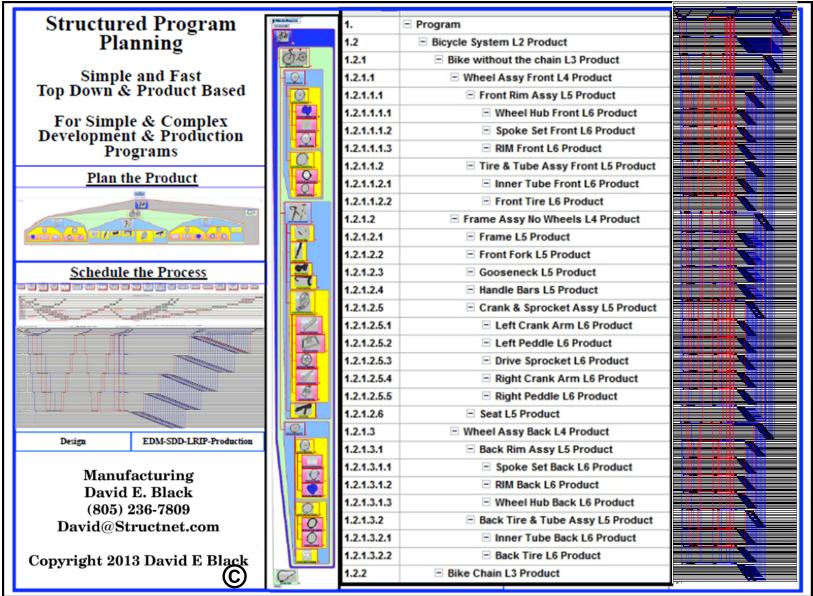
# PBS Aligned with IMS





## Level II IMS Task Names



#### **Defined Process Tasks**

#### **Requirements & Architecture**

- 1. Work Authorization Complete
- 2. Requirements Definition
- 3. Requirements Definition Review (ISRR)
- 4. Requirements Definition Review (ISRR) Complete
- 5. Architecture Definition
- 6. Architecture Definition Review (ISAR)
- 7. Architecture Definition Review (ISAR) Complete

#### Design

- 8. Initial Preliminary Design
- Interim Preliminary Design
- 10. Final Preliminary Design
- 11. Preliminary Design Review (IPDR)
- 12. Preliminary Design Review (IPDR) Complete
- 13. Initial Detailed Design
- 14. Interim Detail Design
- 15. Final Detailed Design
- 16. Detailed Design Review (ICDR)
- 17. Detailed Design Review (ICDR) Complete

#### **Fabrication Release, Receiving & Inspection**

- 18. Procurement
- 19. Manufacturing Readiness Review Meeting
- 20. Parts Delivery
- 21. Parts Fabrication
- 22. Parts Delivery
- 23. Parts Fabrication
- 24. All Parts Complete
- 25. Inspect Parts
- 26. Inspect All Parts Complete

#### Assembly, Integration, Test, Ship

- 27. Assembly
- 28. Integration
- 29. Test Readiness Review (TRR) Meting
- Test Readiness Review (TRR)
- 31. Test
- 32. Consent to Ship
- 33. Ship
- 34. Ship Complete

#### Create a Program IMP/IMS

#### **Strategic Vision:**

A fast and simple method of creating a Program Plan and IMP/IMS for Proposals that can be expanded at the Execution phase, follows the Enterprise process standards, is <u>Consistent</u>, Repeatable, Reusable, and can be easily taught and learned by all stakeholders

#### **Strategic Plan:**

#### A. Create Templates and Repositories.

- Create universal Level II (Model L2) & Level III (Model L3) IMP/IMS Models that can be used for a large number of programs within the enterprise and store them in a Model Repository (MLR).
- 2. Create a PBS Repository (PBSR) to store examples from previous programs.

#### **B. Retrieve, Tailor & Replicate Stored Templates**

- 1. Retrieve Structured Schedule Model that fits the new program.
- 2. Create a new or retrieve a PBS from the PBSR.
- 3. Tailor the Model L2 to fit the program scope to the depth that will be used by the Execution Team.
- 4. Replicate the Model L2 to fit the program scope and PBS to create Initial IMS
- 5. Tailor the Initial IMS to create the Program Level II IMP/IMS (PL II IMS)

#### C. Gather data from Stakeholders

1. Submit the PL II IMS to the proposal team stakeholders, requesting that they add durations and resources to it.

#### D. Analyze IMP/IMS

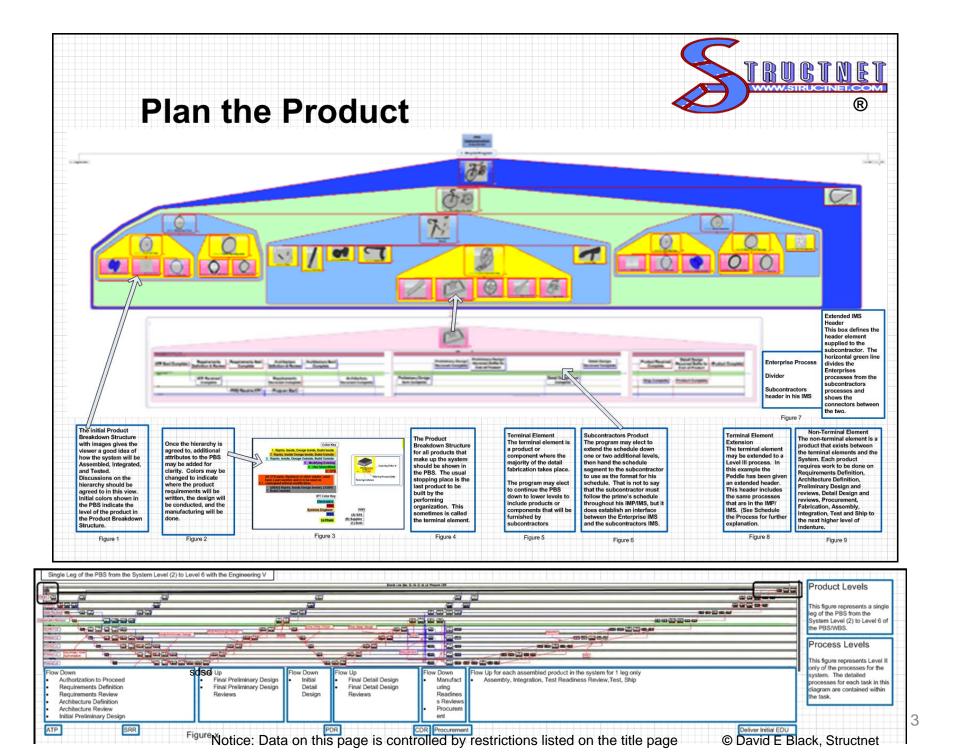
- 1. Identify the Critical Path.
- 2. Identify and tailor the procurement links to meet program duration requirements.
- 3. Run Schedule Risk Assessment (SRA) to find program duration that represents an 80% probability of completing the program on time.
- 4. Repeat steps B,C & D to finalize IMP/IMS.
- 5. Submit final IMS to the Proposal Team for inclusion in the Proposal.

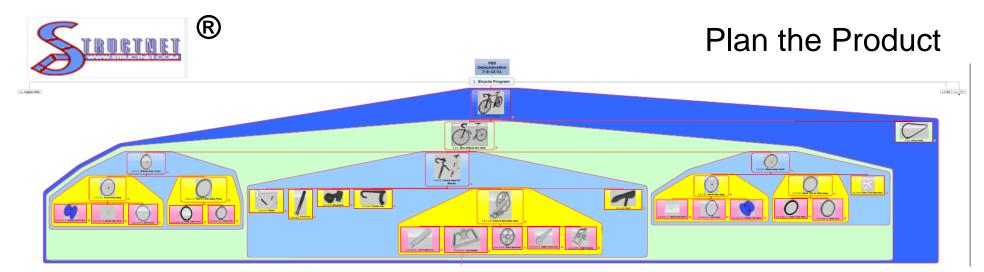
#### E. Program Execution

- 1. Submit to the Program Execution Team after award.
- 2. Expand to meet the detailed requirements of the program using the SLT III templates.

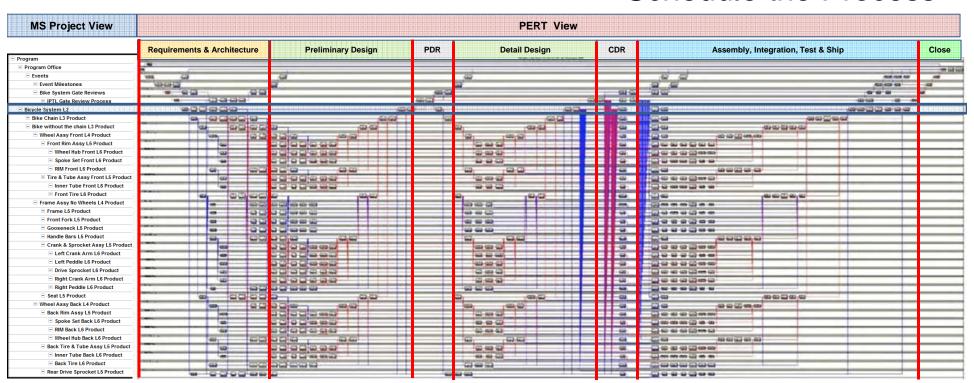
#### Structnet Proprietary/Business Data

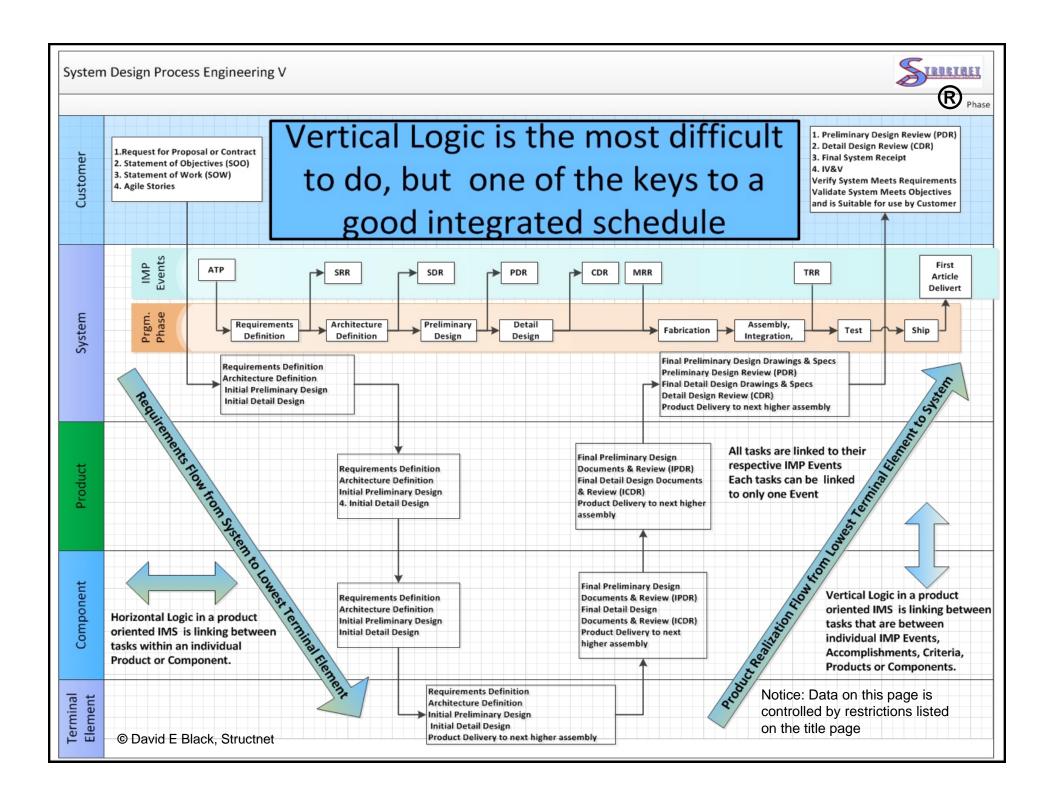
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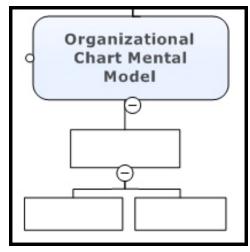
### Schedule the Process



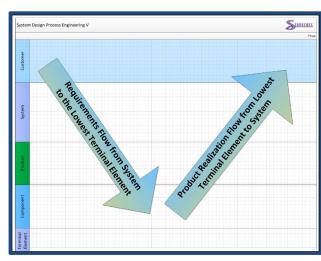




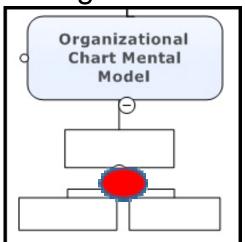
## Five Models



- The idea of a detailed pattern that repeats itself. REPLICATION
- A fractal has a complex scaling ratio that usually exceeds the shape of the space it occupies. ZOOM



Org. Chart



Mind the Gaps

**Fractal** 

**Engineering V** 



### **Process Model**

When these 5 models are used for program planning and scheduling, a high degree of team communication, consistency, repeatability, reusability, accuracy, and speed of schedule creation and evaluation can be achieved.