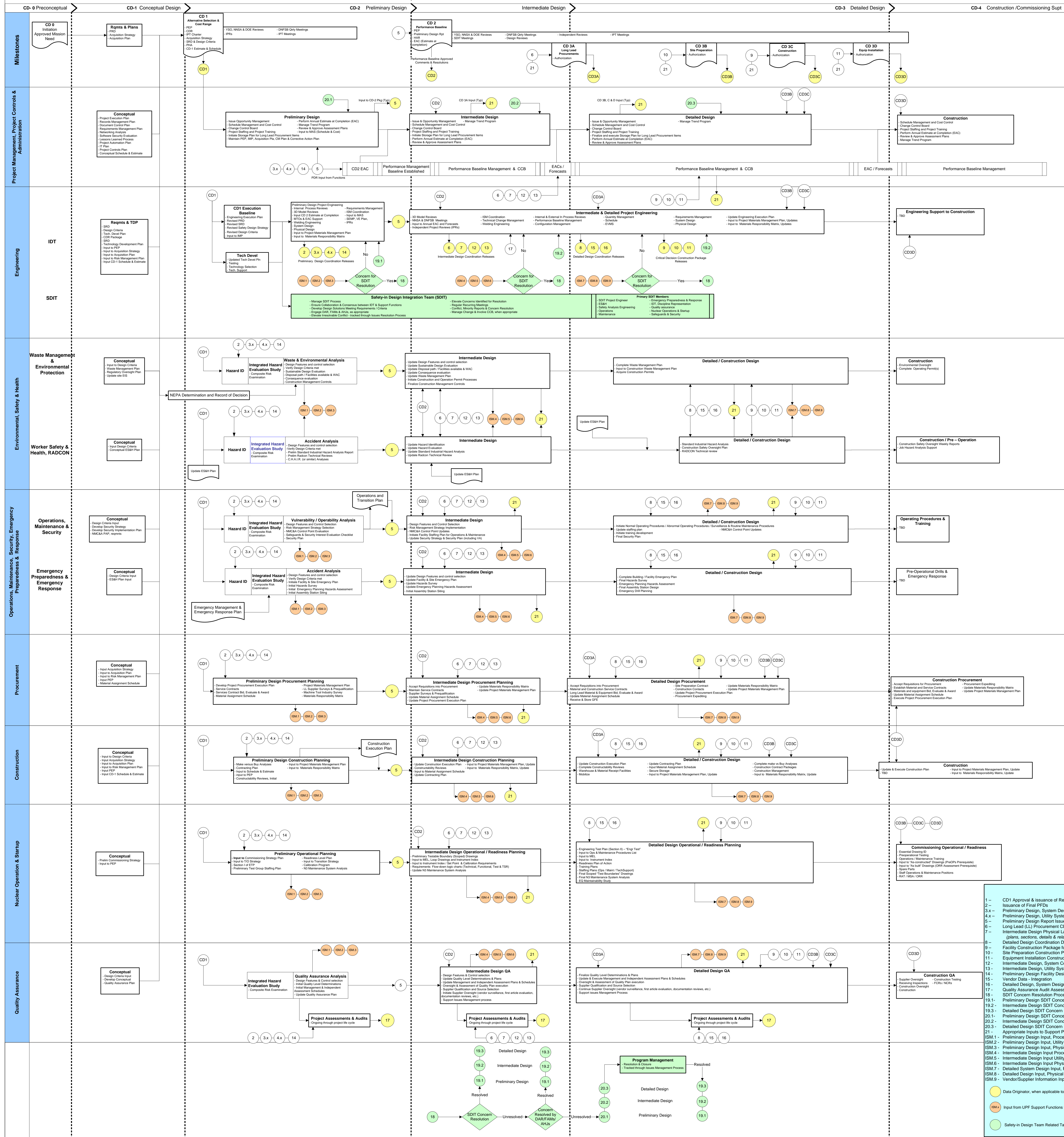


BWXT Y12 UPFF Project Integrated Management Plan, Work Process Flow Diagram, All Functions – Level 1 Attachment 2



NOTES:

1. Work Processes and logic for project phases after the final Critical Decision (CD) – 3 authorization milestone have not been mapped in detail. These work processes will be mapped when the design and technical data is more mature.
2. "Formal" engineering document releases, reference numbers 2 through 16, include IDT coordination activities as depicted on the Work Flow Diagram. The "informal" recurring daily design integration activities between project team members are not depicted.
3. The ISM.x reference numbers indicate "formal" feedback from other project functions to the IDT that result from the "formal" document releases denoted by reference numbers 2 through 16 on the Work Flow Process Diagram.
4. Typ – Typical
TBD – To Be Determined

Key	
1 –	CD1 Approval & issuance of Revised PER, PRD, SRD, DC, IMP & EEP
2 –	Issuance of Final PFDs
3.x –	Preliminary Design, System Design Coordination Issues (2 document releases)
4.x –	Preliminary Design, Utility System Design Coordination Issues (2 document releases)
5 –	Preliminary Design Report Issue for CD – 2, Baseline Approval
6 –	Long Lead (LL) Procurement CD Issue for CD – 3A, LL Procurement Authorization
7 –	Intermediate Design Physical Layout Coordination Data – Integration, (Construction / Fabrication drawings (plans, sections, details & related data)
8 –	Detailed Design Coordination Data – Integration
9 –	Facility Construction Package for CD – 3C, Construction Authorization
10 –	Site Preparation Construction Package for CD – 3B, Site Preparation
11 –	Equipment Installation Construction Package for CD – 3D, Equipment Installation Authorization
12 –	Intermediate Design, System Design Coordination Issue
13 –	Intermediate Design, Utility System Design Coordination Issue
14 –	Preliminary Design, Facility Design Coordination Data – Integration
15 –	Vendor Data – Integration
16 –	Detailed Design, System Design Coordination
17 –	Quality Assurance Audit Assessment Results
18 –	SDIT Concern Resolution Process
19.1 –	Preliminary Design SDIT Concern Resolution
19.2 –	Intermediate Design SDIT Concern Resolution
19.3 –	Detailed Design SDIT Concern Resolution
20.1 –	Preliminary Design SDIT Concern Elevated to PM for Resolution
20.2 –	Intermediate Design SDIT Concern Elevated to PM for Resolution
20.3 –	Detailed Design SDIT Concern Elevated to PM for Resolution
21 –	Appropriate Inputs to Support Package Submission for CD – 3A, CD – 3B, CD – 3C & CD – 3D Authorization
ISM.1 –	Preliminary Design Input, Process System Design
ISM.2 –	Preliminary Design Input, Utility System Design
ISM.3 –	Preliminary Design Input, Physical Design
ISM.4 –	Intermediate Design Input, Process System Design
ISM.5 –	Intermediate Design Input, Utility System Design
ISM.6 –	Intermediate Design Input, Physical Design
ISM.7 –	Detailed System Design Input, Process & Utility System Design
ISM.8 –	Detailed Design Input, Physical Design
ISM.9 –	Vendor/Supplier Information Input & evaluations
Yellow Circle	Data Originator, when applicable to clarify process flow
Orange Circle	Input from UPFF Support Functions to IDT / SDIT
Green Circle	Safety-in-Design Team Related Task

