fees)
- Trucks get 2-3 mpg x ~100 gallon tanks
 = ~200 miles round trip



Findings











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27.4

Findings





Findings













- Rate Savings Inconclusive
- Process Savings*
 - 395.42 man-hours per 5 year contract
 - 14 Installations = 5,535.88 man-hours
- Demand Savings Inconclusive

*Based on the 2014 Operational Contracting Air Force Manpower Standard



- Potential for large cost savings by clustering common installation-level services
- Commercial software can help create clusters
 - Which suppliers service a particular area
 - Which contracting offices could serve as hubs
- Category Management "cost ownership" structure is necessary to push implementation



ABAAI

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Questions?





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