# PCD Next Capabilities/Features

* 1. Update User Interface to new standards and best practices
  2. Retain all existing PCD functionality
     1. Create PCD Entities by Program Name and Associated (Contract(s))
     2. Show PCDs, Create, Copy, Save, Submit, Approve, Rework, Revise, etc.
     3. Maintain ability to search/retrieve historical PCDs/information
  3. Add PCD new Tracking Module (enter from PCD Summary for [Contract Name]) to capture requirements and document progress until PR(s) issued
     1. Optional (for use if/as required by PM)
     2. Other PCD capabilities/features may be used independently
  4. Add new workflow for Operations to review Draft PCD and concur or return to PM for rework
  5. Expand search capability to make all fields searchable (e.g. find PCDs by work package)
  6. Support ad hoc and pre-defined reports
  7. Provide capability for all data to be exported to Excel
  8. Make PCD distribution list editable by PM

# PCD Tracking Module Data Requirements:

* 1. Record Identification Number (RecID) (aka Requirement Spreadsheet (RS) Number): unchangeable system-generated sequential record number
  2. Subject: Purpose of the PCD, a brief description of the requirement to be filled in by PM
  3. PCD Number: TBD by default until PCD Number filled in by PCD Tool when Draft is created (from PCD Planning Module) and updated when the PCD/Revision for the Record ID is approved
  4. Contract: drop down blank by default until contract number selected
  5. Contract Mod Number: TBD by default until filled in by PM
  6. SLIN: Sub-Line Item Number TBD by default until filled in by PM
  7. Materials Cost Estimate ($ Est): PM to fill in total planning estimate ($)
  8. Funded: N by default until Y selected from drop down
  9. FEA: NA by default until FEA number filled in by PM
  10. Part Number(s) (PN) Status: blank by default until drop down Released or Pre-Release selected by PM
  11. Drawing (Dwg) Status: blank by default until drop down Released or Pre-Release selected by PM
  12. BOM Status: blank by default until drop down Released or Pre-Release selected by PM
  13. Customer RDD (Required Delivery Date): PM to select MM/DD/YYYY when delivery to external customer is required
  14. Internal RDD: PM to select MM/DD/YYYY when delivery to Manassas or designated receipt location identified in Action/comments is required to satisfy a program need
  15. PCD Required Date (aka “Wake-Up Date”): PM to select latest date PCD must be approved to support the internal RDD (or calculate by subtracting pre-defined lead times from internal RDD)
  16. Process1 or Process2: blank until PM selects PN, Dwg, BOM, PCD or PR from drop down
  17. Role1: blank until PM selects Originator, Reviewer or Approver from drop down
  18. Role1 Name: blank until PM selects name from LM address book
  19. Role2: blank until PM selects Originator, Reviewer or Approver from drop down
  20. Role2 Name: blank until PM selects name from LM address book
  21. Role3: blank until PM selects Originator, Reviewer or Approver from drop down
  22. Role3 Name: blank until PM selects name from LM address book
  23. Definable field #1: PCD Tool to allow field to be defined by PM (e.g. Hull, TI, PR, etc.)
      1. Hull (submarine hull number)
  24. Definable field #2: PCD Tool to allow field to be defined by PM
      1. TI (technology insertion)
  25. Definable field #3: PCD Tool to allow field to be defined by PM
      1. MAN PR (Manassas PR issued : N by default until NA or Y selected from drop down)
  26. Definable field #4: PCD Tool to allow field to be defined by PM
      1. CLW PR (Clearwater PR issued: N by default until NA or Y selected from drop down
  27. Definable field #5: PCD Tool to allow field to be defined by PM
  28. Definable field #6: PCD Tool to allow field to be defined by PM
  29. Notes: text field for notes/remarks

# PCD Tracking Work Flows

* 1. Engineering Release
     1. Originator creates/confirms part number(s), drawing(s), BOM(s)
     2. Reviewer concurs
     3. Approver releases and notifies PM
     4. PM changes PN/Dwg/BOM from ‘N’ to ‘Y’ in PCD Tracking Module
  2. PCD
     1. PM
        1. Creates new or rework/reissue draft PCD from PCD Tracking Module
        2. Submits draft PCD to Production Control and MPM named in PCD Tracking Module - PCD Tool generates email notification to PC reviewer, cc to MPM, with link to Record ID in PCD Tracking Module and link to draft PCD
        3. PCD Tool fills in draft PCD number in PCD Tracking Module
     2. Operations
        1. Reviews draft PCD to verify minimum requirements:
           1. Accurate part number(s)
           2. BOM released
           3. Internal RDD
           4. Work package(s)
        2. Concurs or returns to PM for rework - PCD Tool generates email notification to PM and MPM that PC concurs or provides rework instructions.
     3. PM (if PC concurs)
        1. Approve PCD
           1. PCD replaces draft PCD number to approved PCD number in PCD Tracking Module
           2. PCD Tool distributes approved PCD to all on distribution list
  3. Purchase Requisition
     1. Originator creates PR
     2. Reviewer concurs
     3. Approver issues
     4. MPM Report PR(s) issued at weekly status meeting – changes Man/Clw PR from ‘N’ to ‘Y’ in PCD Tracking Module