Common Applications
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LN Common Software Overview

Applications
- lmana
- ila
- lsams
- loss, lics, ...

Services
- llogs
- lcfgs
- lipss

ApplicationCore
- lcoma

Libraries
- ltimel
- llogl
- lerrl
- lcfgl
- lipcl
- lastrol

3rdParty
- DevTools
- Ice
- OT

Base Tools
- bau
Icoma - Overview

- Config System
- Event System
- Service Helper
- Logging System
- State Machine
Icoma - Logging System

• Logger Service Interface
  – Polling
  – Monitoring
• Filter by logging level
• Store & Forward
Alarm system

- Table of caught alarms
- Unacknowledged alarms counter
- Action buttons
- Status report area

![Alarm system interface](image)
Icoma – Config System

- Common file format (syntax).
- Config Interface
  - Polling
  - Monitoring

```plaintext
# some comment
DCS.VERSION = 0.9
DCS.MOT1.DESCR = "DCS Derotator"
DCS.MOT1.SPEED = 124.7
DCS.MOT1.MINPOS = 200.0"
DCS.MOT1.MAXPOS = 15000.0"
```
Icoma – State diagram

- OFFLINE
- STANDBY
- ONLINE
- WORKING