**DEN 432**

**Congruity Guide**

**Review Gates and Progress Tracking Forms**

**as of 1/10/24**

**Gate 1:**

* **Marketing Requirements Document** **(MRD)**
	+ Market “Pain”
	+ VOC
* **Project Charter Document (PCD)** (The Scope, Duration, Deliverables) . In compliance with the MRD.
* **Project Core Team Assignment Document (PCTAD)**

**Team Deliverables:** In compliance with the MRD, PCD, PCTAD

* + **Executed Team Contract Document (TCD)**
	+ **Executed Letter of Engagement (L of E)**
	+ **Preliminary Project Plan (Gantt Chart) (PPP)**

**Gate 2:**

**Team Deliverables:**

* **Product Requirements Document** **(PRD).** In compliance with the MRD, PCD, PTAD,TCD, PPP.
* **Product Concept Document** **(PCD)** (in compliance with the PRD)

incorporating :

* Benchmarking (competitive scan, best practices)
* Fuzzy Front End (brainstorming)

**Gate 3:**

**Team Deliverables:**

* **Engineering Requirement Document** **(ERD).** In compliance with the PRD, the PCD and, the Technology Readiness Assessment **(TRA).**
* **Preliminary Design.** In compliance with the ERD.
* **Design for X Iteration Process** **(DFXIP)**
	+ Design for X Checklists Completed (separate document)
* Morphology Chart (Design Rationalization) Developed **(MC)**

**Gate 4:**

**Team Deliverables:**

* **Final Design Document (FDD)** in compliance with the DFXIP.
* Bill of Material (quantities, supplier(s), omit the unit cost.
* Dimensioned Drawings
* Prototype (optional)
* **Methods and Procedures (M&P)** in compliance with the FDD.
* **Hand-off Document (HOD)** in compliance with the FDD and the M&P.
* **Final Project Report (FPRD)** based on the **HOD**