

# Commercial Grade Dedication Sourcing and Supply *Nuclear Suppliers Workshop*

Teo Grochowski

September 6-7, 2017

# Solving Complex Problems



- Shaping cities
- Delivering water and energy
- Designing and constructing first-of-a-kind high consequence facilities
- Mobilizing defense programs
- Protecting people and property from natural and manmade threats

*Safely achieving our customer's success is our #1 Priority*



# Regulatory Drivers

- **Technical Services performs to American Society of Mechanical Engineers Nuclear Quality Assurance-1 (NQA-1)**
  - Part II, 2.14 (Commercial Grade Dedication)
- **Electric Power Research Institute documents**
- **DOE guidance documents and orders**
- **Nuclear Regulatory Commission requirements**



# Commercial Grade Dedication

- **AECOM provides CGD as part of its projects**
  - Internally
  - Third-party vendors
- **Dedicated Nuclear Solutions (DNS) is the gateway for outward looking performance and project support for CGD**
- **Hardware and/or technical support**
  - Piece parts
  - Engineering, procurement, construction (large quantity)
  - Staff support
  - CGD plans (development, review, implementation)

# CGD Source Path

## Safety Basis Document

- Determines which parts and processes are safety significant (SS)

## Engineering specifies components

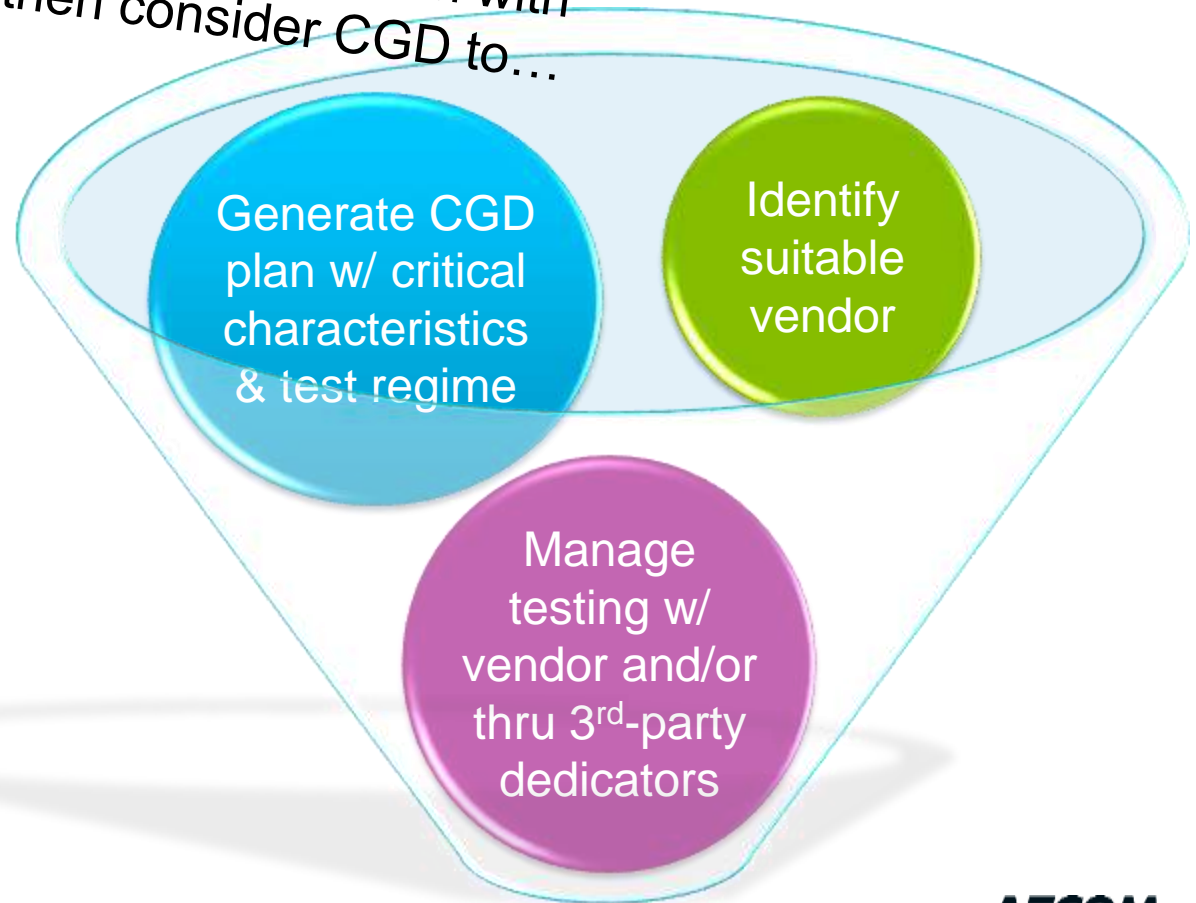
- Broad scope definition (e.g., valve)
- Very specific definition (e.g., valve model number XYZ made by ABC and/or meeting or exceeding material and performance specifications)

## Procurement initiates NQA-1 sourcing using an approved suppliers list and publicly available information

- Registered interest
- Web sites
- Colleague and/or personal knowledge
- Engineering recommendations

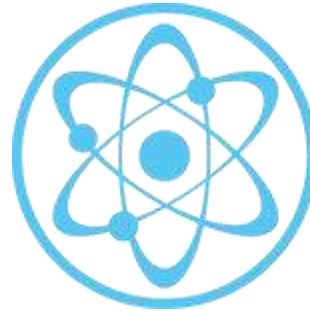
# Procurement

When lacking an identified qualified NQA-1 supplier(s) for the SS/quality level-1 items, Engineering, in conjunction with Procurement, will then consider CGD to...



# Things AECOM Looks For...

- Implemented NQA-1 program
- Financial and/or operational stability
- Expertise
- Quality and quality program
- Reputation
- Responsiveness



**NQA-1**  
CERTIFIED



# Scope of Supply

- **New**
- **Like-for-like**
- **Replacement/equivalent**
- **Reverse-engineered**
- **Software is unique and has its own requirements**





# Thank You

teo.grochowski@aecom.com  
540-520-6900

**AECOM**