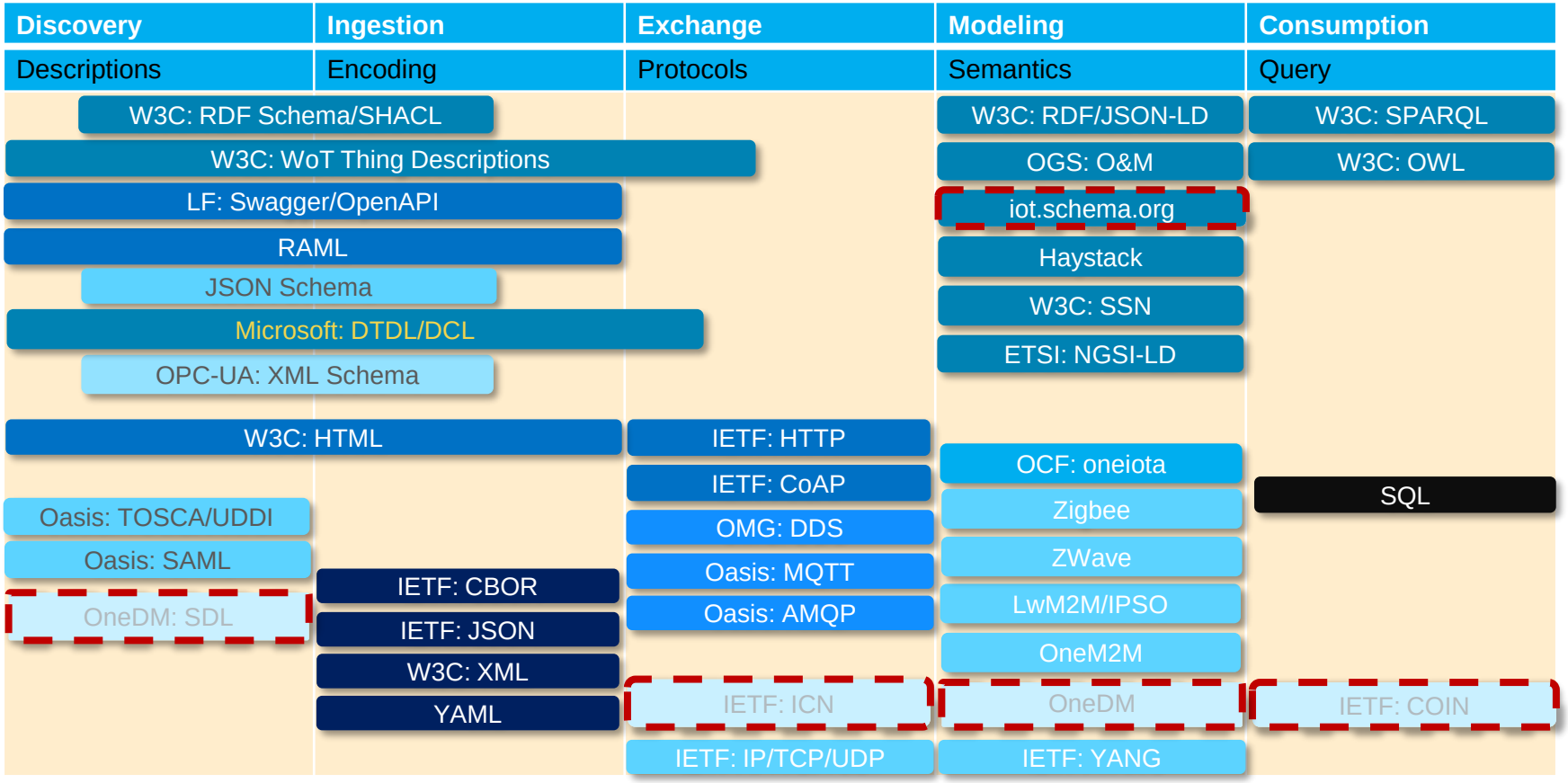
WHAT IS "INTEROPERABILITY"?

1. **Ingestion Interoperability:** Connect Data Sources to Data Stores
   - Normalize data using common semantics upon data ingestion.
2. **Transfer Interoperability:** Connect Multiple Stacks
   - Exchange data between vertical silos.
3. **Mesh Interoperability:** Connect Devices and Services
   - Communication and control among distributed devices and services
4. **Application Interoperability:** Deploy Code across a Distributed System
   - Manage applications running in portable and secure contexts.

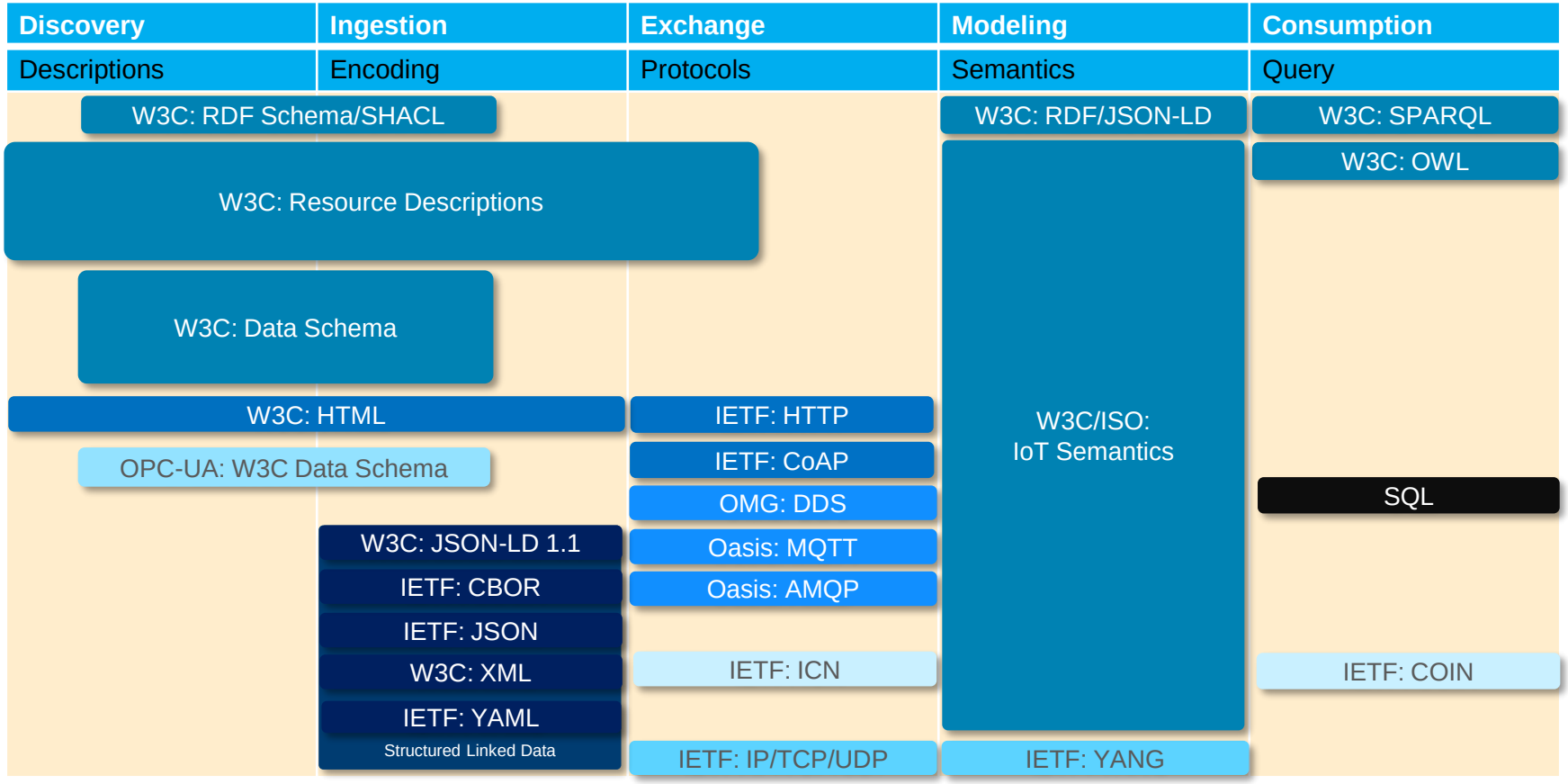
INTEROPERABILITY TYPE VS. TECHNICAL REQUIREMENTS:

Priority	Requirement / Type	Interaction Abstraction	Data Interpretation	Discovery Mechanism	Application Environment
1	**Ingestion**	Description	Data Model		
2	**Transfer**	Description	Data Model		
3	**Mesh**	Description	Data Model	Introduction, Directory	
4	**Application**	APIs and/or Description	Data Model	Introduction, Directory	Management, APIs, Runtime

IOT DATA AND METADATA STANDARDS MAP: START STATE



IOT DATA AND METADATA STANDARDS MAP: TARGET STATE



CRUD(N) | Pub/Sub | RDF | Relational | Structured | OCF | Other

DATA STANDARDS CONVERGENCE TIMELINE