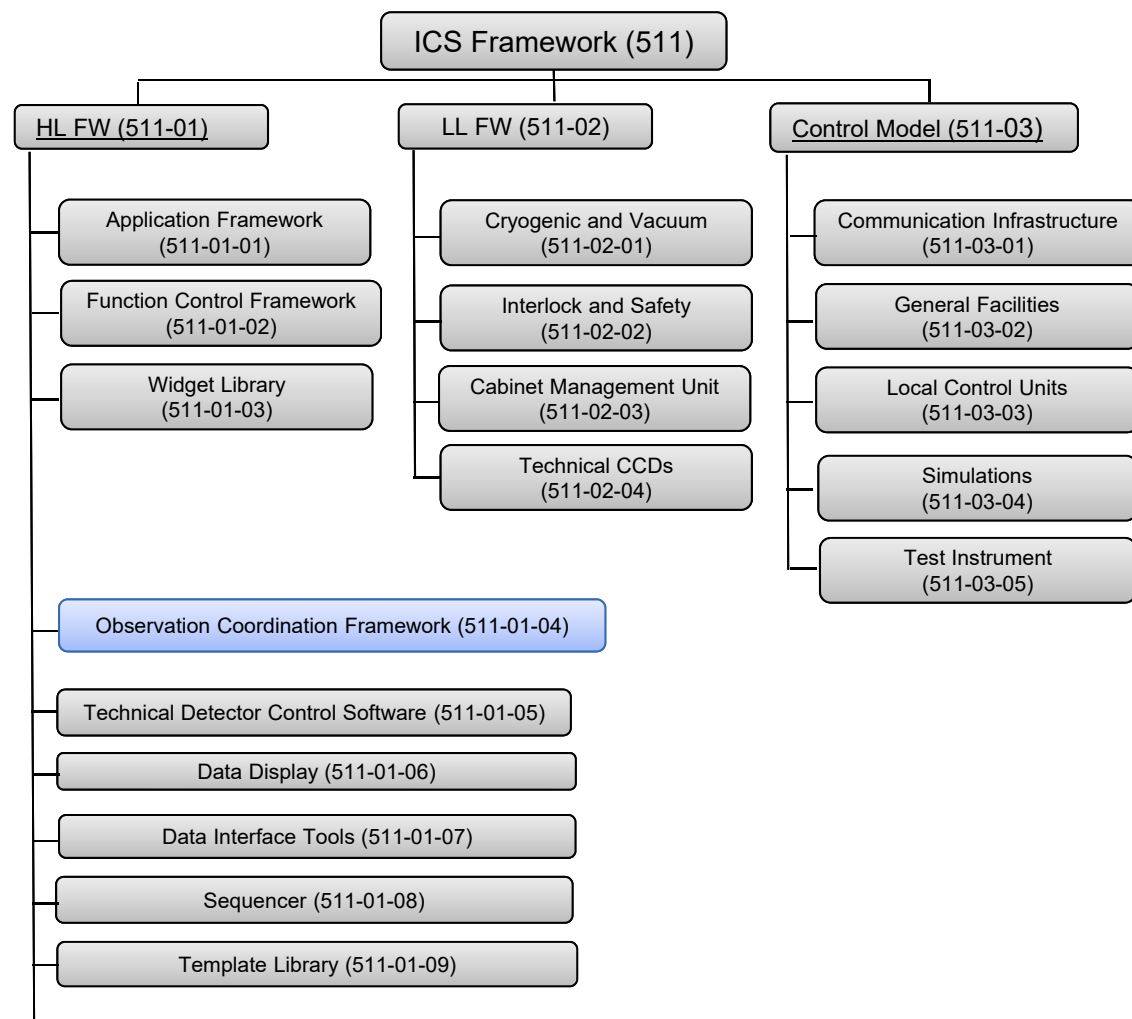




Observation Coordination Framework

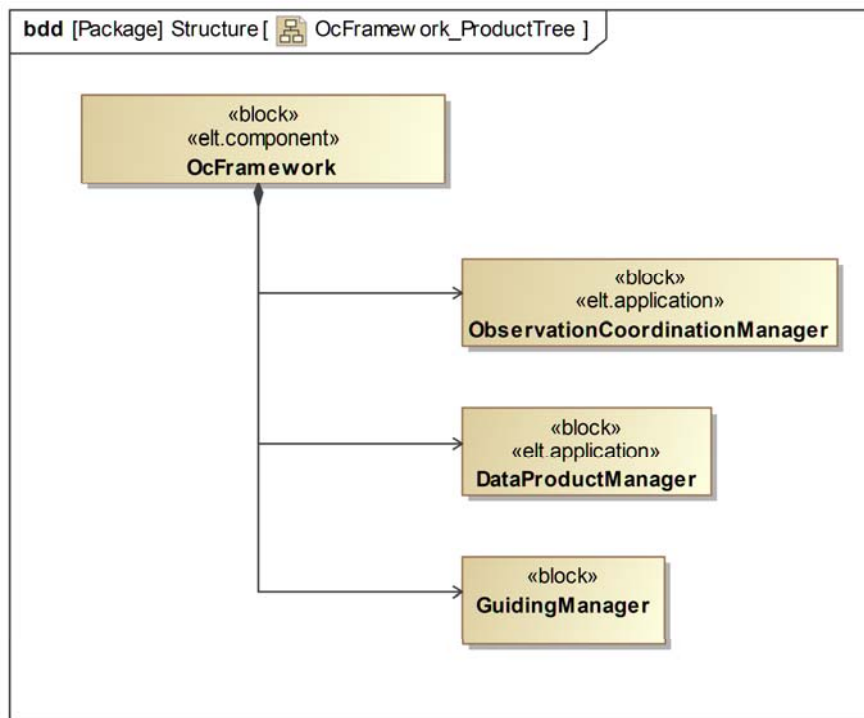
Calle Rosenquist





Observation Coordination Framework

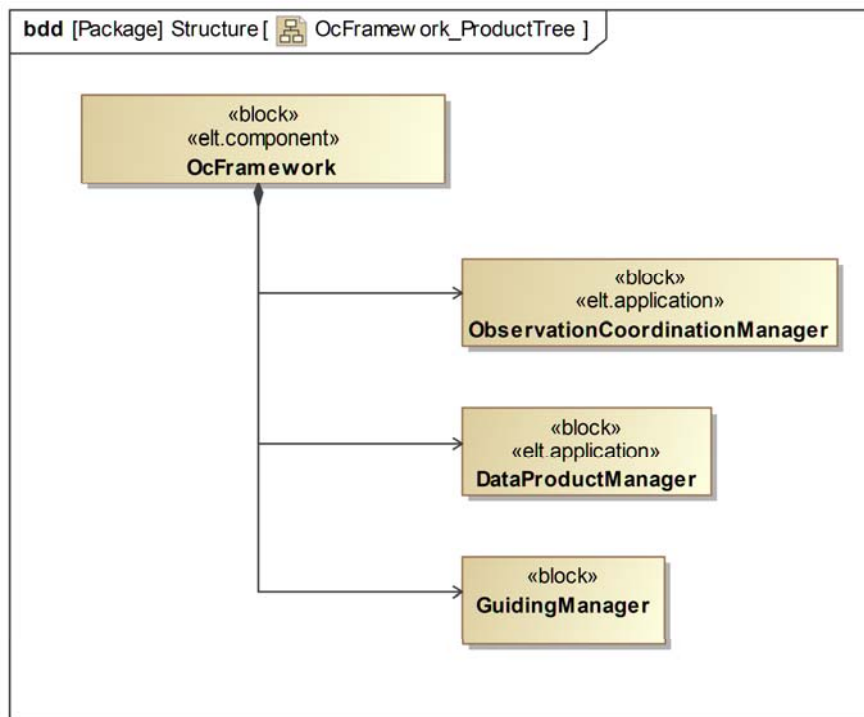
Introduction



- Current Baseline
- Preliminary Design
- Control & Data Flow

Observation Coordination Framework

Introduction



OCM

- Coordinates data acquisition

DPM

- Creates FITS files

GM

- Slow guiding facilities
- Custom



Terminology

➤ Data Acquisition

The process of acquiring data captured by science detectors or other systems

➤ Primary Data

Typically science detector data

➤ Meta Data

Any supporting data, e.g. device manager status information

➤ Data Product

FITS file



Goals

■ Focused Responsibility

■ Standardise Interfaces

■ Avoid SW
Customization*

Instead:

➤ Configuration

➤ Interface

■ OCM

➤ Data Acquisition

➤ Coordination

➤ Interfaces with data
providers

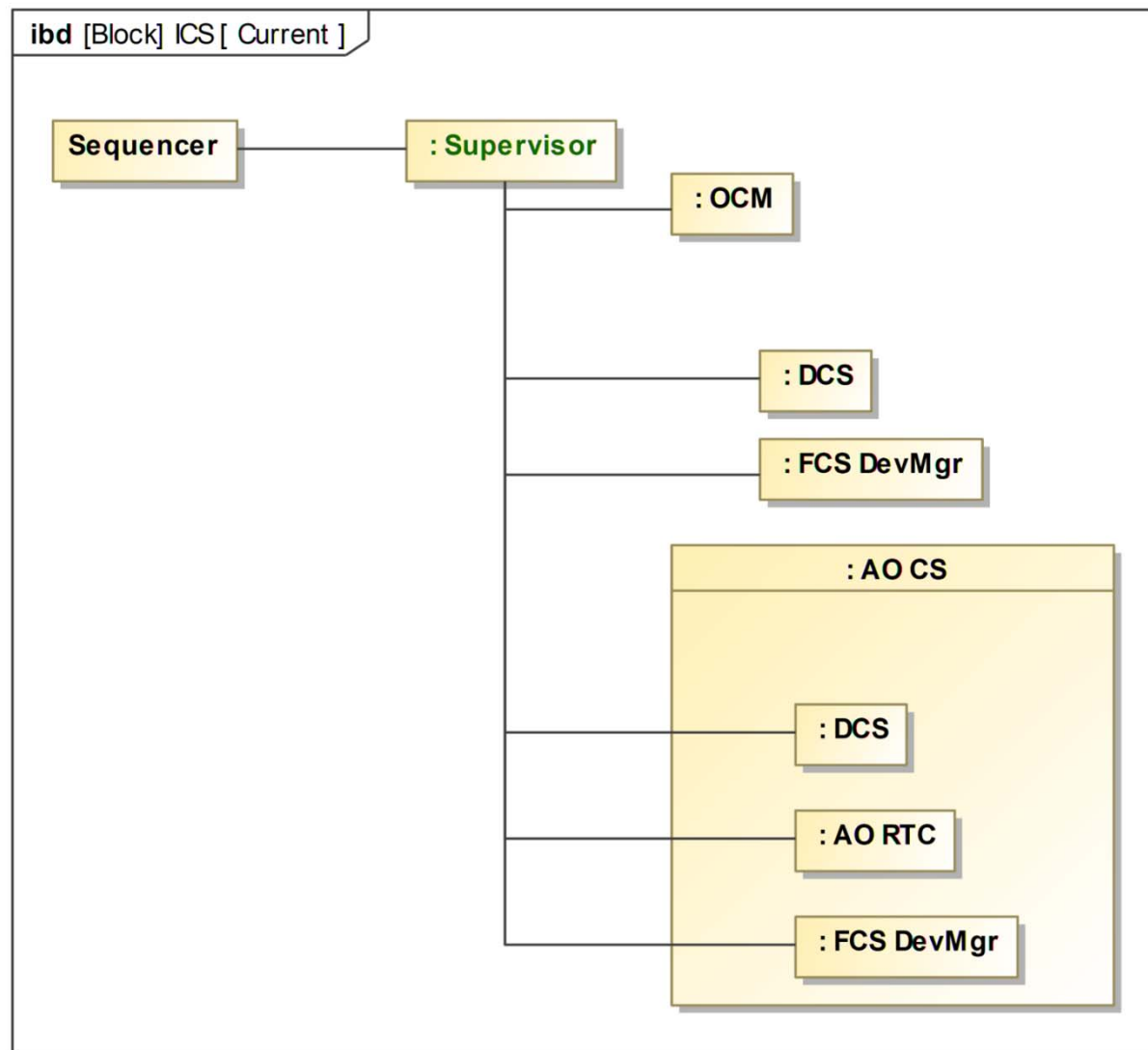
■ DPM

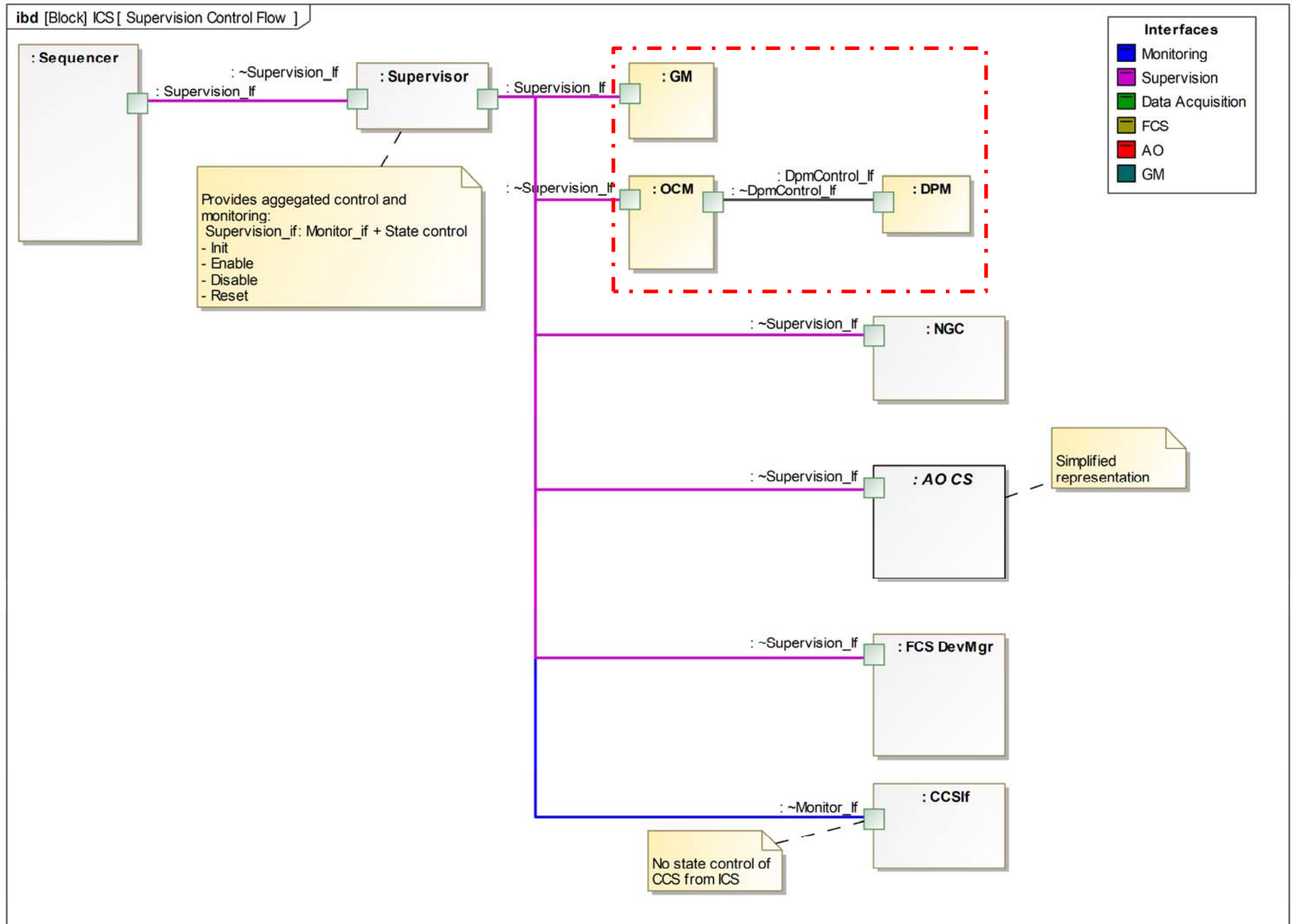
➤ Collect Data

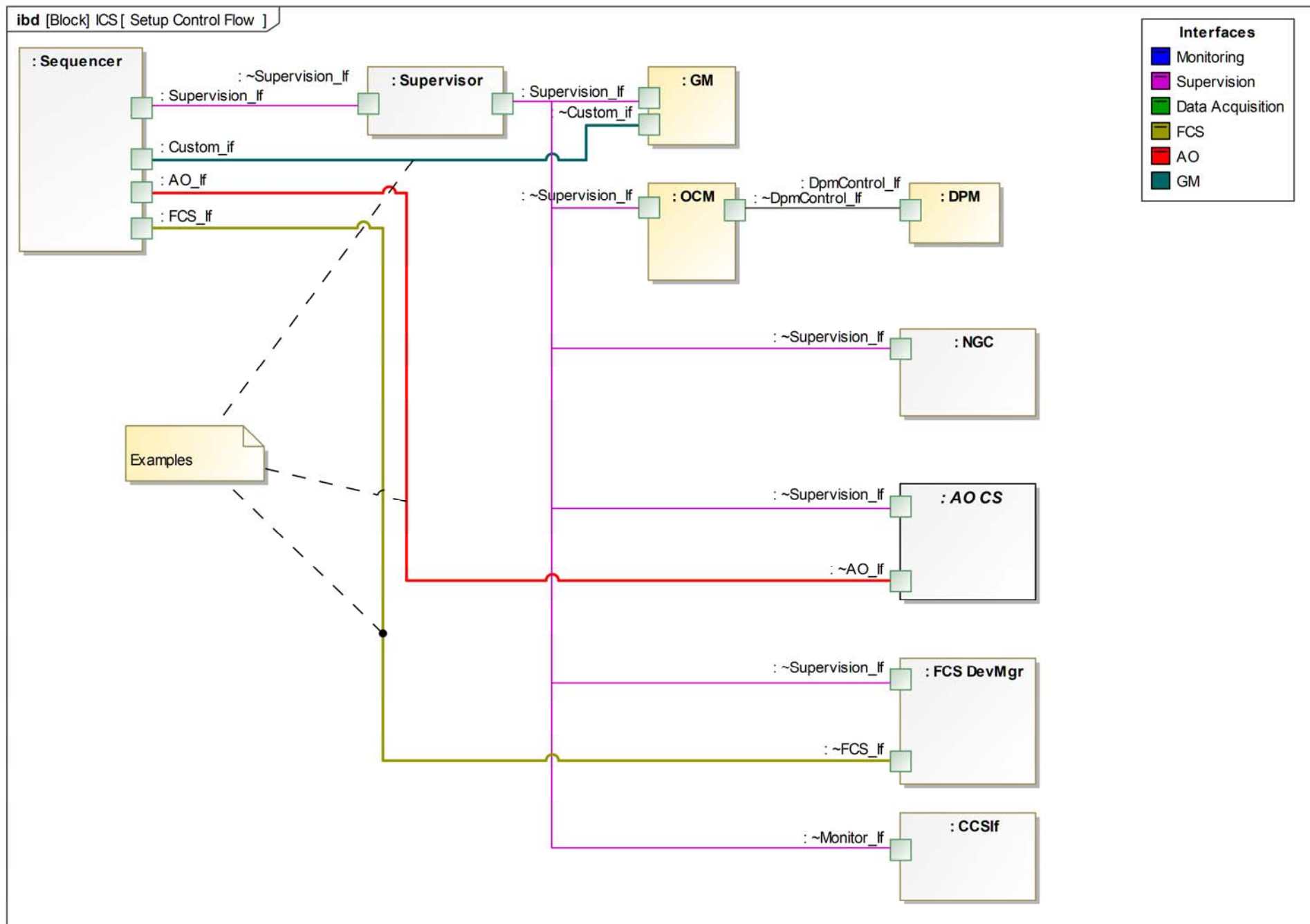
➤ Create Data Products

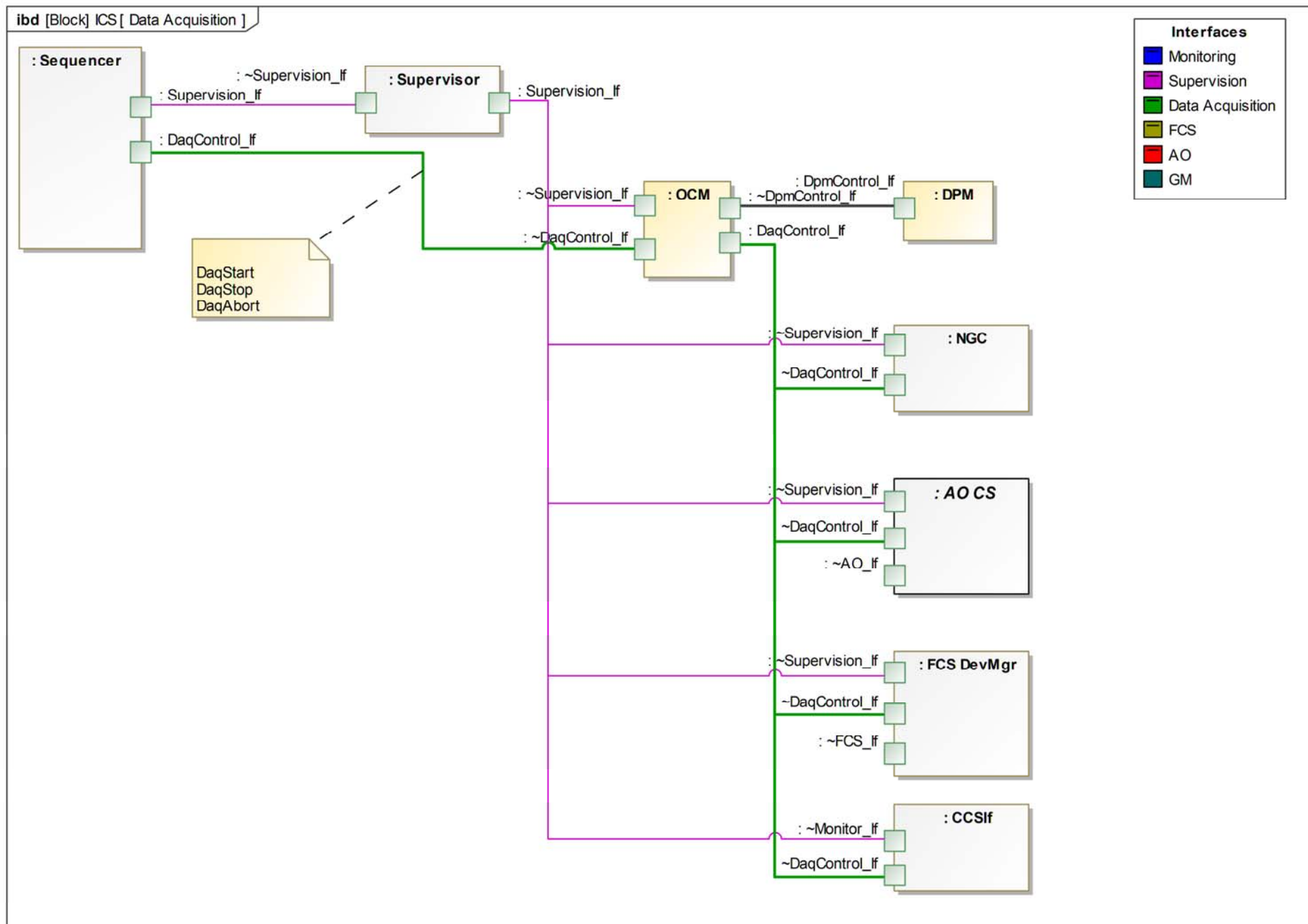
➤ Interfaces with On-Line
Archive System (OLAS)

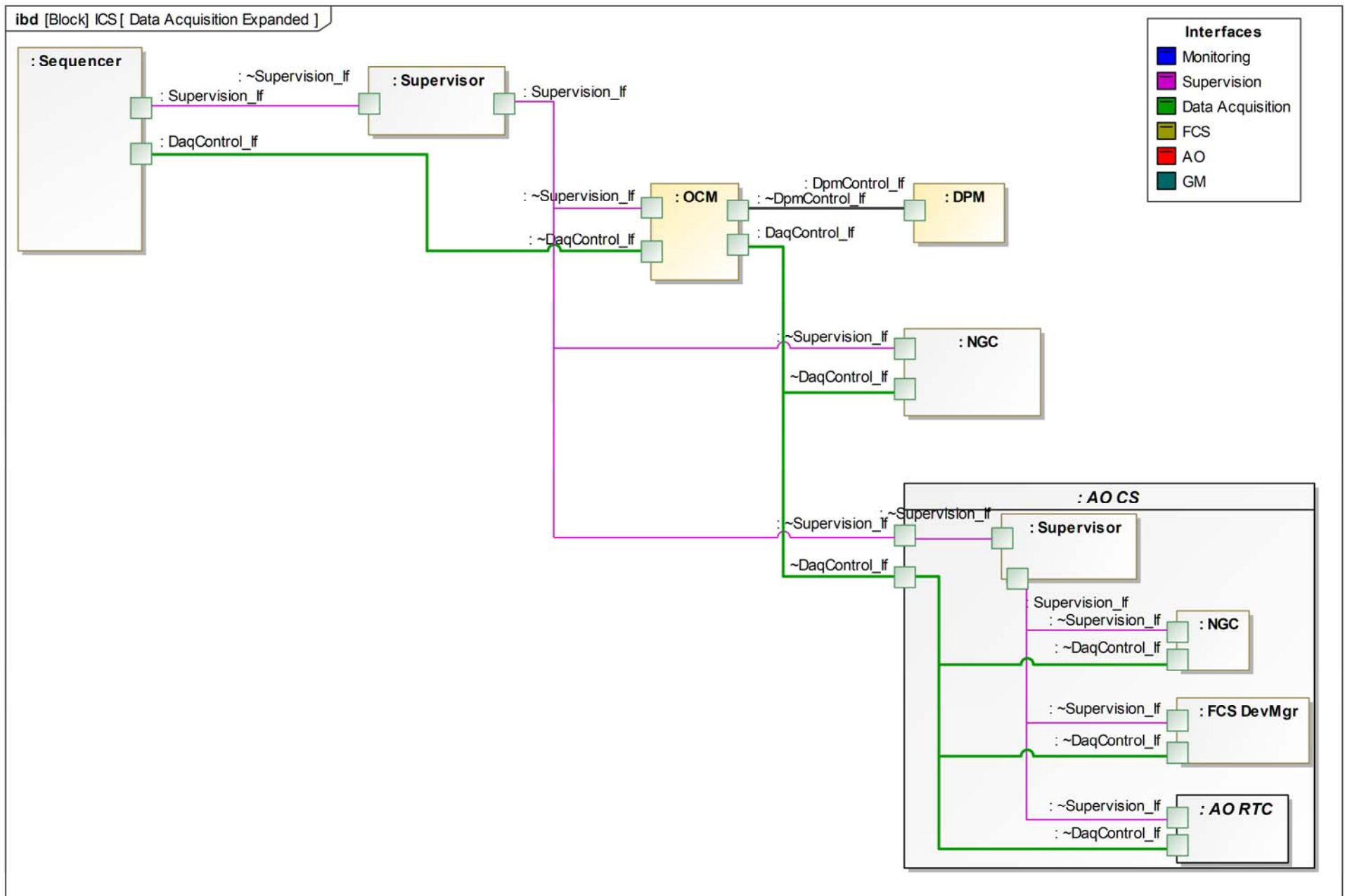
Previous Baseline

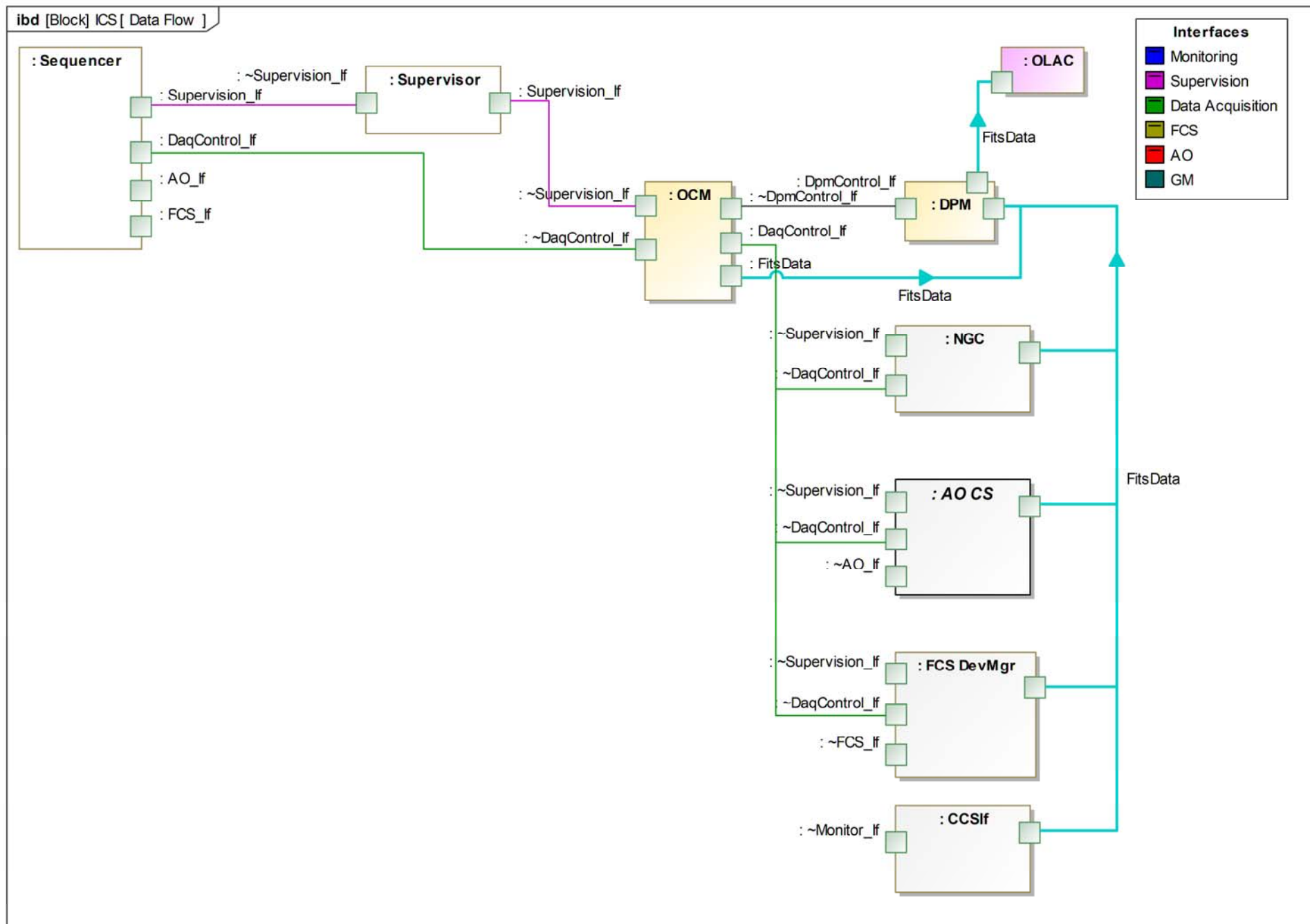












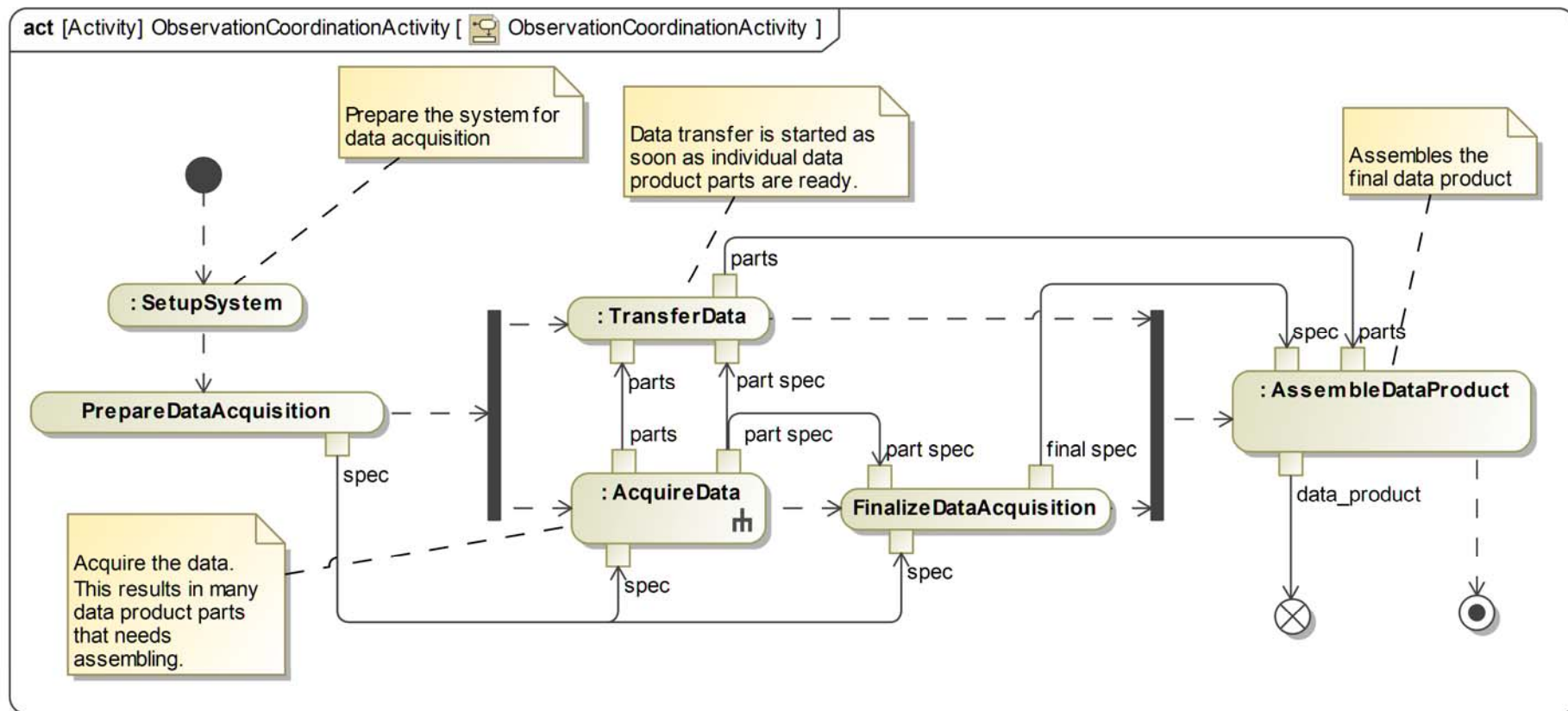
Features

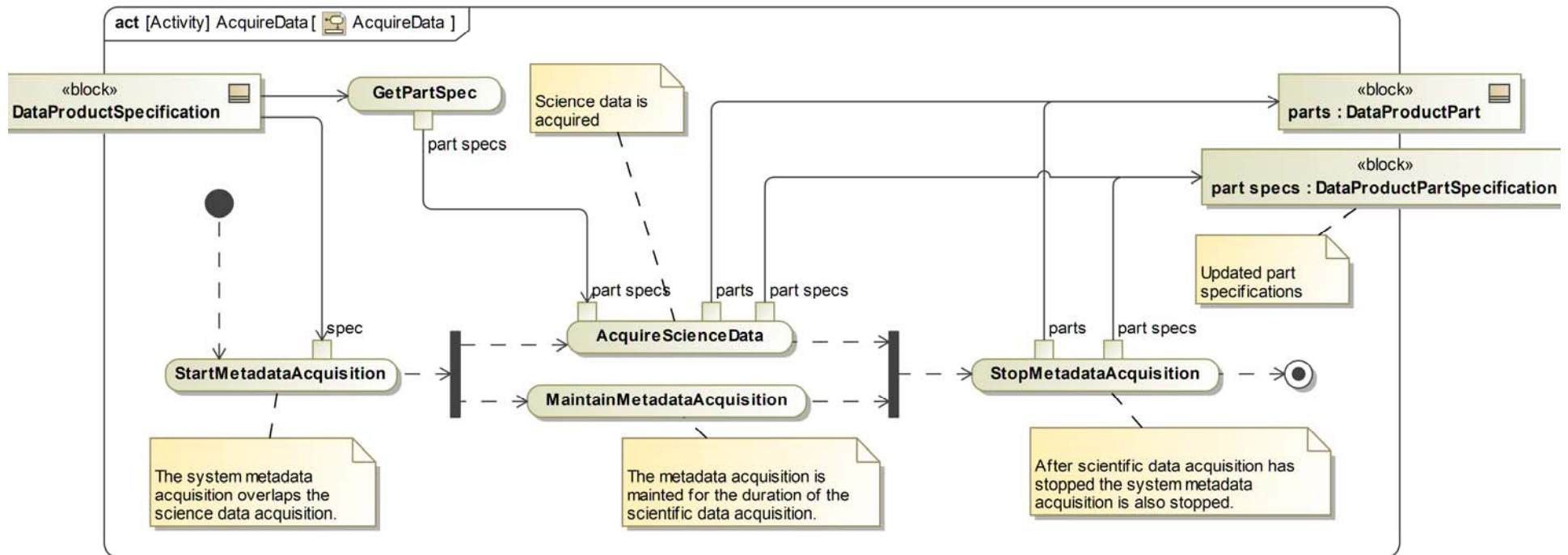
- Concurrent Data Acquisitions
- Multiple Detector per Data Product
- Offline or deferred "merging"
- Multiple Data Products per Data Acquisition*
 - Science + e.g. auxiliary AO data

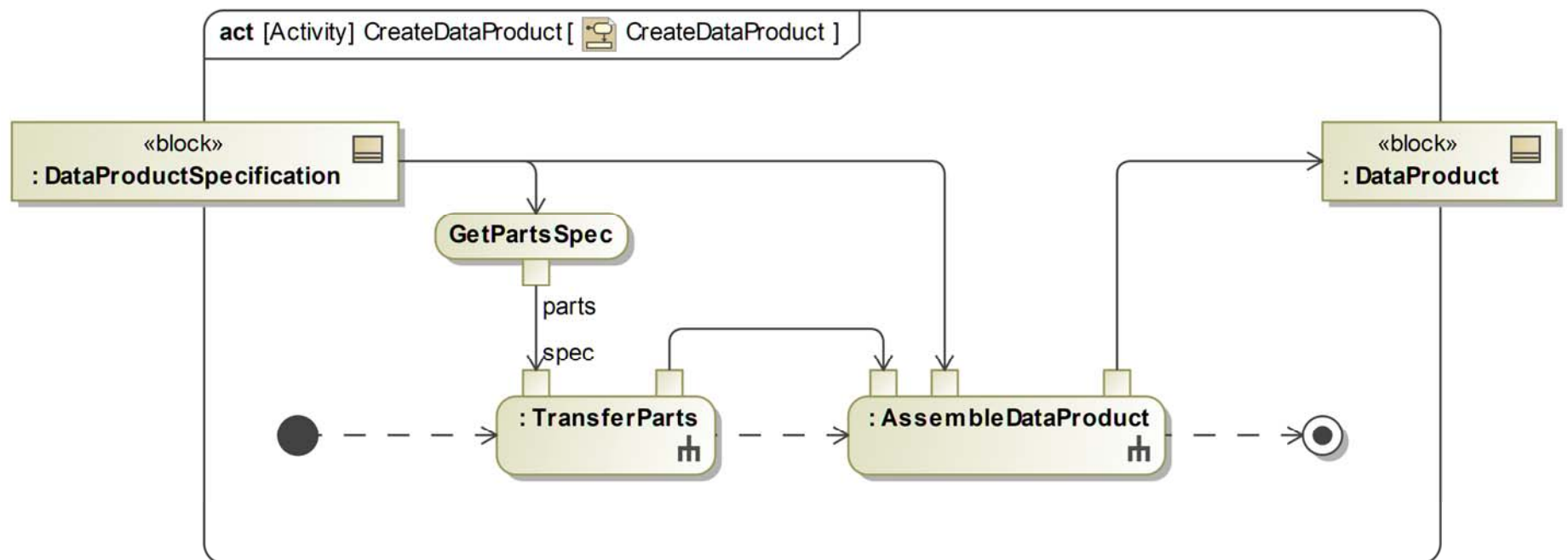
Provided Interface

- Controlling DAQ
 - Start/Stop/Abort
- Control Data Product Creation*
- Synchronize to different points

Data Acquisition









Questions?