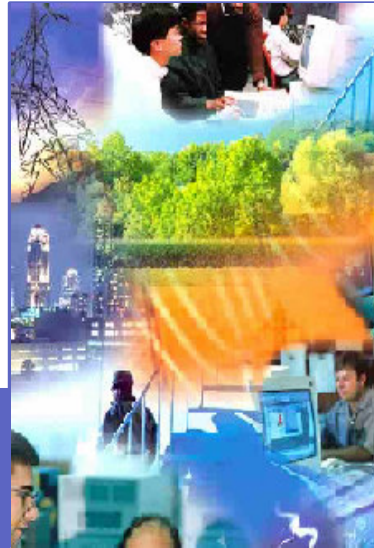




Klaus-Peter Brand

April 2006

Application of the Data Model of IEC 61850

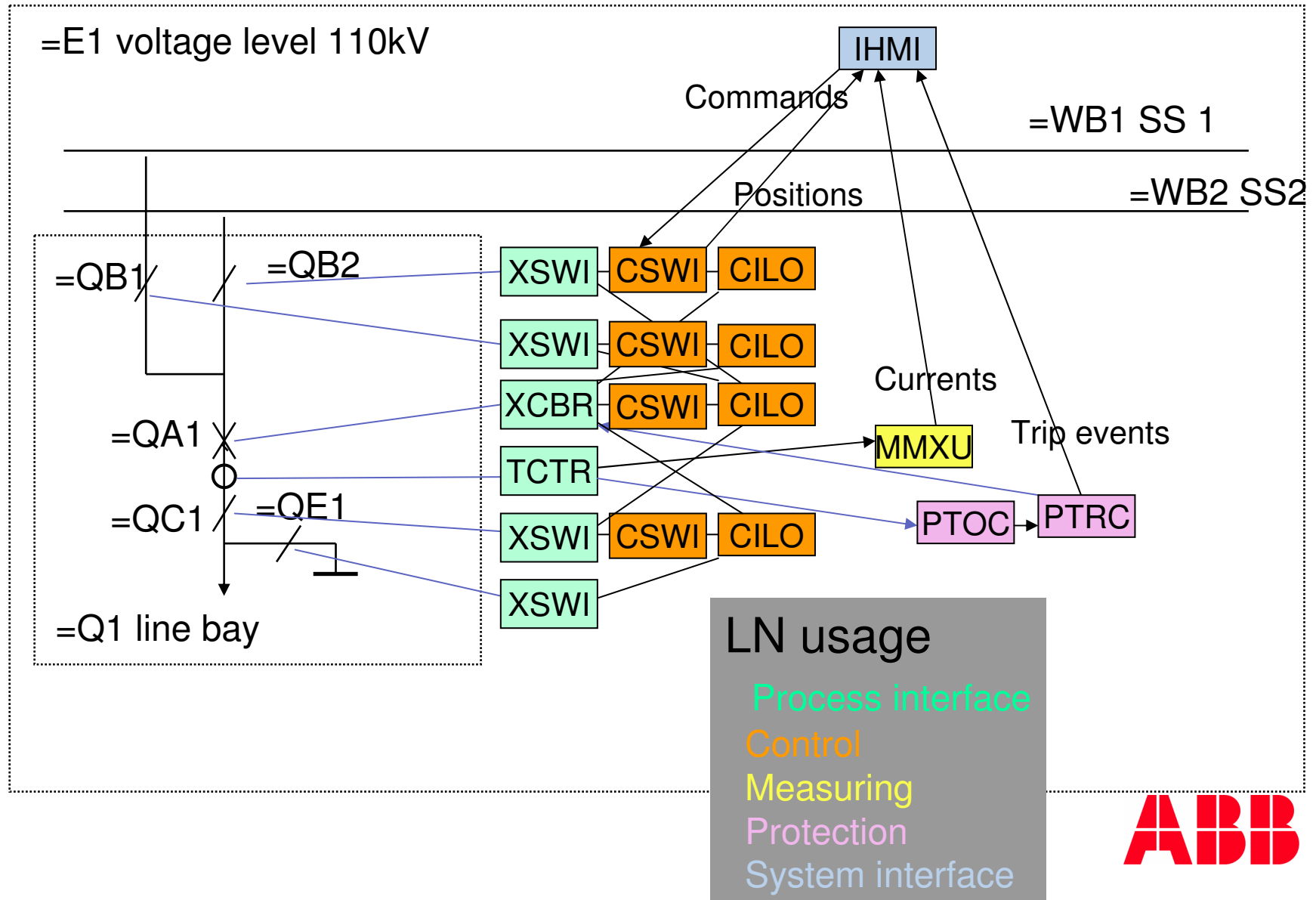


IEC 61850

Application of Data Model

Refers to IEC 61850-7-y

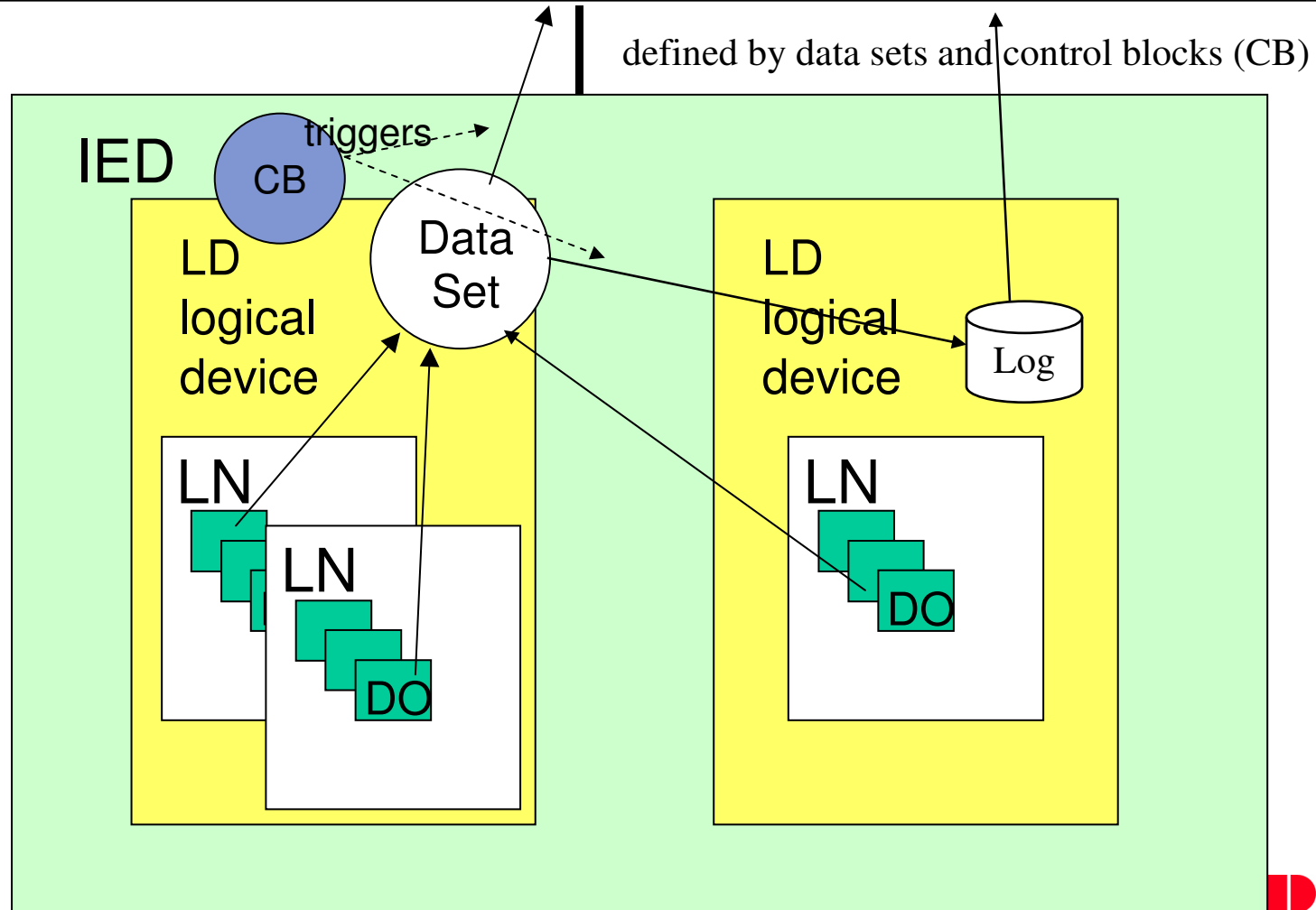
- Application of data model

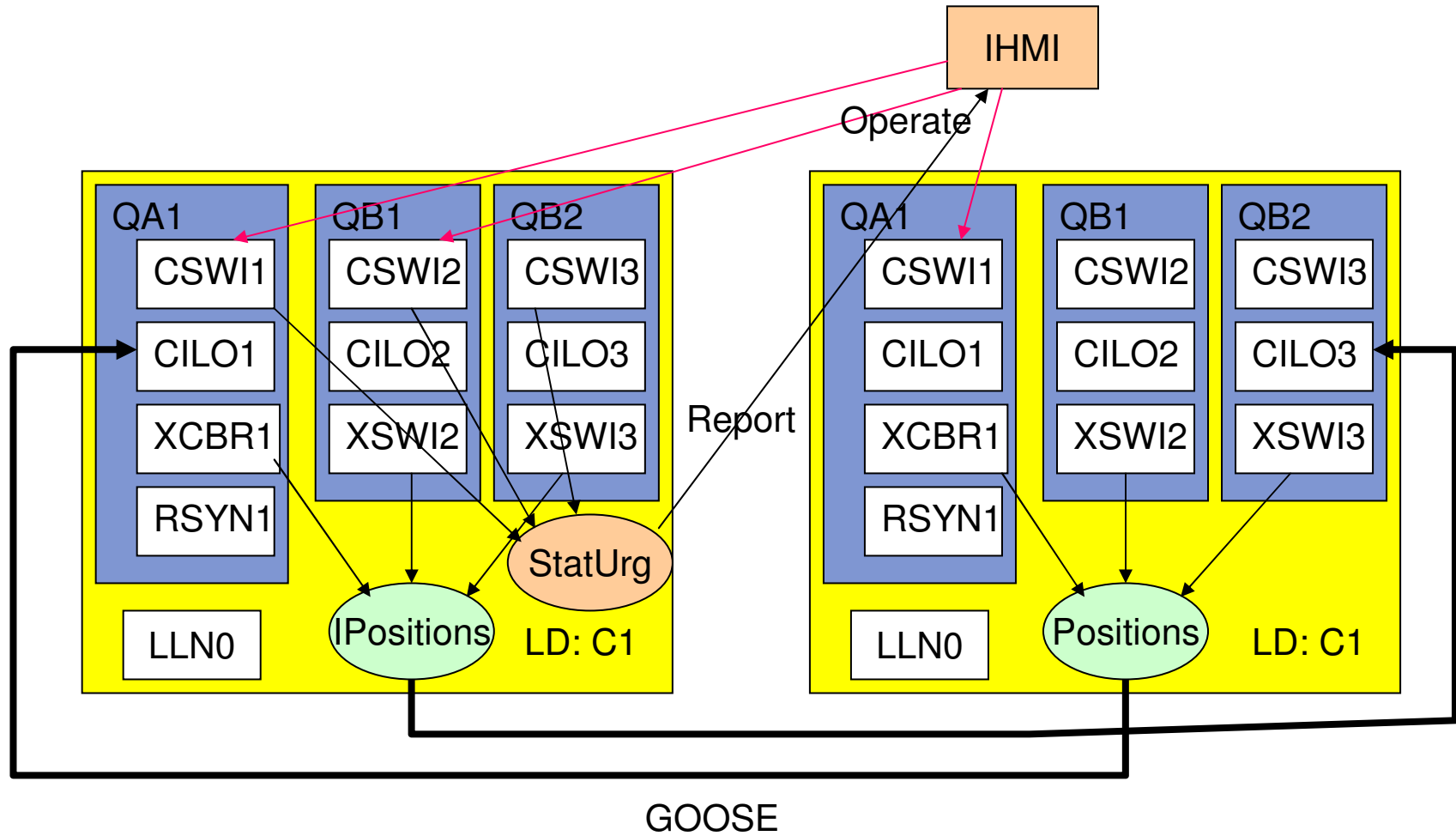


- Process interface – function (– system interface)
 - At least **two** LNs per function
- Protection
 - Trip by **XCBR**
 - Trip conditioning by **PTRC**
 - One **PDIS** instance per zone
 - **PSCH** / **MDIF** hide communication with other line side (to be standardized)
- Disturbance recorder
 - All LNs belonging to one disturbance recorder must form one LD with **one RDRE** and one LLN0



Log, unbuffered report or buffered report



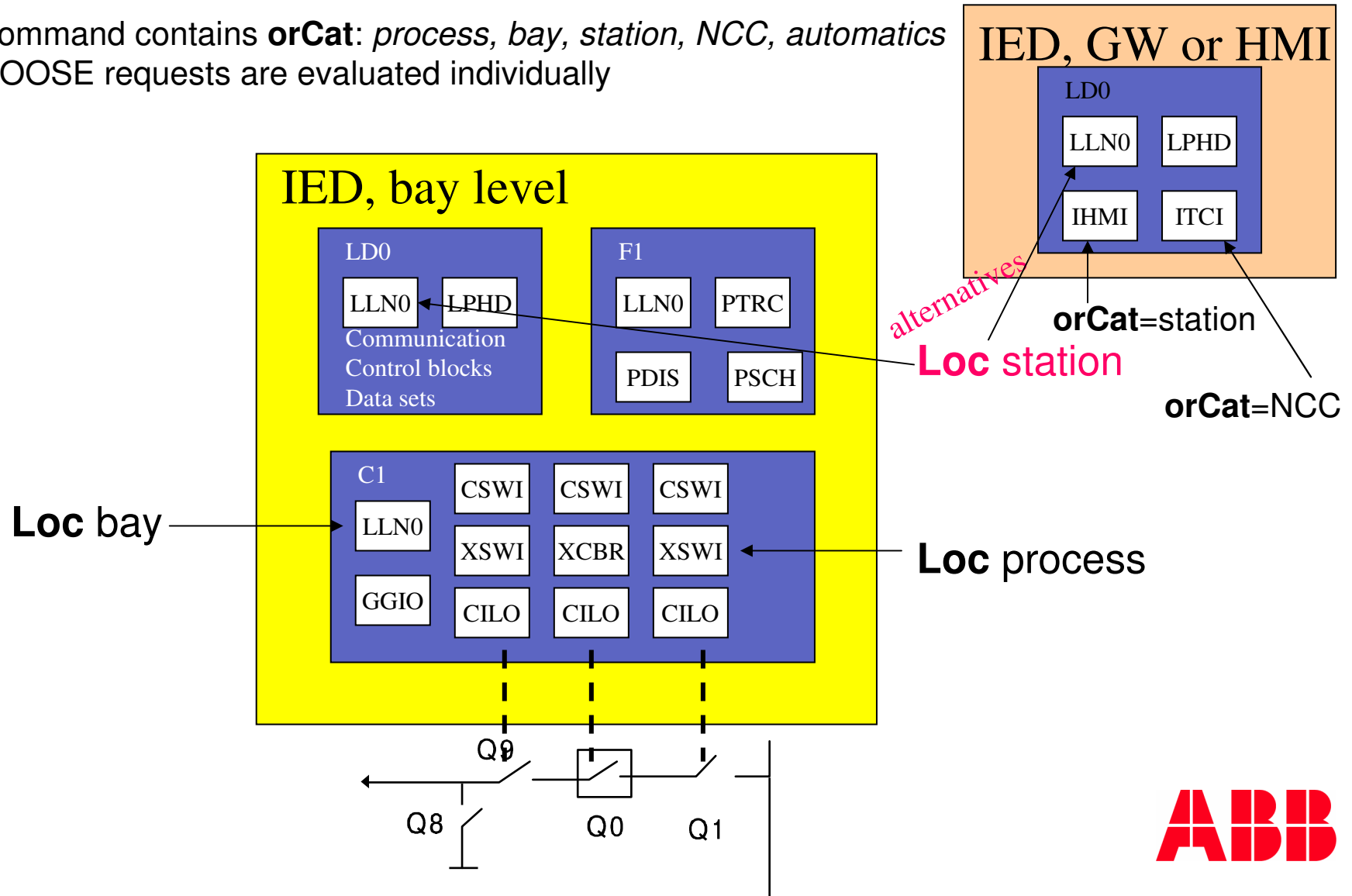


Note: for command reservation also CSWlx.stSeld is in GOOSE

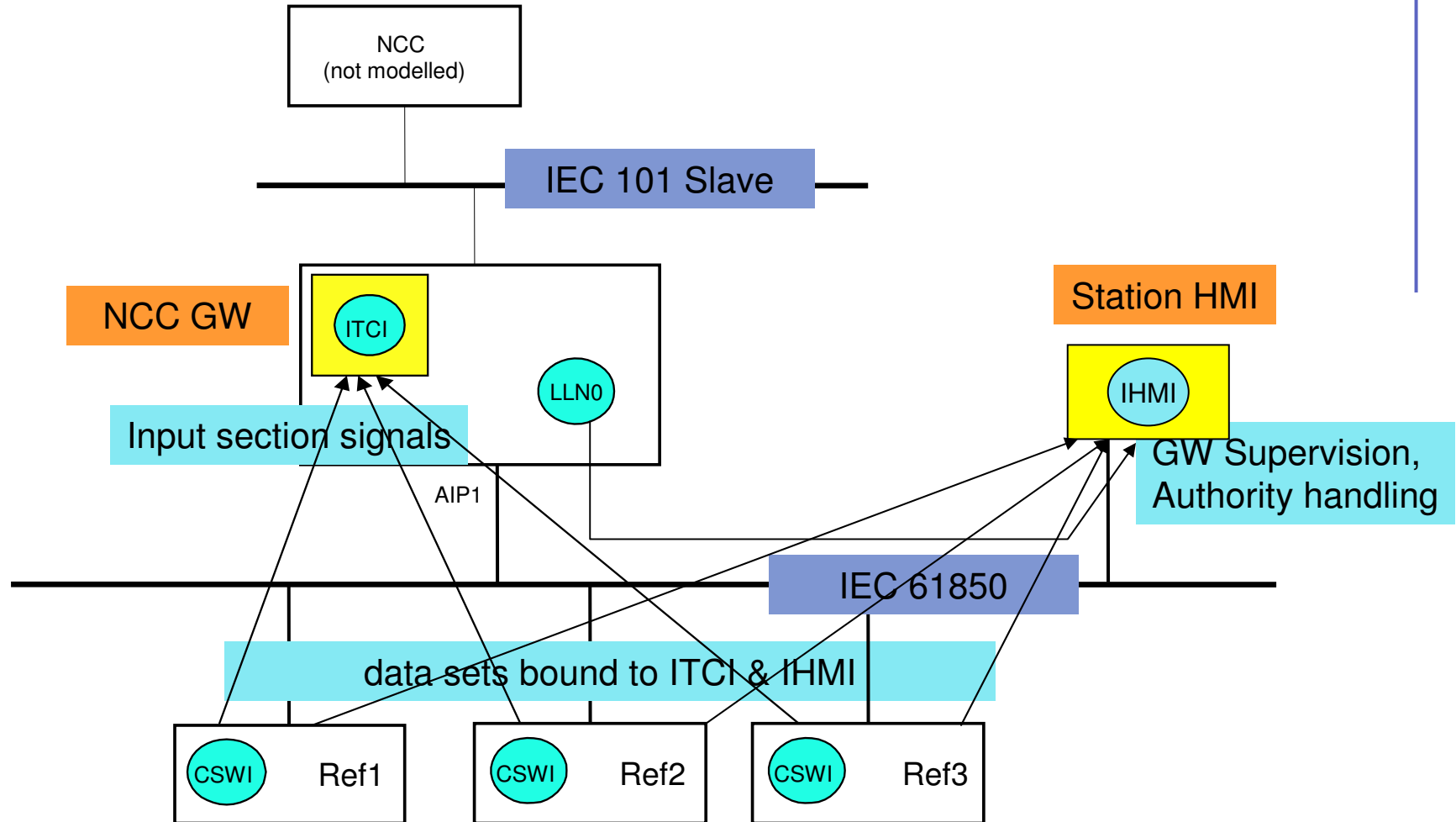


Access hierarchy

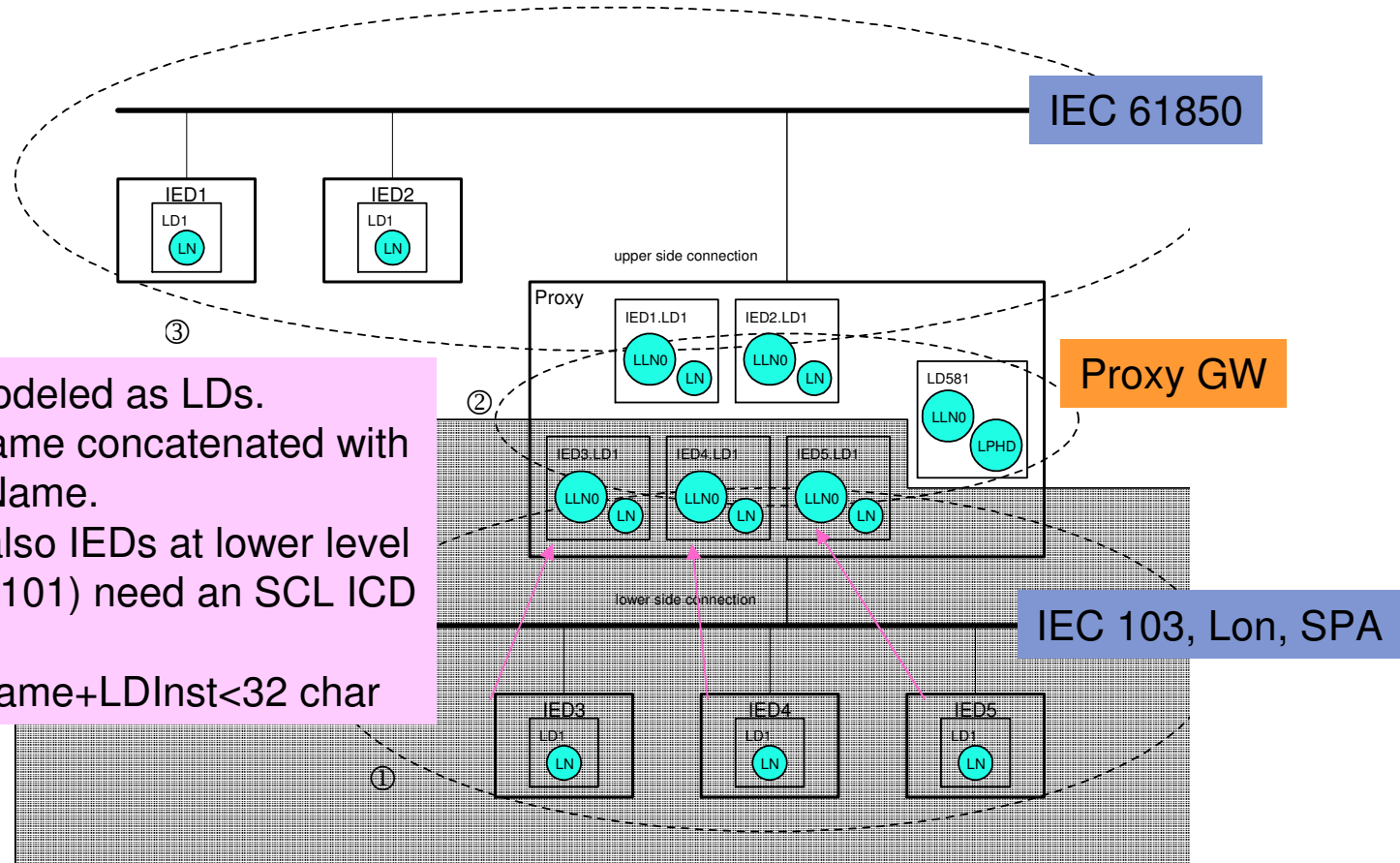
Command contains **orCat**: *process, bay, station, NCC, automatics*
 GOOSE requests are evaluated individually



Gateway from IEC 61850 to NCC



Gateway as Proxy to IEC 61850



IED LDs are modeled as LDs.
Name is IED name concatenated with lower level LDName.
Prerequisite: also IEDs at lower level Bus (Lon, 103, 101) need an SCL ICD File!
Caution: IEDName+LDInst<32 char