

California Space Authority and the Supply Chain Transformation

November 9, 2006

“Accelerating Supply Chain Integration:
Supplier Training Impacts in Real Time” Forum

**The Honorable Andrea Seastrand, Executive Director
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Global Issue: Supply Chain Integration



Recent Space News article headline:
“Supply Problems Force _____ to Transfer
Launch”



... “transferred the planned 2007 launch...to a competing rocket vehicle because of (manufacturer) hardware shortages...”



“In the latest example of a supply-chain problem washing through Russia’s space sector...”



Supply Chain Integration: Competitive Market Advantage

- In the “flat world” environment, supply chain winners will be those who:
 - produce on demand
 - streamline logistics to keep the production and delivery on schedule
 - manage costs
 - create strategic supply chain alliances
- This requires innovation and training



California Space Authority (CSA) and Its “Smart Supplier” Initiative



- CSA facilitates “California Space Enterprise Strategic Plan”
- 2004 Plan featured “Smart Supplier” initiative” – creation of a strategy to support development of smart suppliers
- U.S. DOL funded development of this strategy within the “WIRED” grant to CSA through the California Labor and Workforce Development Agency





CSA-Led

WIRED Supply Chain Projects



- A project to characterize the nature of the supply chain transformation, identify training impacts resulting from it, survey priority training needs



- A project to inventory California supply chain training resources and develop a common set of learning outcomes across supplier training provider network





Supply Chain Project Partners

- Primes
- Suppliers
- Training Providers
- Workforce Investment Boards
- Nonprofit Support Organizations
- Others



What can we do collectively to accelerate the supply chain transformation and keep California and U.S. suppliers competitive globally?



WIRED Supply Chain Interface

- The “Why WIRED?” briefing next on agenda
- WIRED: Workforce Innovation in Regional Economic Development
 - CSA leading the California Innovation Corridor (CIC) WIRED initiative
 - 13 counties; 25 projects
 - CIC Initiative: Innovation Support; Industrial Rejuvenation (Supply Chain Competitiveness); Talent Development





California Space Enterprise Dependent on Talent/Innovation



Total economic impact of California
Space Enterprise: >\$50 billion

- 265,000 jobs (direct/indirect)
- \$13.4B in wages
- 31% of the \$55.5 U.S. space market
- 19% of the \$115B global space market
- Over 50% of aerospace suppliers*
- Estimates of retirement: 30-50% over 5 yrs



CSA Supports Suppliers and Manufacturers



- Space Manufacturing Group (SMG)
- Small Business Group (SBG)
- Business Development, Retention and Growth (BDRG)
- California Space Industrial Base Vitality (CSIBV) – Mfg/Infrastructure
- Also:
 - Science Research & Technology Dev
 - Education and Workforce Dev
 - Public and Policymaker Awareness



CSA Commitment: Smart (Globally Competitive) Suppliers



- Smart Supplier Initiative
- Successful WIRED grant project
- International partnerships
- Facilitation of contract opportunities (Industry Day interfaces)
- Facilitation of funding support for training
- Networking, business development support (roundtables, conference)

