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# *Acceptance Processes Including Software*

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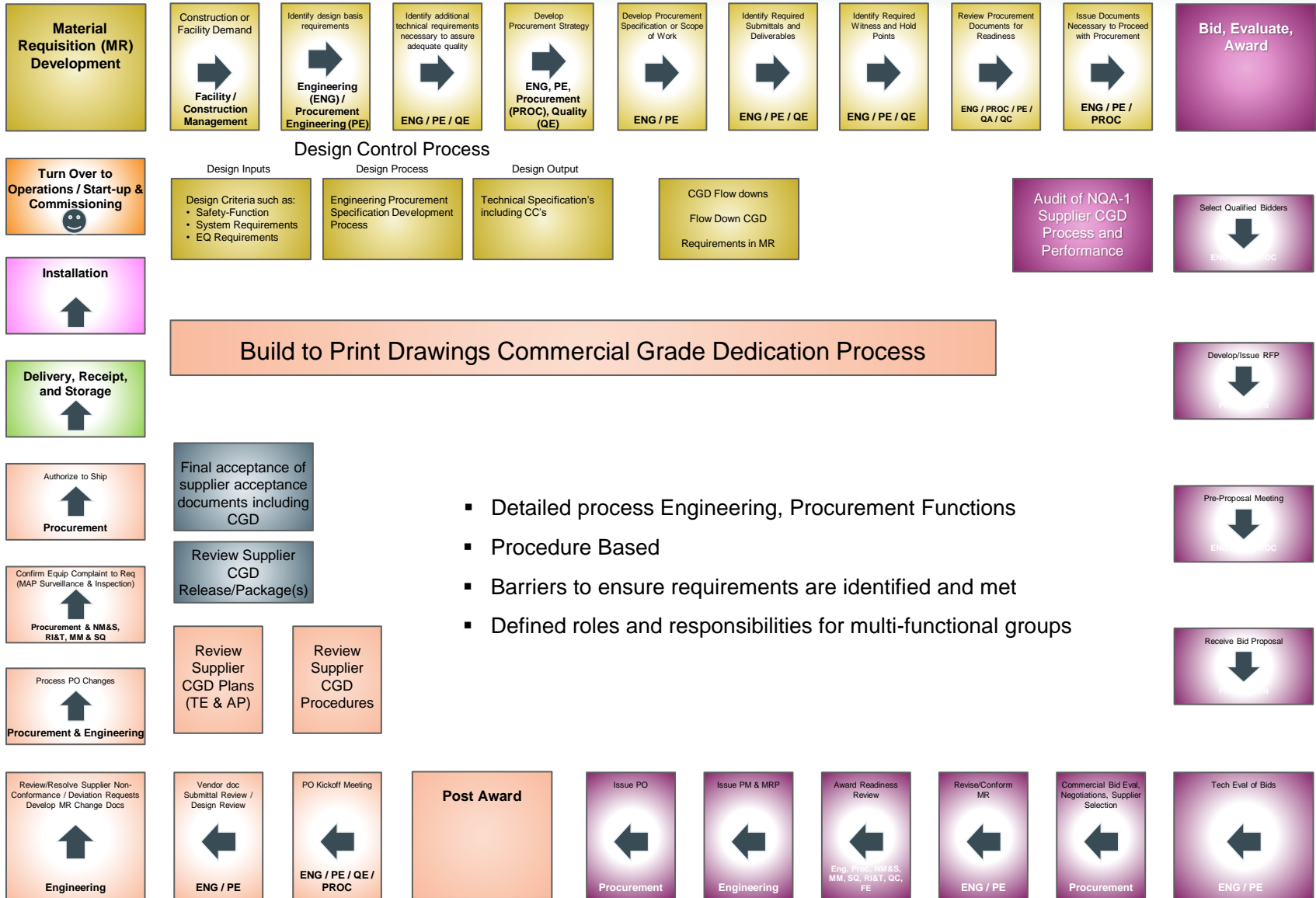
# How is Software Acceptance Different?

- Procurement of Items (not software):
  - May be accepted in accordance with NQA-1 Requirement 7 from a supplier implementing NQA-1
  - May be accepted in accordance with NQA-1 Requirement 7 from a supplier meeting purchaser specified technical and quality requirements
  - May be accepted in accordance with NQA-1 Part II Subpart 2.14, commercial grade dedication
- Procurement of Items (software)
  - May be accepted in accordance with NQA-1 Requirement 7 from a supplier implementing NQA-1
  - May be accepted in accordance with NQA-1 Part II Subpart 2.14, commercial grade dedication
- Take-aways
  - NQA-1 Part II Subpart 2.7 Section 302 requires “*Subpart 2.14, Quality Assurance Requirements for Commercial Grade Items and Services, shall be applied to acquired software that has not been previously approved under a program consistent with Part I of this Standard..*”
  - Software may only be procured from an NQA-1 supplier or via CGD whereas items (not SW) may be procured as described in EPRI 5652 Appendix F Rev. 1
  - While Subpart 2.14 is required, section 302 (a), (b), and (c) provide a “shortcut” on how the software is to be accepted.

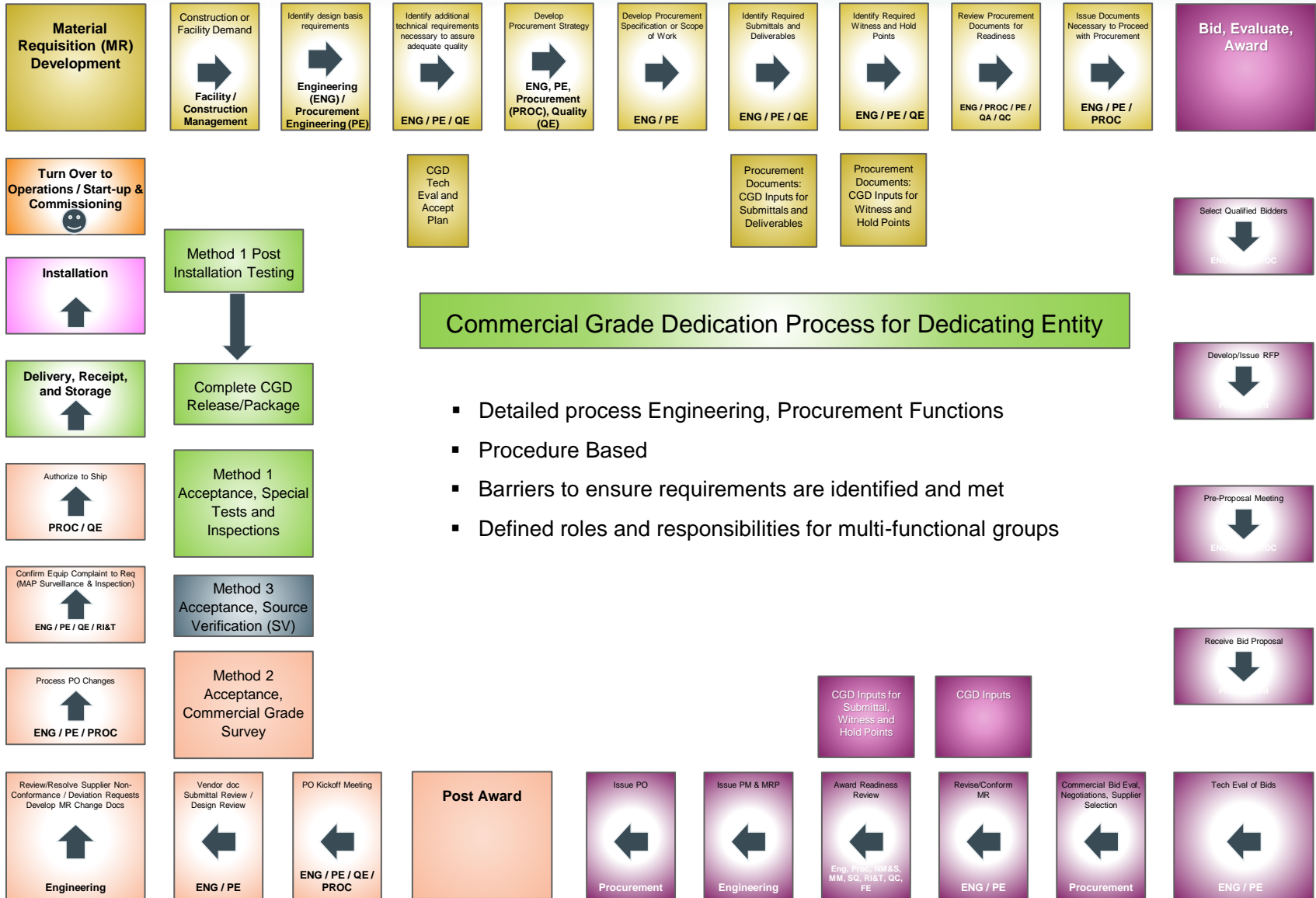
## Case Study

- Example:
  - ASME Section III Division 5 analysis software from the NRC.
  - Developed by Argonne National Laboratories
  - NQA-1 Part I not applied
  - Distributed, not sold, by the NRC
  - Does it require CGD?
  
- Questions?
  
- Back-up Slides

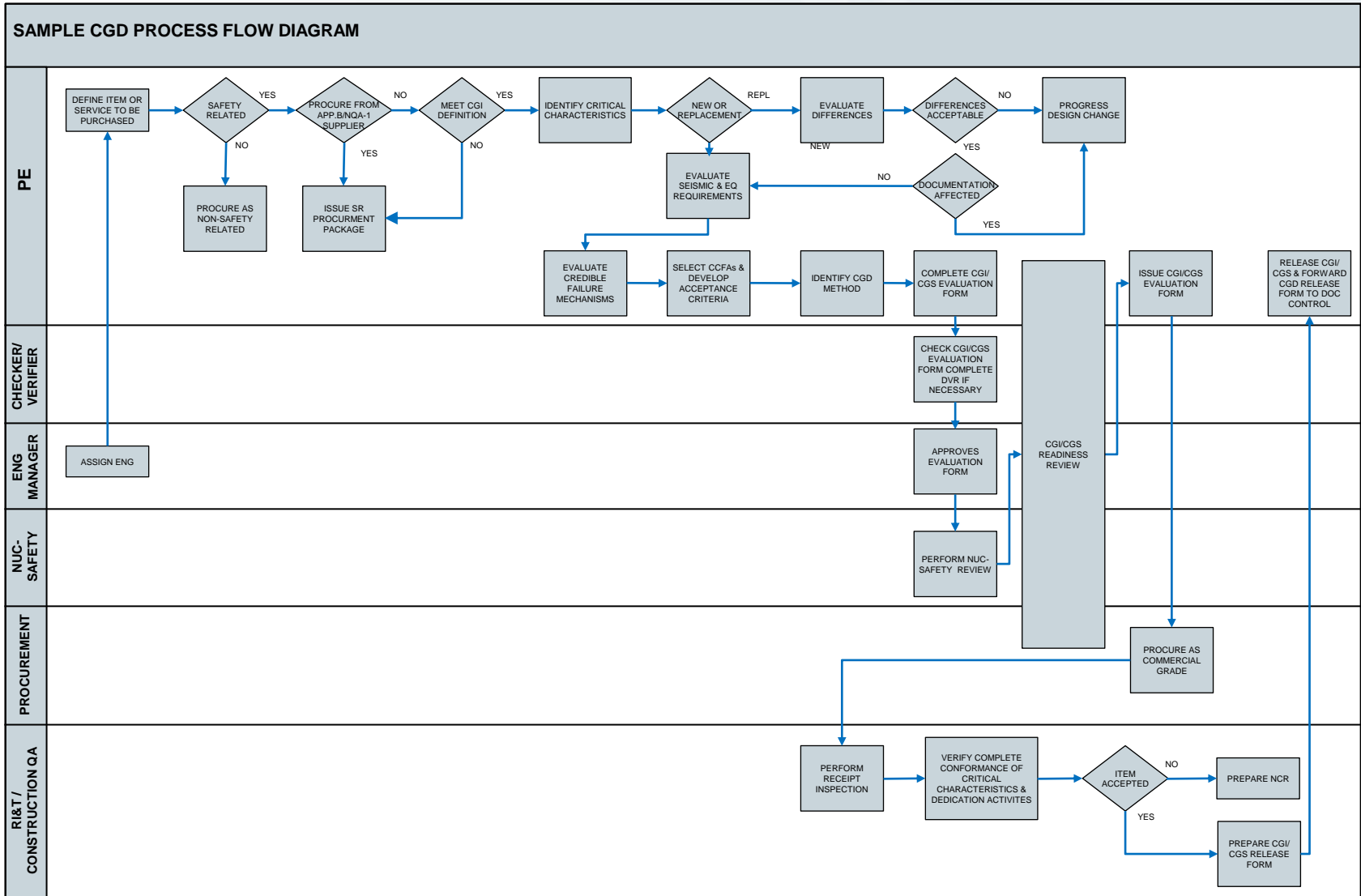
# CGD Process Flow: Purchaser Overseeing CGD



# CGD Process Flow: Purchaser Performing CGD

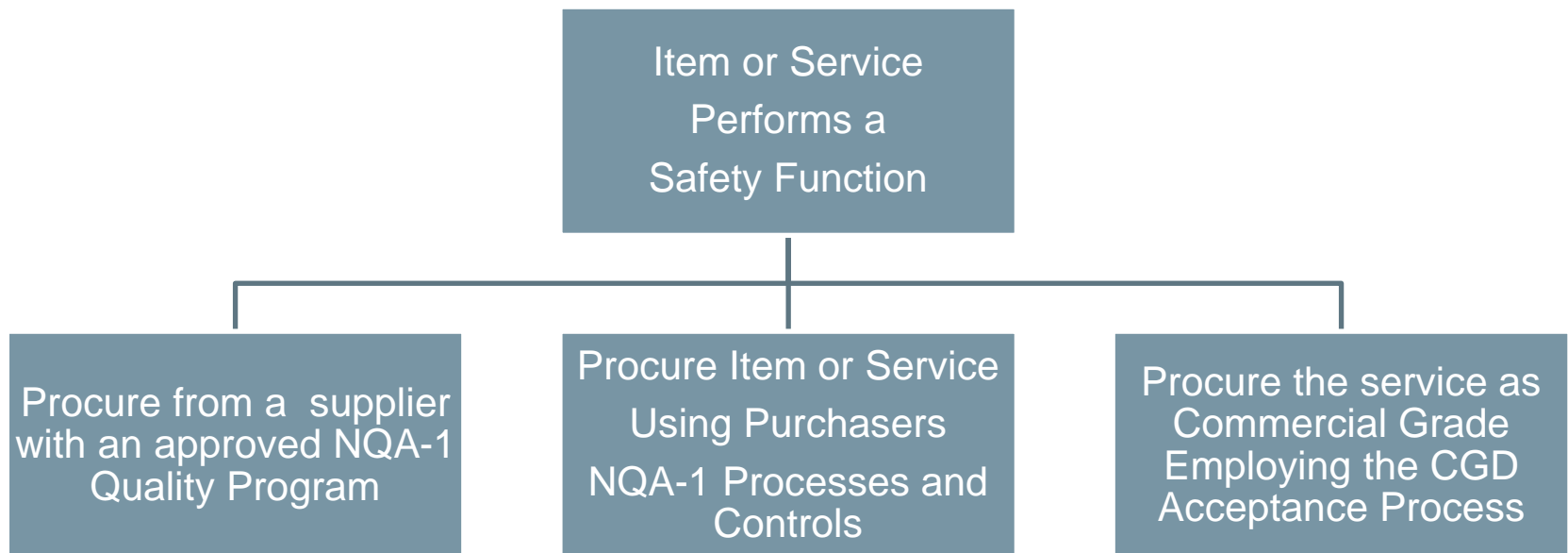


### COMMERCIAL GRADE DEDICATION PROCESS FLOW CHART



## ***Procuring Safety Class/ Significant Items & Services***

- Several options exist for procuring SS/SC items and services



# ***BEST PRACTICES***

- Ensure design is complete prior to beginning the CGD process.
- Clearly define safety and non-safety items in design output documents such as drawings, P&ID's, SDD's and other design media for new designs and existing designs where possible.
- Define efficient processes for sub-part classification where existing design out-put documents do not differentiate safety and non-safety items in design output documents
- Employ procurement acceptances processes that allow the engineer to apply acceptance rigor commensurate with item importance and risk.
- **Don't let the QA pedigree requirements drive you to compromises in engineering. Work with QA specialists to find a way to buy the equipment the design requires.**



