MDC Pt. Infusion DAM – Framework (Model of Models)

Clinical Use Context: Control/Flow Model

Functionality generally involves supervisory (semi-automatic) feedback control and data acquisition (SCADA) for results observation, distributed between Enterprise and PoC topological levels.

Application Context : Device Model

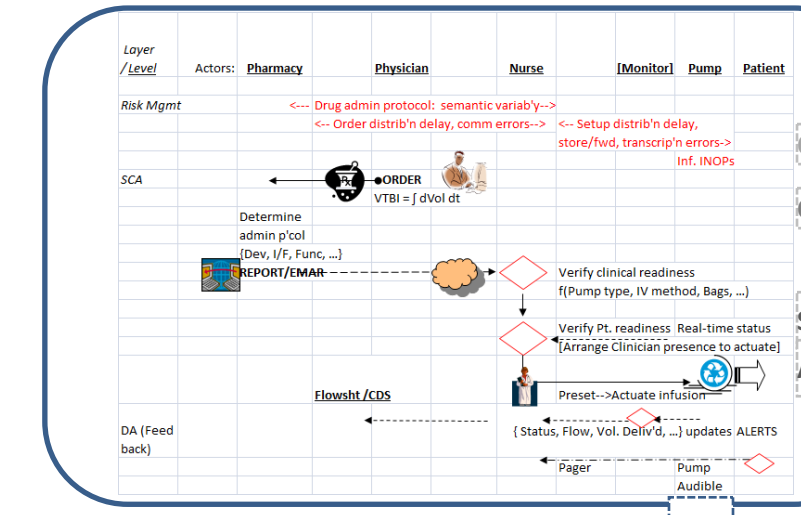
Top: **Functional model**

Bottom: **Domain Info Model (DIM)**

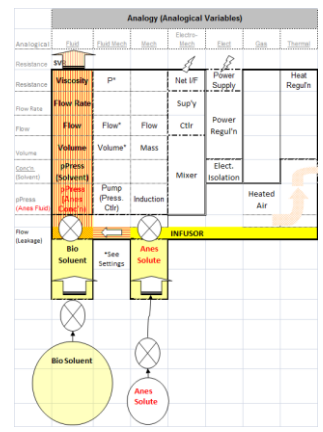
(Ctree) variations among Large Volume (LVP), Syringe, and Pt. Controlled Analgesic (PCA) Pump types .

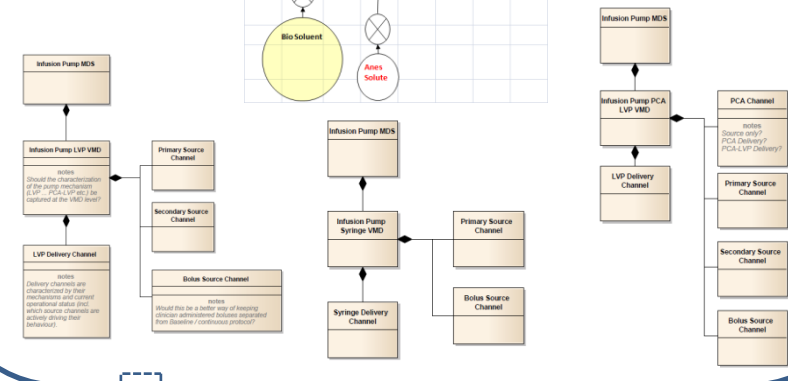
→ **Metrological, Alert models**

SCADA. MEDical DEVices, in terms of key info contributors, are largely structurally organized sets [/clusters] of Metrical abstractions [/instances]), chiefly NUMeric and ENUMational. Most pertain to regularly OBServed physioclogical variables, some remotely controllable, and others to infrastructural configuration and status. Physiological observations and controls are typically "modally" related due to the device facilitating medical diagnostic and therapeutic functions.

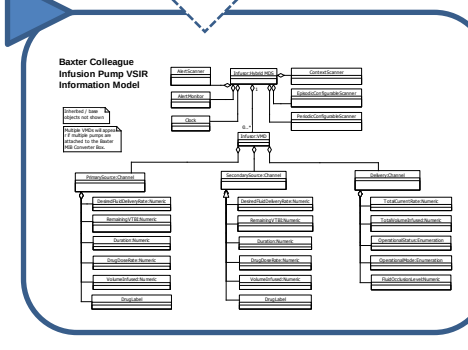


Device model

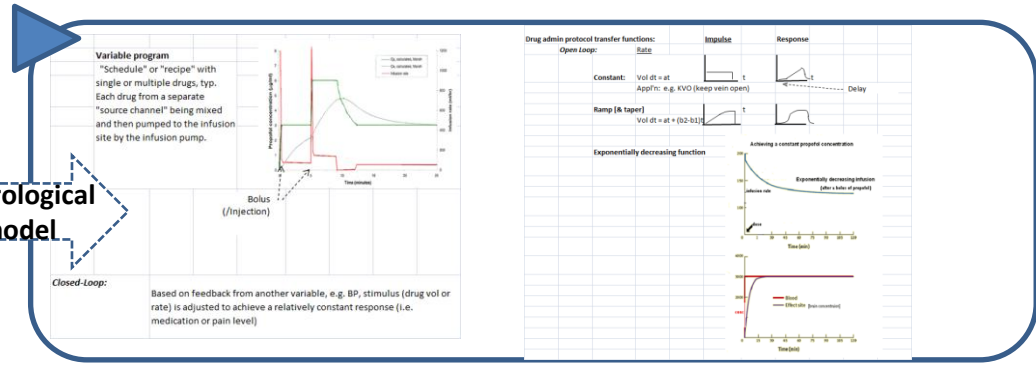




DIM



Metrological model



Clin. Workflow & Logistix

Clin. Info. & Dec. Supp.

Supervisory Control And Data Acq'n (SCADA)

Generally layered (vert.) and phased (horiz.) modally and
← Retro Intro Pro →
v
-spectively
mutli-variately temporally