**1: Mision / Vision**

**1.1: Objectives**

**1.2: Description**

**2: Use Cases**

**2.1: Problems**

**2.3: Solution**

**3. Approach**

**3.1: Services Features**

**3.1.1: Reactive / Event Driven**

**3.1.2: Augmentation Dataflow**

**3.1.3: Ontology Matching**

**4: RDF Introduction**

**5: RDF Quads / Objects Mapping**

**6: Models**

**6.1: Layers**

**6.1.1: Interaction Layer**

**6.1.1: Data Layer**

**6.1.2: Schema Layer**

**6.1.3: Behavior Layer**

**6.2: Model Facets**

**6.2.1: Functional Facet**

**6.2.2: Semiotic Facet**

**6.2.3: Dimensional Facet**

**6.3: Model Levels**

**6.3.1: Model Source Level (Backend)**

**6.3.2: Model Session Level**

**6.3.3: Model Interaction Level**

**6.4: Model Monad**

**6.5: Functional APIs**

**6.6: Streams (Contexts, Kinds, filters)**

**6.7: Transforms (MetaModel).**

**7: MetaModel**

**7.1: MetaResource**

**8: Resource APIs**

**8.1: Resource Monad**

**8.2: Functional APIs**

**8.3: Streams (Occurrences, etc.)**

**8.4: Transforms (Augmentation)**

**9: Messages API**

**9.1: Message Monad**

**9.2: Functional APIs**

**9.3: Streams (Signatures)**

**9.4: Transforms (Mapping)**

**9.5: Persistence**

**10: IDs: Addressing / Encoding**

**11: Dataflow**

**11.1: Model Interaction Layer matches Messages**

**11.2: Interaction Layer Augmentation dataflow**

**11.3: Meta Resources (Template, Transform) / Transform dataflow embeddings**

**11.4: Signatures. Addressing / Discovery**

**12: Augmentation**

**12.1: Augmentation Functor(Message, Message) : Events**

**12.2: Augmentation Functional APIs**

**12.3: Streams (Dataflow Model Events declaration)**

**12.4: Meta Resources: Interaction IO (Messages Meta Resources bindings / embeddings / prompts / mappings)**

**13: Ontology Matching**

**14: Deployment**

**14.1: Bus**

**14.2: Service**

**14.3: Connector**

**15: Default Services**

**15.1: Registry**

**15.2: Index**

**15.3: Naming**

**16: Default Augmentations**

**16.1: Aggregation**

**16.2: Alignment**

**16.3: Activation**

**17: Implementation**

**18: Client Platforms**